

CENTRAL INTERCEPTOR BULLETIN

Haverstock Road site, Sandringham

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

Milestone Achievement!

Hiwa-i-te-Rangi, our Tunnel Boring Machine (TBM) has officially passed through the 50m deep shaft at the Haverstock Road construction site. This marks the fifth breakthrough out of ten on her journey north.

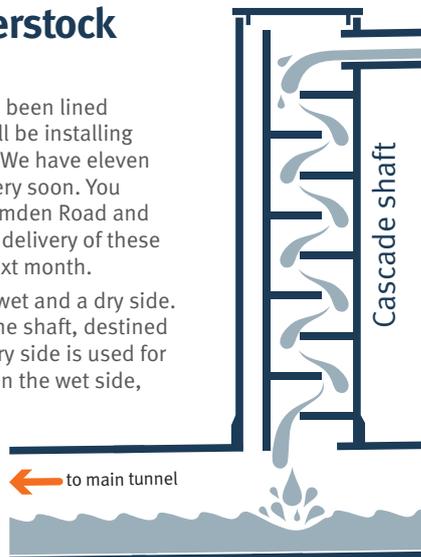
Our TBM crew also passed the 10-kilometre mark on her 14.7km journey. The next goal for the tunnelling team is only 740m away at the Lyon Avenue construction site, at the Roy Clements Treeway in St Lukes.



What's next for Haverstock construction site

The 50m deep shaft at Haverstock has been lined with steel reinforced concrete and we'll be installing the cascade shelves in the shaft next. We have eleven precast cascade shelves due for delivery soon. You may notice an increase in traffic on Camden Road and Haverstock Road to accommodate the delivery of these oversized cascade shelves over the next month.

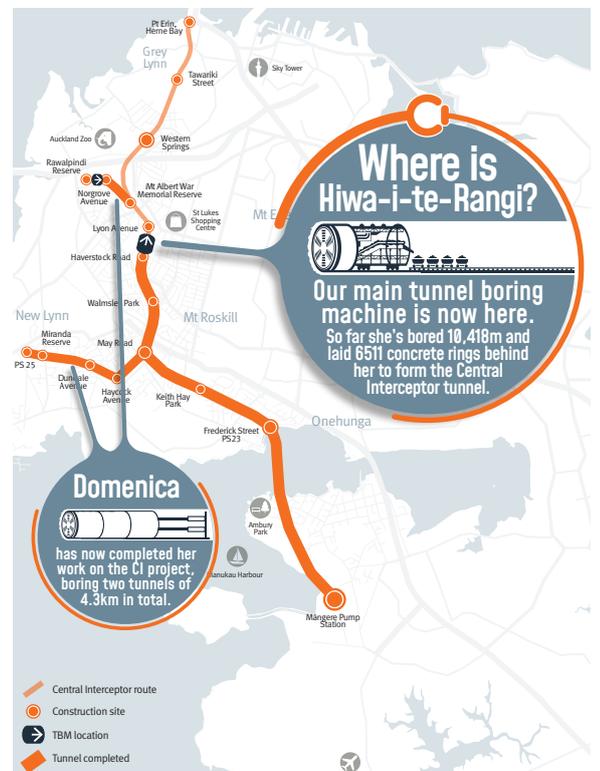
The shaft is made up of two halves, a wet and a dry side. Wastewater goes into the wet half of the shaft, destined for the Central Interceptor, while the dry side is used for access for maintenance and repairs. On the wet side, there are a series of shelves, called cascades, that are built into the shaft walls. These shelves help control the flow and energy of the wastewater as it drops into the tunnel below.



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



The next six months

As we are at the peak of construction activities this year, our team is hard at work constructing the manhole control chamber, located in the middle of the site, adjoining the shaft. We are installing sheet piles to form the chamber. Sheet piles are large metal sheets that are vibrated/pushed into the ground to form a retaining wall around the area, so we can then safely excavate the chamber.

A control chamber is an underground concrete structure which contains large gates to control wastewater flows entering the Central Interceptor Tunnel from the existing wastewater networks.



As you may be aware, our Haverstock construction site is primarily located on Plant & Food Research land. The Ministry for Primary Industries (MPI) is planning to develop a new Plant Health and Environment Laboratory adjoining our site. We will be working with Southbase Construction who will be undertaking the site preparation works to mitigate any impact our construction may have on you.

If you would like to know more about what they are doing, please contact phelbuild@mpi.govt.nz or phone 0800 00 83 83.

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)**

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Who it takes to build the Central Interceptor

The Central Interceptor project stretches across 17 sites from Māngere to Grey Lynn. 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.

Quality Engineer

What is a quality engineer?

A quality engineer monitors and tests the quality of the products, materials and processes on the project. They ensure that all the documentation and works carried out are compliant with the project's contract, drawings, specifications, standards and procedures. They essentially ensure that everything on site is carried out according to plan.

What qualifications do you need for this role?

A degree in engineering and construction experience.

What are some of the daily activities of a quality engineer?

Our quality engineers have many responsibilities on the Central Interceptor project. They review documentation, provide support to the construction team, analyse specifications, study construction drawings, carry out audits and address any non-conformances with the site teams and conduct inspections on materials used on site. Just to name a few!

What are the challenges of this role?

Most of our sites on the CI project share similar construction requirements, such as shafts, chambers, manholes and sewer and stormwater connections. This means that lessons learned from one site can be applied to the others. There are occasions on the project when the quality of a component may not be up to the required standard and it is the quality engineer who will lead the investigation and ensure the issue is resolved before the work can continue.

Whilst they can be challenging to overcome, these incidents are opportunities to learn and grow from mistakes. They help raise awareness among teams at other sites about potential quality issues and provide insights on how to prevent them in the future.

Is there anything about this role that would surprise people?

You might be surprised to know the history of quality assurance starts in World War II, when ammunition had to be tested for performance. Nowadays, the end purpose of QA is to correct potential errors before they affect a project or product.



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