

CENTRAL INTERCEPTOR BULLETIN

Tawariki Street site, 42 - 48 Tawariki St, Grey Lynn

Site update

Work at our construction site at Tawariki Street has been progressing well. Following the site establishment, the team is currently completing the secant bored piling for the shaft and chambers. The large drill rig you can see is used for the secant bored piling. A secant piled wall is a retaining wall constructed for ground retention prior to shaft and chamber excavation, protecting the shaft and chambers from flooding and preventing the dirt from caving in while we dig down.

Secant bored piling for the shaft and one chamber has been completed and the team is now moving to complete the last diversion chamber. This chamber is partially situated in the roadway at the end of Tawariki Street. The piling activity is due to be completed towards the end of November 2023.

What's next?

We need to adjust the fencing around the southern section of the site to allow space for the piling rig to safely manoeuvre and access existing Watercare assets. In December the shaft and tunnelling crew will move to the site to begin preparing the site for shaft excavation.

Watercare has purchased 38 and 40 Tawariki Street, to give us more space for storing materials and parking and hopefully reduce our impact on our close neighbours. The two properties are scheduled to be removed in November, with vegetation removal occurring throughout October and November.

What we do

We carry out regular noise and vibration monitoring to ensure we are compliant with Auckland Council's limits. It is likely that there may be an increase in noise and vibration when our equipment is closer to your home. Noise and vibration are felt differently by everyone as it depends on whether you work from home during the day, what glazing you have and your house foundations.



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.





Electric trucks

The Central Interceptor project is constantly looking for new ways to improve sustainability in all aspects of construction. So, we're charging ahead, making our heavy vehicle fleet greener with three electric tipper trucks.

The vehicles have a 13-tonne load carrying capacity and weigh 26,000kg when fully loaded. They will transport more than 66,000 tonnes of spoil from Central Interceptor sites throughout the project. This will reduce project emissions by more than 300 tonnes in total. This is the equivalent of driving from Cape Reinga to Bluff more than 800 times.



E-trucks produce 79% less carbon than diesel trucks. For every 100,000km travelled by our trucks, we will save 50,000 litres of diesel. Not only are E-trucks more efficient but they are also much quieter than diesel trucks. This is a huge bonus as many of our sites are in residential areas.

Any questions?

For up to date information please see our website:

www.centralinterceptor.co.nz

You can also email us at:

ciproject@gajv.com

Or phone:

0800 GAJV 02 (0800425802)

Follow us:

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Who it takes to build the Central Interceptor

The Central Interceptor project stretches across 16 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.

Technical Engineer

What is a technical engineer?

A technical engineer is responsible for coordinating and managing the completion and delivery of designs that are required for the lifetime of a construction project.

What are the daily activities of this role?

The designs need to be completed on time and need to take into consideration a wide array of factors such as constructability, cost, geology and other site constraints to name a few. A typical day includes liaising with the construction team, the client, subcontractors and CAD drafters in order to facilitate a smooth design process and to produce coordinated design that works and satisfies the needs of all parties. Design changes and technical queries are also managed by the technical engineer.

What qualifications do you need?

A Bachelor of Engineering (Honours) degree.

What is one of the challenges of being a technical engineer on the project?

Due to the size of this project and having all 16 sites open now, it can mean juggling up to 20 different designs in parallel, all of which will be at different stages of design, with different complexities of their own and competing demands.

Is there anything about the job that might surprise people?

Construction is such a dynamic and fast-paced environment, so sometimes you turn up to work and end up doing something completely different than what you had planned due to urgent and unforeseen work that comes your way.



Joey Tong, Assistant Design Manager for CI project

TELL US HOW YOU REALLY FEEL

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



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