

CENTRAL INTERCEPTOR BULLETIN

Māngere Pump Station site, Greenwood Road, Māngere

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

Site update

A lot is going on at MPS now and it's a very exciting time. Across CI, we currently have several project works requiring suspending wastewater interceptors in mid-air, and MPS is no exception.



To complete the Emergency Pressure Relief (EPR) and manhole MH01B works, the Western Interceptor needs to be suspended as shown above. This is the longest suspension of the interceptor we have done to date so everyone is keeping a very close eye on it so it doesn't get damaged. This suspension work was carried out to enable us to build the EPR. This comprises of four large culvert sections beneath the interceptor to connect the inlet shaft to the Manukau Harbour. The EPR is the failsafe mechanism should the tunnel ever be inundated with sustained flows greater than the 7.8m³/s pump station can manage.

In addition to this work, the MPS wet well work is in progress, with the concreting completed. The wet well collects wastewater that flows down the tunnel through to the inlet shaft. Here, six large pumps draw the wastewater from the well and pump it into the treatment plant. Meanwhile, the wet well roof temporary works are being completed and the dry well stairs have been installed up to the building floor. We've made good progress but with lots to do before the southern section of the tunnel commissioning at the end of the year, the site isn't slowing down.

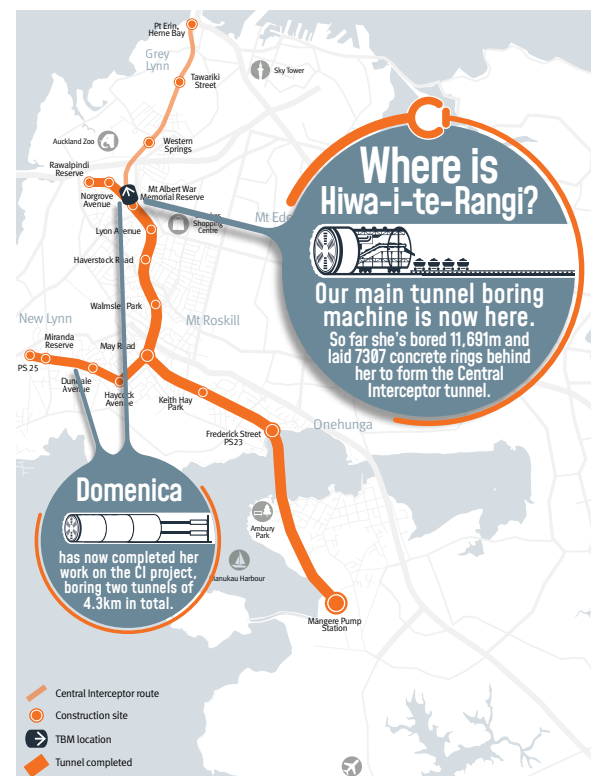
MPS is in the process of having a face lift and getting rid of all the legacy concrete onsite in preparation for reinstatement. Removing all that concrete was no small feat. In other news, we've had our gantry crane delivered to site and the electrical team is making good progress on providing the power needed for the six large pumps in the wet well.

Soon the EPR will be built under the Western Interceptor, the odour bed will be taking shape, and the building will be getting covered in roof sheeting. Exciting times ahead as we get closer and closer to commissioning.

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.



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Night works notification

It is a key goal of CI to commission the southern section of the tunnel by year end. To do so, we need to carry out some inlet shaft works outside of existing working hours. The works will be within our Council consent conditions and although not continuous, they will continue for the remainder of the year.

Key CI infrastructure: confluence chamber

Tunnelling takes a lot of the limelight on the Central Interceptor project but some of the most vital and complex work is taking place above ground.

CI is building a new confluence chamber at the Māngere Wastewater Treatment Plant. This is a large concrete box that will hold wastewater flows from three existing interceptors (Western, South-western and Eastern) and the new Central Interceptor before wastewater flows into the plant.

Planning for the chamber's construction has taken almost three years. Much of the complexity is because it is not possible to isolate the flow from those three interceptors, which can total up to 13 cubic metres per second in wet weather.

One of the most challenging aspects of the project was installing a diversion chamber to house the Western Interceptor flows while working on the confluence chamber. The team built a box to suspend the Eastern and South-western interceptors in midair while they did the concrete work around them.

Building the chamber will provide other improvement opportunities, such as installing gates on the interceptors so they can be isolated in future for maintenance. The confluence chamber is planned to be finished by the end of this year when the southern section of the CI main tunnel is expected to go live.



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 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: Māngere site bulletin" to ciproject@water.co.nz