

CENTRAL INTERCEPTOR BULLETIN

Miranda Reserve and PS25 sites

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

PS25 site update

Pump Station 25 is the fourth and final site along Link Sewer C tunnel which runs from May Road to Miranda Reserve. At our Pump Station 25 (PS25) site, off Miranda Street, we are building two main structures – a diversion chamber and a shaft. This will help us take wastewater flows from West Auckland and divert them into the Link Sewer which in turn feeds into the main Central Interceptor tunnel.

In the past few months, we've identified and diverted several wastewater and stormwater pipes to prepare and clear space for the temporary works constructing the diversion chamber and shaft. In the coming weeks, we will start excavating the 13m deep shaft which will receive the micro Tunnel Boring Machine (mTBM). We're planning for the mTBM to reach PS25 in the first quarter of 2023. Domenica, the mTBM, will be tunnelling 330 metres to PS25 from the nearby Miranda Reserve site on Blockhouse Bay Road.



Miranda Reserve site update

It has been an interesting year so far for our Miranda Reserve site. We started the year with a dawn blessing as we started to dig our 16metre deep shaft. We hope to close the year with the arrival of Domenica, our micro Tunnel Boring Machine, when she completes her third drive from our Dundale Avenue site to Miranda Reserve. When she arrives, the 90 tonne mTBM will be lifted out of the shaft and serviced before she is lowered back into the shaft for her final drive to Pump Station 25.



At nearly 1200 metres, drive three from Dundale to Miranda will be one of the longest pipe-jacked tunnels in New Zealand history. Originally there was another shaft planned for Whitney Street but the impact on local residents and businesses was going to be very disruptive. With careful planning this site was removed from the project. It means local residents didn't have to put up with nearly two and a half years of closed roads.

The fourth drive, tunnelling to Pump Station 25, will start in the new year. You will notice an increase in the number of trucks coming to site. The pipe segments are delivered before being lowered into the shaft and pipe jacked into place, forming the lining of the tunnel. There will also be more trucks removing spoil from the tunnel. Spoil is the rocks and soil from tunnel excavation. Traffic control will be in place to keep both our workers and the public safe.



Miranda Reserve shaft

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.



Our people

As you may know, 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. We have incredible people with different skills, backgrounds, experience and qualifications. In this regular feature we're going to find out a little about some of them. It's a great way to get to know your neighbours.



Name: Jess Griffiths

Background: I am a West Coast native, born and raised in Westport. I have a bachelors degree in ecology and marine biology and a postgraduate diploma in environmental science. I've worked in civil construction for 4 years, and spent a year in mining/quarrying.



Role on project and what it involves: I'm an environmental advisor, which involves making sure our construction activities don't harm our environment. This includes inspecting the sites, monitoring noise and vibration, and lots of paperwork for our resource consents and other management requirements.

Previous Jobs: I've done all sorts! I was a youth advisor for the Ministry of Social Development for a while at high school, advising on funding for anti-bullying projects around the country. I was a commercial beekeeper for two years, running 3,500 hives across the top of the North Island. I've also developed, implemented, and maintained the health, safety, and environmental management systems for a gold mining operation – this was my favourite, because I was driving 40 tonne articulated dump trucks full of gold wash!

Most memorable work moment: Probably the first time I went down the shaft at our Māngere Pump Station site, and understood the scale of the job we're doing. It's great to see the work from the surface, but you don't truly appreciate it until you actually go underground and stand on the TBM.

Outside of work: I love spending time with family and getting outdoors. I enjoy the gym and hiking, and am looking forward to doing some overnight hikes once the weather warms up again!

Any questions?

For up to date information please see our website:

www.centralinterceptor.co.nz

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