

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.

Update on construction at May Road site

Two down, two to go as our micro-Tunnel Boring Machine (mTBM), *Domenica*, has finished her second drive on Link Sewer C. Link Sewer C is an offshoot from the main Central Interceptor tunnel and starts from our May Road site.

Domenica always returns to home base at May Road to be serviced and cleaned before she starts tunnelling. She's just started the longest of her drives, 1195m, from Dundale Avenue to Miranda Reserve on Blockhouse Bay Road.

The team at May Road has been working hard on finishing both shafts at this site, Shafts A and B. Both shafts were completed on or ahead of schedule. At 73.2m below ground level Shaft B is the deepest open excavation shaft on the Central Interceptor. The shaft is supported using secant bored piles, mesh, dowels and shotcrete at various depths. It will be the main shaft for the TBM operations once it reaches May Road.

Excavation of Shaft A was completed at the end of July. The mTBM was launched when the shaft was 55 metres deep. This shaft is 72 metres deep.

Our next focus will be on the stage 2 development of the site where we work on getting ready for the TBM arrival in the third quarter of 2023. There is still some time to go but there is a lot of preparation needed before this can happen.



Proud team - completing the job ahead of schedule

The concrete pour

No sooner had the team finished excavating Shaft B than it was time to plan for a huge concrete pour to form the base slab. The 2.3m thick base slab forms the foundation of the shaft and protects it from water ingress.

Three shifts of 15 people each worked non-stop in rain and sunshine for 25 hours to finish the job. Fifty-five truckloads of concrete were delivered to site. The concrete goes through a rigorous quality testing process throughout the pour. Throughout the work we monitored our impact on the community, especially from the noise, to identify any improvements for future construction.

Ka pai team!



Skink rehoming

We're expanding our May Road site to create a new storm water retention area. Our May Road site is on the flood plain and when it rains lots of water has to pass through the site. The new area will be able to store any excess stormwater before it then flows back into the surrounding streams and is sized to ensure that there is no increase in flooding during significant rainfall events.

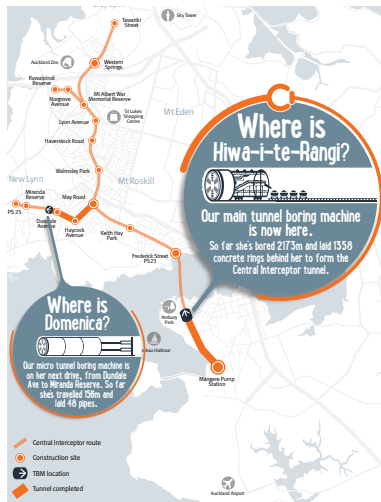
Before we could clear the topsoil and dig out the area we first had to capture and relocate the native skinks in the area. We captured 92 copper skinks and moved them to their new home in nearby Nirvana Reserve. Pest control is in place at Nirvana Reserve to keep this community safe. In 2019, during site establishment, we relocated 75 skinks from May Road.



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: Stephen Green (Greenie)

Position: Shaft Superintendent

Role on sites: Responsible for the planning and excavation of the shafts and temporary works

Background: I was born in Winton in the deep south and grew up in Cromwell where I started my tunnelling career. After 25+ years in tunnel construction I've lived and worked all over the world including, Australia, Canada, India, Hong Kong, Doha, Kuwait as well as here in NZ

Previous jobs:

- Hong Kong high speed rail project
- 7km Drill n Blast rail tunnel, Canada
- 2 x 750m diversion tunnels for Site C dam project, India – Chenani
- Nashiri 10km road tunnel project in Jammu - Kashmir in the lower Himalayan mountains,
- NZ -10km TBM, 2nd Manapouri tailrace tunnel project

Most memorable work moment: Tunnel breakthroughs are always a special part of tunneling no matter which country you are in. The first Hong Kong tunnel breakthrough was a particularly good day as it was achieved with a group of guys that couldn't speak English and I couldn't speak Cantonese so there were lots of challenges along the way.

Outside of work: I enjoy cooking for family and friends and after playing rugby and rugby league for much of my life, I enjoy just watching the games and reminiscing on how it used to be played back in the day!

Any questions?

For up to date information please see our website:

www.centralinterceptor.co.nz

You can also email us at:

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Or phone:

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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