

The Central Interceptor is underway!

Our contractor has now started at Māngere and May Road, with two new sites at Keith Hay Park and Walmsley Park to start early next year.

This also means we have been out in local communities around our sites, talking to neighbours about what is happening. Planning is underway to ensure that while working in very visible and public sites that we minimise effects on park activities.

We have also been meeting with local environment and community groups, engaging with local schools and a successful 'Meet the Contractor' community event at May Road... and it's just the beginning!

We are also thinking about the wider picture of environmental outcomes. We have signed the project up to the sustainability rating tool for the Infrastructure Sustainability Council of Australasia (ISCA) which will measure our decisions on the project.

By signing up we are saying doing this the right way is important to us, and thinking sustainably is ingrained in what we do.

As part of our strategy to reduce wastewater overflows, we have planned an extension of the Central Interceptor tunnel from Western Springs up to Grey Lynn. This will pick up additional local networks that overflow during rainfall due to the combined stormwater and wastewater networks in the area. We have now been granted approval for this work. There is more about this overleaf.

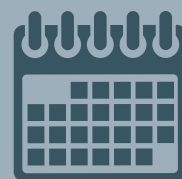
We look forward to continuing how we have started and realising more benefits as the project progresses.



Demolition activities are underway at our Māngere site to prepare it for construction of shafts and pump station.

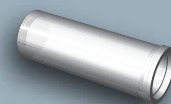
In this issue:

- Construction sites update
- Environment and sustainability
- Meet the team



Project build
2019
to
2025

14.7 kilometres



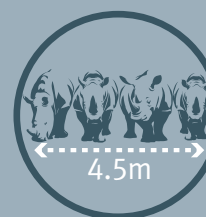
longest
wastewater
tunnel in
NZ



4.5m



high
enough
to fit a
giraffe



4.5m

wide
enough
to fit four
rhino side
by side

Extending the tunnel into Grey Lynn

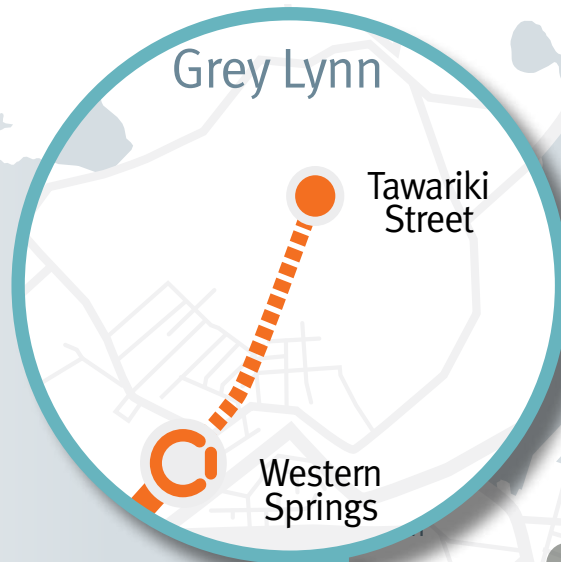
Resource consents have now been granted to extend the Central Interceptor into Grey Lynn. The extension is part of our wider strategy to reduce overflows and improve water quality in Auckland's western isthmus.

Why is it needed?

Many of the sewer systems in this area were built last century when stormwater and wastewater flowed through the same pipes. An increase in population and extreme rain events mean the system is under increasing pressure overflowing into local waterways almost every time it rains. The Central Interceptor will now provide capacity to help reduce overflows while cleaning up our waterways.

Where will the Grey Lynn site be located?

After the tunnelling machine reaches Western Springs it will continue north to a new site at Tawariki Street. Construction on this extension to the Central Interceptor is currently scheduled to start early in 2023. We will work with local residents closer to construction when our contractor will provide more details on the site works.



Construction update

What has been happening?

Our contractor, Ghella Abergeldie, has now started work at CI's first two sites, Māngere Pump Station and May Road. We have built access roads and earth works in order to create the platform for construction of the shafts and other structures. When we set up a site, we always ensure the work area is secure. Fence hoardings at Māngere feature messages from the local community.

What's next?

Once the platform is created we start building the shafts. Construction of the shaft walls will include digging the wall lining then filling it with concrete. There will be an increase in activities during this time including truck movements.

Early next year, two more sites will be established: at Keith Hay Park in January and Walmsley Park in March. As we become more active on these sites, we will provide opportunities to engage with our team and keep you informed of what's happening during construction.



- Construction started
- Next sites to start
- Central Interceptor
- Main construction site
- Construction site

We encourage you to sign up to our site bulletins so you know what's happening throughout the project – go to www.centralinterceptor.co.nz to sign up.



Looking out for the little critters...

Before we cleared the vegetation on Roy Clements Treeway (at the Lyon Ave site), we undertook an ecological survey of the area. While doing so, a copper skink was found and rescued. We then moved it to a new home within the Treeway on 30 September, and invited along pupils from a local school, Te Kura Kaupapa Māori o Ngā Maungarongo, to help with the relocation.

Enhancing the environment of Meola Creek

Several of the Central Interceptor construction sites will be along the Meola Creek, known to local Māori as Waititiko.

To ensure the environment along the waterway is preserved and improved, Watercare has prepared the 'Waititiko-Meola Creek Enhancement Plan'. It sets out activities that will mitigate the loss of vegetation and habitat. It covers areas around Roy Clements Treeway, Norwood Reserve rock forest, Mt Albert Grammar School farm and Te Kura Kaupapa tributary stream.

To make sure the plan took in local knowledge and ideas, we consulted with a range of stakeholders. These included Auckland Council parks staff, the local board, mana whenua, schools and community and environmental groups.

As the plan rolls out, we continue to engage with local stakeholders via the Meola Creek Community Liaison Group (CLG). Meetings are open to anyone to attend and contribute; minutes of past meetings are here: <https://www.watercare.co.nz/About-us/Central-interceptor/Community-events>

We will keep you updated on more environmental and sustainability activities in future newsletters.

Sustainability: at the core of the Central Interceptor

The Central Interceptor will improve on the health and wellbeing of all Aucklanders. As we build it, we (Watercare and our contractor, Ghella Abergeldie Joint Venture) are committed to working in sustainable ways.

In every decision we make, sustainability is front of mind. This is not just the environment and financial effects, but the social and cultural aspects too. We want to reduce the impact our construction has on the community.

To help us, we have adopted a framework from the Infrastructure Sustainability Council of Australia (ISCA). Their rating tool will help us track our progress against best practices used around the world.

For example, during the design phase, we actively planned how to reduce our energy consumption and the amount of construction material. During planning, we have been able to reduce the number and size of our construction sites. This means we will reduce the building materials, waste, greenhouse gas emissions and water usage. It will also reduce the disruption to local communities as we build the CI.

Our future commitments include planting twice as many trees as we remove in parks and reserves. We are also focussing on the tunnel's operational life as we plan for it to last for the next 100 years.

The decisions we make now on more sustainable design and construction will have impacts for decades to come.

Who's building the Central Interceptor?

In the project office there's a world map which has markers of our team members' home country. Two of them point to France.

Marie Bonnaud and her partner, Antoine Foulon, work on the project. As a civil engineer, Antoine was quickly snapped up by Watercare in mid-2018. He is now a CI site engineer for permanent surface works, shaft construction and pipejacking, with prime responsibility for our May Road site.

Marie, who is also a trained engineer, has a natural love for the environment. She works as part of the environmental and community outcomes team. Her job is environmental compliance and Resource Management Act issues, and getting better environmental outcomes for the project. This includes working with our contractor to develop habitat restoration plans for our project sites at the end of construction.

Marie and Antoine arrived in New Zealand in 2017, having sold up in France to travel the world and work as 'volun-tourists'. After travelling through Thailand and Australia,

they wanted to finish their travels by visiting and working in an English-speaking country with a good environmental focus and friendly people.

Both Marie and Antoine are very handy and practical, with the latter having built his own home in Paris. Through the Charity Help Exchange website, they lived with and helped a local family in Christchurch to restore their earthquake-damaged home for three months. They enjoyed being immersed with the family and learning more about Kiwi culture.

After travelling the beautiful NZ countryside, hiking, cycling and para-gliding, they settled in the Waitakeres, where they again lived with a local family. They wanted to stay longer in NZ, so decided to look for jobs in their chosen professions. Marie and Antoine have now settled in Mt Roskill, close to the CI office at Eden Park.

They love the outdoors (they met at a holiday camp in the south of France). They are making the most out of NZ lifestyle and enjoy



Antoine and Marie preparing to go sailing on the harbour

biking, sailing and being involved with tree planting their local communities. They are very happy to have now cut their commuting time drastically which gives them more time for outdoor activities. They much prefer being out on a boat on the Manukau Harbour to sitting in traffic in Paris!

Introducing our Executive Programme Director, Shayne Cunis

Shayne is responsible for the procurement and delivery of the Central Interceptor. He draws on his more than 20 years' experience in the water industry and his civil engineering degree to manage the technical aspects of the project. He is accountable for the safety, collaborating with mana whenua, risk, financial, stakeholder, environmental and sustainability outcomes for the project.

Outside of this busy role, Shayne is a keen Ironman competitor, following his sister's example and in response to being diagnosed with Type 1 diabetes in 2012. Over 12 months in 2017-18, he went from not owning a bike, only being able to run 4 kilometres or swim 50 metres before taking a rest, to completing Ironman NZ. Since then, he has competed in three more Ironmen, two of them in USA. He says he has never felt fitter and this makes him more effective at work.

In addition to his day job, Shayne has served on the board of Water New Zealand and the Water Environment & Refuse Foundation; he is currently on The US Water Research Foundation. He is also a Fellow of Engineering New Zealand.

Shayne aims to leave the best possible legacy we can for the people of Auckland. He sees his role as a privilege and every day excites and challenges him.

Shayne is training hard for his next Ironman this coming 1st December in Western Australia

