

CENTRAL INTERCEPTOR BULLETIN

Dundale Avenue site

Road berm, 68-78 Dundale Avenue, Blockhouse Bay

Dundale Avenue construction site update

Behind the noise fence, our crews are getting on with preparing the shaft for excavation. We have finished drilling 74 secant piles which are used to construct the walls of the shaft. Each pile is drilled and then filled with concrete and steel. With the piling done we are working on creating the ring beam which connects the piles together and forms a stable platform for our excavator.

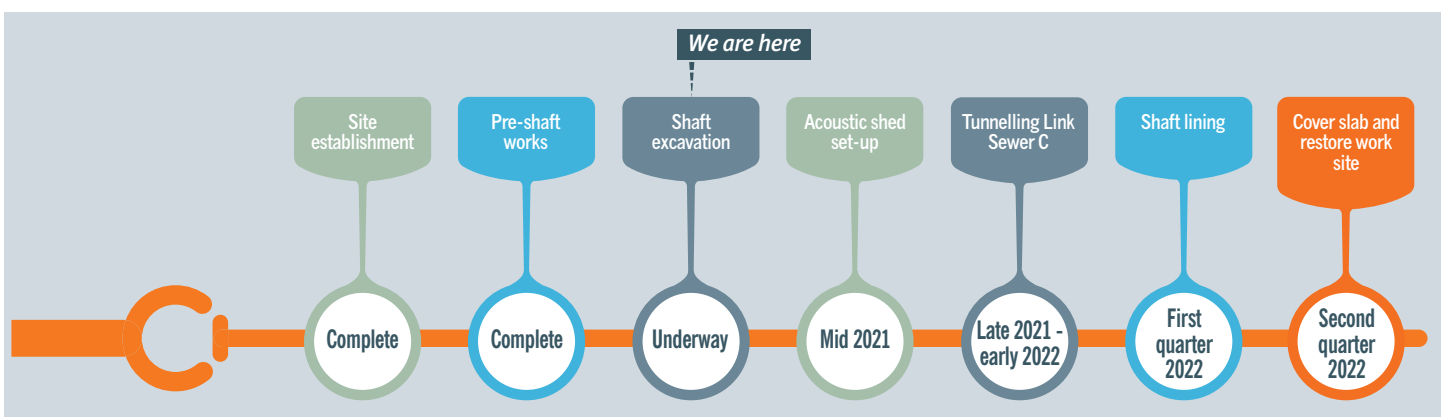
The next step is to excavate the shaft to a depth of 26m and set up monitoring devices before lining the shaft. An acoustic shed will be installed after this and the site will be ready for the micro Tunnel Boring Machine (mTBM). Once we start underground tunnelling we're able to work 24 hours a day for six days (24/6). The acoustic shed contains noise allowing us to carry out 24hr pipejacking operations without disturbing the neighbourhood. There will not be truck movements outside our normal working hours and all Auckland Council regulations will be maintained.

The Dundale site is a launch site for the mTBM to tunnel to our Haycock Avenue and Whitney Street construction sites. The 2.5m diameter mTBM arrived in Auckland at the end of January and we are working to set this up to begin boring Link Sewer C. Our Dundale Avenue site is one of five sites on Link Sewer C, an offshoot from the main CI tunnel.

The Dundale site timeline has changed due to COVID-19 delays in materials and some specialist staff arriving from overseas. With several sites now in varying stages of construction, we will be rotating personnel and equipment across our sites. We are doing this to make sure critical activities across all sites are completed in time for tunnelling operations. This means over the next few months you may notice times when the site is not as active as it has been. Thank you for your understanding and patience while we complete this essential project. The overall Central Interceptor Project completion date of 2025 remains the same.



A bird's eye view of the Dundale site.



Environmental update

As part of our site establishment last year we relocated three Puriri trees. The three trees were located inside our construction site, so we relocated them about 10 metres east of the site, next to the new driveway to the Kindy and Church. It was quite an operation to get these three trees moved – first, channels were dug around the trees keeping the root system and soil intact and then we wrapped them in cloth and polythene to keep them moist. Using a strong wire, we sliced underneath the roots so they could be lifted by crane into their new spot.

Our Environmental team put together a programme of watering and fertilising and weekly inspections. Unfortunately, the soil conditions in their original location were very poor and one of the trees isn't doing so well. We're not giving up though; Environmental Graduate Ryan Adam is keeping an eagle eye on the tree and making sure we do everything we can to save it.

Looking after the trees is just one of many activities for our Environmental team. Other jobs include monitoring and protecting water, making sure the water and soil we remove from the ground isn't contaminated by our activities, and monitoring noise and vibration to ensure we keep to our permitted levels. This team also spends a good deal of time educating our ground staff to make sure we do the right things and look after the environment.



Moving the trees was a big operation.



The Puriri trees standing tall in their new location.

Any questions?

For up to date information please see our website:

 www.centralinterceptor.co.nz

You can also email us at:

 ciproject@water.co.nz

Or phone:

 0800 GAJV 02 (0800425802)

[www.centralinterceptor.co.nz]

Our people

Introducing one of our incredible engineers responsible for pre-excavation works. With excavation starting May moves to another CI site to start site establishment activities all over again.

Name: Mayada Al-Ethary

Position: Site Engineer

Role on site: To ensure scope of works is delivered safely and built as per the drawings and specifications.

Background: I am originally from Iraq but grew up in Central Auckland.

Previous jobs: Site engineer for City Rail Link

Most memorable work moment: Recently completing the piling works before the Christmas break. We were on a tight schedule to complete them as we cannot stop until they are done. This is part of the challenge of secant piling.

Outside of work: I enjoy spending time with family and friends, exploring new hiking places. I also like to read when I have some time, not always easy with a busy toddler.



Kindy visit

We visited our neighbours at the Blockhouse Bay Christian Kindergarten in December to talk about safety around worksites and why we wear PPE (Personal Protection Equipment). The kids had great fun trying on the PPE and we left a couple of sets for the dress up box. The Church and Kindy are both still open and we've put in a new driveway next to our site to get to them. Our neighbours are very special and we recognise how much our work disrupts them so we try to support them as much as we can.



Future engineers trying on the safety gear.



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