

CENTRAL INTERCEPTOR BULLETIN

Dundale Avenue/Whitney Street sites Special edition

Update on Dundale Avenue works

As you may know the Central Interceptor Project, being built from Māngere Waste Treatment Plant to Grey Lynn, is well underway. Link Sewer C, an offshoot from the main CI tunnel running from May Road in Mount Roskill to the Pump Station in Miranda Reserve, originally had five sites planned. These were Haycock Avenue, Dundale Avenue, Miranda Reserve, PS25 in Miranda Reserve and Whitney Street.

Our Whitney Street site, with a 30m deep shaft situated in the road reserve adjacent to 120-124 Whitney Street, was always going to be a challenging site with full road closures and bus route detours planned for at least 18 months.

Because of the issues with that site, our engineers have spent months working with Worksafe to come up with alternatives. We have now successfully rerouted this section of the tunnel, removing the need for a site at Whitney Street. Instead of two shorter, straighter drives, the micro Tunnel Boring Machine (mTBM) will

complete a longer, slightly curved drive from Dundale Avenue directly to our Miranda Reserve site on Blockhouse Bay Road.

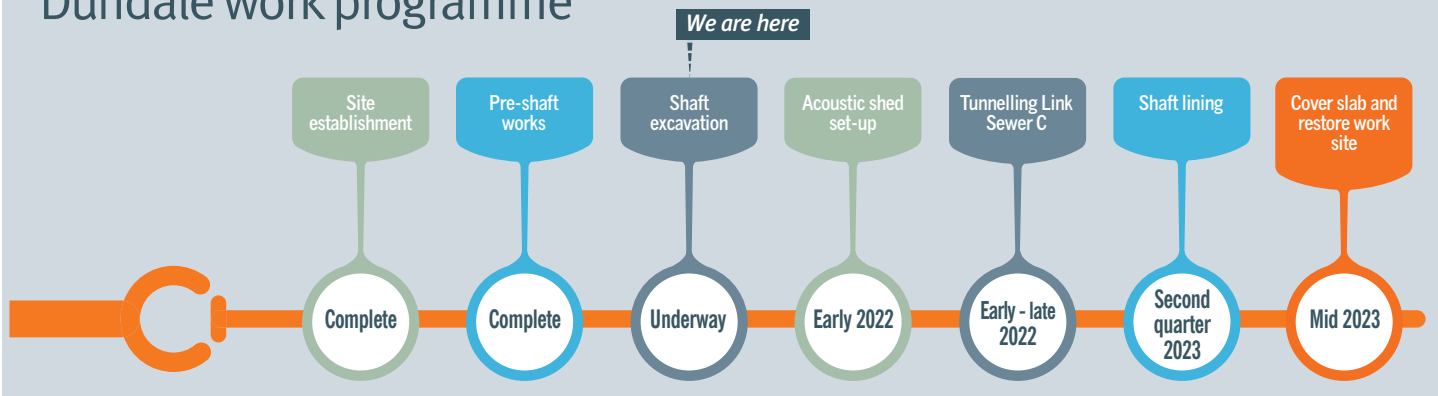
While this is good news for Whitney Street residents, cyclists and motorists, unfortunately for our Dundale Avenue neighbours it means this site will remain operational for longer. As the mTBM tunnels to the Miranda Reserve site the excavated spoil needs to be transported via locomotive right back to our Dundale shaft where it is removed and transported from site. With a longer drive it will take longer to complete the tunnelling and spoil removal, leaving the Dundale site open for longer. See the updated timeline overleaf.

We know that our construction work can be very disruptive and appreciate the patience and goodwill from our neighbours on Dundale Avenue as we carry out this important work. The new Central Interceptor tunnel will significantly reduce wastewater overflows across Tāmaki Makarau, helping to clean up the waterways for everyone living here.



This photo shows the lowering of the first jacking pipe into our 55m deep shaft at May Road - another key milestone for the Central Interceptor project. The first pipe contains specialised equipment like our water cooling safety system. These pipes are lined with a 2.5mm thick layer of high-density polyethylene (HDPE). The HDPE layer protects the pipes from corrosion. In total 1097 pipes will be used to form the Link Sewer C tunnel running between May Road and Miranda Reserve.

Dundale work programme



Our construction teams are all working within the rules for the current Covid-19 Level. All our sites have additional health and safety measures in place. These include assessing our team's fitness, well-being and safety before starting work, ensuring only relevant staff are on site, ramping up our cleaning and disinfecting practices and making sure we social distance and stick to our bubbles.

Meet Domenica the micro Tunnel Boring Machine

Made in Germany and refurbished in Thailand, the mTBM was named after the mother and the wife of Ghella's founder, both of whom were called Domenica. Ghella is the Italian arm of our Ghella Abergeldie Joint Venture. The Joint Venture came together in 2018 and is the company building the Central Interceptor for Watercare. Tunnel boring machines are traditionally named after females to honour Santa Barbara the patron saint of tunnellers and people working underground.



Stats for Domenica

Size	2.56 metres in diameter, 12 metres long
Weighs	79,566 kilograms
Distance covered in 24hrs	Around 10–15m per day, depending on ground conditions

Community Open Day

The Blockhouse Bay Community Church on Dundale Avenue has very kindly offered its parking lot for a community open day in November for anyone who would like to learn more about the Central Interceptor and our work at Dundale and in the area. Our new state-of-the-art mobile visitor centre will be on location to showcase how we're building the Central Interceptor. It features a virtual reality ride, touch-screen games and augmented reality experiences, all hosted by loveable Wai Mā, the long-fin eel/tuna. Our engineers and other staff will be on-hand to answer any questions you may have. Keep an eye on your letterbox for an invitation.

Please join us for a BBQ coming up in November

Keep an eye on your letterbox for details of our Community Day in November. Stop by for a BBQ and to find out more about our Dundale work and the Central Interceptor project.



Community Day can only be held at level 1.

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)



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