

# CENTRAL INTERCEPTOR BULLETIN

May Road site, 54 Roma Road and 105 May Road



*Well done, team!*

## Update on construction at May Road site

Work at the May Road site is gaining momentum and the site has vastly changed since our last bulletin. Preparing May Road for the sinking of two shafts has been the primary focus over the past eight months.

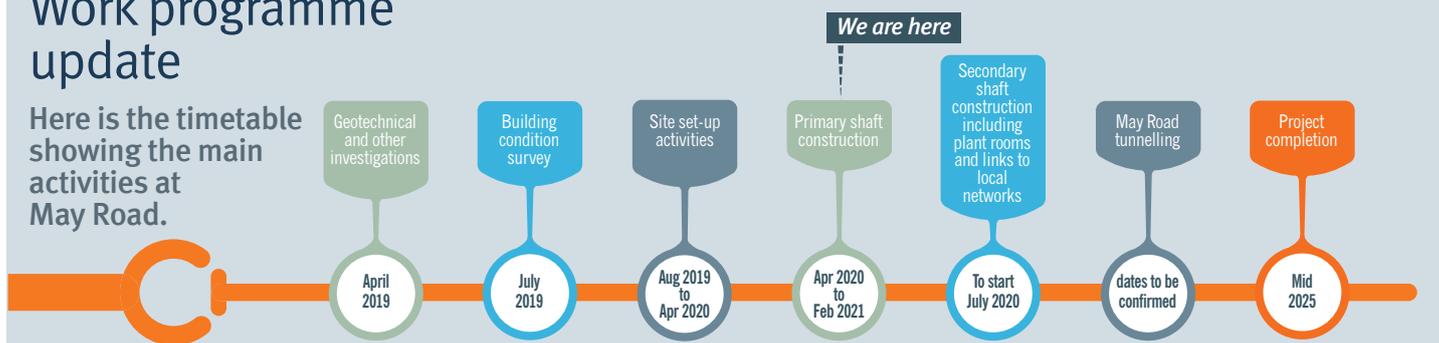
The 3m high hoarding noise wall around the site is now in place to reduce noise for local residents. The piling of the first shaft was completed in June and looks impressive. We used 1200m<sup>3</sup> of concrete to construct the

58 piles around the perimeter of the primary shaft. The piles prevent the shaft wall from collapsing during excavation. It is a significant project milestone paving the way for our team to start shaft excavation in August and you can expect to see more trucks on site.

With a new retaining wall design now approved, work has restarted on the construction of the accessway off Roma Road. This new accessway will enable trucks to safely enter our site from Roma Road and exit via May Road.

### Work programme update

Here is the timetable showing the main activities at May Road.





Claire Conza, founder of Make Give Live, was on hand to hand out the beautiful woolly slippers.

## Our community

As part of being a good neighbour, we have teamed up with Make Give Live. This is a group of knitters who knit winter woollies for sale and gifting to the community. The project team is buying winter beanies and for every beanie bought we are giving away a knitted article.

We have bought 200 beanies and will donate 200 pairs of woollen slippers to our neighbours at May Road School. We were excited to present these at a recent school assembly.

## What is surveying and why do we need it?

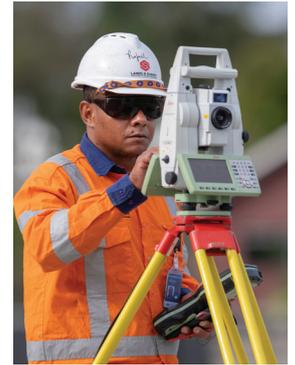
Surveyors can be seen wandering about with their wizard sticks, funny cameras and playing with remote control helicopters. What on Earth could they be doing?

Surveyors use various instruments to determine the relative positions of points on, above and below the earth's surface using direction and bearings, horizontal distance and elevation.

There are many important purposes of surveying on the Central Interceptor. Have you ever wondered how the tunnel boring machine (TBM) will get from Māngere to Grey Lynn, making its way through the centre of 17 shafts within millimetres of the design alignment?

Driving a TBM deep underground is complicated and difficult, like driving a car in complete darkness! Somehow the operator needs to know where the TBM is and steer along a "virtual road" in total darkness. Monitoring and updating the exact location and heading of the TBM and providing direction – that's the surveyor's role! They use high accuracy instruments that measure to less than 1mm. When building such a long tunnel, a millimetre in the wrong direction at the start, could mean we miss the finish line by the end!

The GA-JV survey team members can be seen everywhere on mountain tops, in residents' back yards, on site, down shafts and deep inside the tunnel. Their primary role is precision control survey work above and below the ground and with guiding the direction of tunnel construction. They also assist in geological investigation, powerline clearance measurements, condition surveys on properties and checking on ground settlement in the path of the tunnel drive.



Surveyor Rafael Sousa on site.

## Our people

As you may know, the Central Interceptor project stretches across 17 sites from Māngere to Grey Lynn. Each of these sites has a team of people working there; some will only work on that site while others may be involved across all the project sites. We work with 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. A great way to get to know your neighbours!

**Name:** Mark Tregoweth

**Position:** Supervisor/B grade Tunnel Manager, May Road Site

**Role on site:** I ensure everyone on site stays safe and productive and when the tunnelling starts I will ensure we are compliant with all mining regulations.

**Background:** Born and bred in North Waikato

**Previous jobs:** After completing my trade as a carpenter, I became a third generation underground coal miner. I spent several years moving up the ranks until underground coal mining closed in New Zealand. Following this, I moved into the tunnelling industry in Auckland working on a number of big projects. I started at May Road back when it was a swamp with an exploratory drill rig sitting in the middle of it!

**Most memorable work moment:** My most memorable work memory was being the supervisor on shift the day that production ceased at the last working underground coal mine in NZ, being involved in a piece of history filling those last couple of loads of coal. I have one of the headlights from the machine sitting at home as a souvenir that was removed after I trammed the machine to the scrap metal pile. One day I will tell this story and pass it onto my grandchildren.

**Outside of work:** I hang out with my wife and two young boys or in the great outdoors with mates. I'm a mad keen fisherman and to complete the circle I love to cook, especially low and slow BBQ.



### Any questions?

For up to date information please see our website:

 [www.centralinterceptor.co.nz](http://www.centralinterceptor.co.nz)

You can also email us at:

 [ciproject@water.co.nz](mailto:ciproject@water.co.nz)

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: May Road site bulletin" to [ciproject@water.co.nz](mailto:ciproject@water.co.nz)