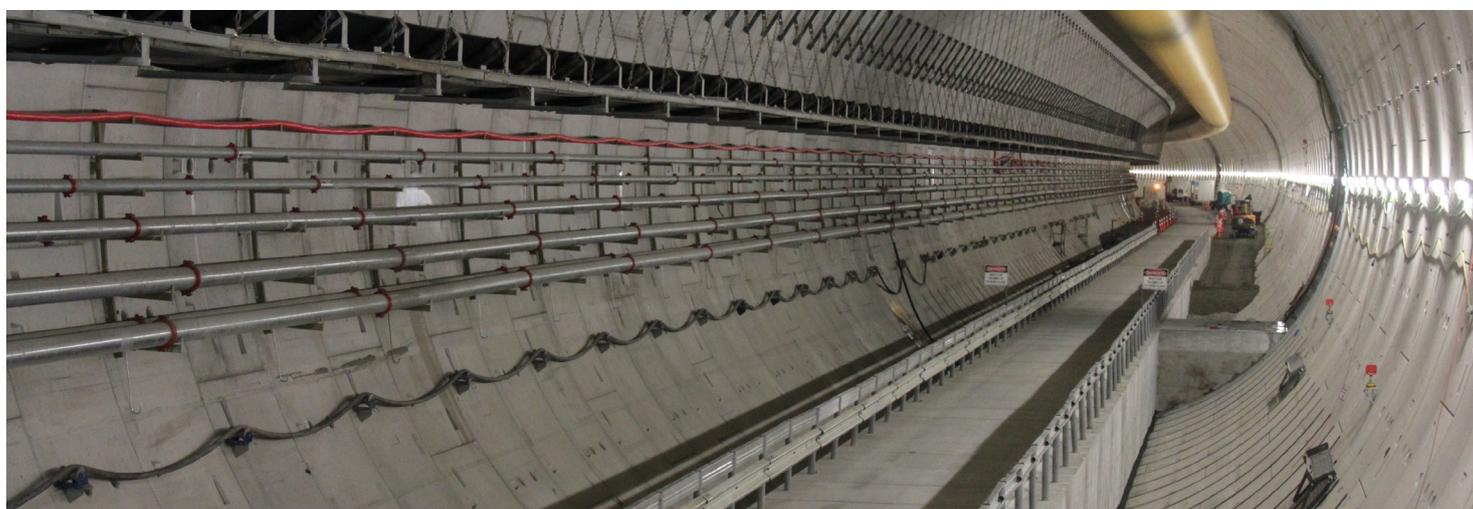
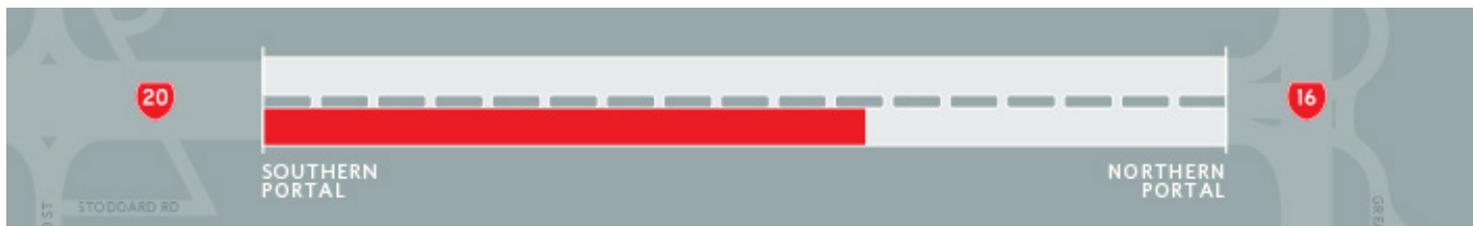


PROJECT UPDATE



World-first innovation a huge success

Remember how long it took you to learn to ride a bike? Drive a car?

When you do something for the first time, it often takes a while to get it right. Our culvert gantry was a world-first innovation. This project is the first time in TBM history that the installation of the services culvert and the actual tunnelling have been separated, so we sort of expected it to take a while to get up to speed.

But far from a slow start, our culvert gantry tunnel team have made incredible progress. After beginning work 500m behind Alice in late March, our culvert gantry has now caught up with her – installing over 665 culverts in just five short months! This is an impressive result, achieved through team work, perseverance, and hard work.

The 95m long, 400T culvert gantry was purpose designed for the project by Herrenknecht, who also built Alice. On most tunnelling projects, the culvert gantry forms part of the TBM itself and the culverts are placed as the machine moves forward. The problem with this is that progress of each activity is affected by the other – meaning delays with culvert placement can potentially slow down the tunnelling operation and vice versa. Separating the culvert placement from the tunnel boring means Alice is able to continue tunnelling regardless of what is happening behind her.

The gantry places the 2m high, 10.1T culverts end by end along the tunnel floor, forming a tunnel within the tunnel that will carry the cables and services that will be needed to operate the tunnel upon completion. These include, for example, cabling for the ventilation system, lighting, fire detection, surveillance and communication. As the culverts are placed, the area beside them is backfilled to its full height with aggregate, creating the first stage of the

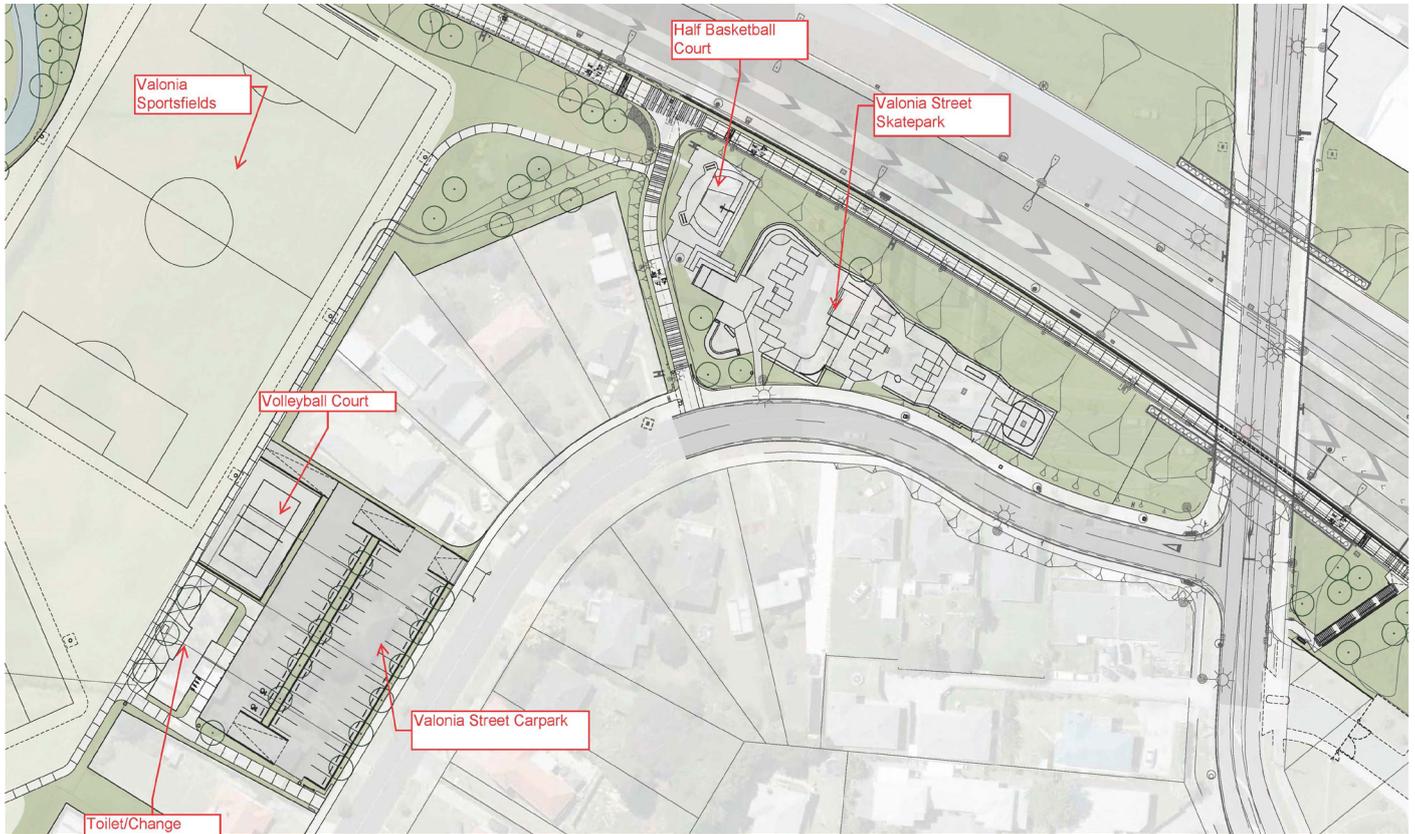
foundations for the new motorway.

Catching up with Alice was the team's primary goal so that the culverts can provide a secondary emergency escape route as close to the TBM as possible which improves safety in the tunnel. With this first goal now ticked off, the team are focussing on maintaining the exceptional safety, quality and production levels achieved so far.



The culverts are placed side by side along the tunnel floor, to form a "tunnel within a tunnel" that will carry the services and cables needed to run the tunnels once they open.

What's happening at Valonia Street?



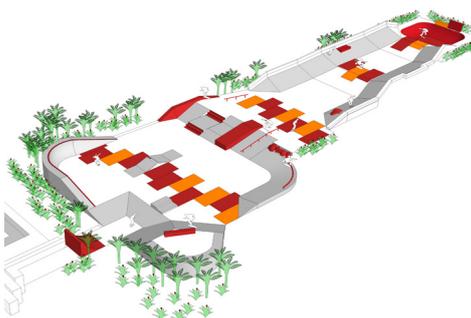
More than a motorway: A major revamp is planned for the Valonia Street area as part of the Waterview Connection project, including a variety of new community facilities.

The section of Valonia Street closest to Richardson Road has been closed since early 2012 to allow construction of the motorway in this area. This section of road is currently being realigned, with the aim of re-opening Valonia Street in early 2015. Alongside the road construction, a variety of new facilities and leisure spaces are planned for this area, including:

- Two full size permanent sportsfields
- Carpark
- Intermediate to advanced level skatepark
- Basketball court
- Carpark
- Ablutions block
- Volleyball court

The sportsfields have already been constructed and were handed over to Auckland Council at the end of March. They replace and upgrade the fields that were in Alan Wood Reserve which had to be relocated to make way for construction.

Now open for play, the sportsfields which feature irrigation, drainage, lights and a sand carpeted turf, are being enjoyed by local soccer teams for matches and training. Over the summer months they will be used for cricket and



Artists impression of the new skatepark planned for Valonia Street

softball. A smaller junior size training field will also be constructed at Hendon Park. To enable us to create these new facilities, 3 properties on Valonia Street will need to be removed; this work will commence over the next few months.

One of the most exciting developments in the Valonia Street area is an intermediate to advanced level skatepark at the corner of Valonia Street and Richardson Road. Designed by a reference group that included the Well-Connected Alliance, Auckland Council, and

experienced local skaters, the skatepark reflects a volcanic lava flow, starting from a pool at the top, running down through a channel and finally spreading out to a plaza at the bottom. It will incorporate various features including rails, pools, boxes and terraces to ensure a challenging and dynamic ride for skaters. A half basketball court will sit alongside the skatepark. Earthworks for the skatepark and basketball court will commence over the next few months.

VALONIA STREET UPGRADE - WHERE ARE WE AT?

- Services and utilities works
- Removal of houses
- Valonia roadworks complete
- Ablutions block and carpark
- Skatepark complete
- Toilet block and carpark complete
- Opening of Valonia Street & facilities

A long ride for the Well-Connected team

200km, 2 days. That's what some of our team will cycle in November when they take part in the Ride to Conquer Cancer supporting the Cancer Society. Our team will ride for two courageous days through some of New Zealand's most beautiful scenery to raise money and awareness for cancer research. Our team has set a goal to raise over \$15,000 for the Cancer Society through the Ride.

Not up to a 200km bike ride? You can still support the critical work of the Cancer Society by making donation this Daffodil Day, Friday 29 August. The Cancer Society is not government funded and provides invaluable support to those going through cancer treatment and their families. Please support this worthwhile charity.



Frosty weather no match for Dennis

While the chilly nights of the last few weeks have seen most of us hibernate indoors with duckdown duvets and heatpumps, the frosty temperatures certainly haven't been slowing Dennis down. Even on the coldest nights, Dennis and his crew have been busy placing beams for Ramp 3, which will take traffic travelling along SH16 from the west into the tunnel.

Currently working out over the westbound onramp of SH16, Dennis will move out over the westbound lanes around mid August, and the eastbound lanes towards the end of the month. To allow Dennis to place beams safely, various night closures of SH16 and the westbound onramp will be in place during August. Remember, Dennis will only be working at night so please don't slow down to look at the gantry when driving along SH16 during the day. Please take care when driving in this area.



Enveloped in thick fog, Dennis was almost unrecognisable on one of the wintry mornings in Auckland over the last few weeks.



The growing Great North Road Interchange, where the Waterview tunnels will connect to SH16. Ramp 1, which is visible in the centre, is now complete, and Dennis the yellow gantry is now placing beams for Ramp 3.

Precast Sub-Alliance hits halfway mark



Our East Tamaki Precast facility has now produced more than half of the 24,140 precast concrete ring segments needed to line the Waterview Tunnels.

Following Alice's significant halfway milestone in mid-June, the Precast Suballiance (Comprising the Well-Connected Alliance and Wilson Tunnelling) recently celebrated their own halfway point. The factory has now produced half of the 24,140 precast segments needed to line the twin tunnels between Owairaka and Waterview – an impressive achievement given that the factory has only been in production for twelve months. If the segments were put end to end, they would stretch 54 kilometres – from Albany to Pukekohe and beyond.

Introducing Claire Cooney

From August 1st, a new face will be leading stakeholder communications at the northern (Waterview) section of the project. Claire Cooney will be taking over as Stakeholder Liaison Manager - North from Jocelyn Shaw. Claire has been involved in the project since early 2012 in the role of Stakeholder and Communications Support – you may have met her at the Waterview Coffee Project or one of the WCA summer BBQs. Claire will be your contact for all project information, queries or concerns around construction activities, community initiatives and WCA involvement. Jocelyn Shaw remains with the communications team, having stepped into the Communications (Team) Manager role.

If you'd like to meet Claire and find out more about the Waterview Connection, drop into the Waterview Coffee Project, 29 Daventry Street, during her session times:

Tuesdays @ 1.00pm

Thursdays @ 9.00am

The third Saturday of the month @ 10:00am.

If you unable to make these times, you can contact Claire on 021 607 774 or claire.cooney@wellconnected.co.nz



Seen something unsafe? Call us!

We're appealing to our project neighbours for help after objects were thrown into our work sites. These incidents could have caused serious injury or worse if the objects had distracted or hit their targets.

Please, if you see any activity on the edge of our work sites that looks suspicious or dangerous, call our 24-hour phone line – 0508 TUNNELL (0508 88 66 35) – or the Police.

Tell us what you think for your chance to see Alice's big Breakthrough!

Remember to send in your survey responses from the July project update for your chance to win a ticket to Alice's big breakthrough at Waterview in September. The only way to get a place at this once-in-a-lifetime event is to win one!

Well-Connected Alliance will host special visitors in August

Hundreds of school children will (virtually) visit our site in August as part of a LEARNZ virtual field trip. LEARNZ is a programme run by a not-for-profit organisation Core Education that has been supported by the Ministry of Education since 1999. LEARNZ field trips take students right to the centre of the action – to places it would be unsafe or impractical to attend a real field trip. Over the past 15 years, students have "visited" Scott Base in Antarctica, Mt Ruapehu's crater lake, Raoul Island, and soon, our very own Alice TBM!

LEARNZ is used in 83% of New Zealand schools. Each year 100 classes (around 3,000 students) participate in fifteen 3-day virtual field trips.

During a field trip students stay at school but, as far as technology allows, participate in a live field trip. They can ask questions of the field trip leaders and view interactive materials including video and animations.

Over a three day virtual field trip, students will have the opportunity to meet Alice and learn more about the construction of the Waterview Connection Project - New Zealand's largest ever roading project.

Want to know more about our project?

If you are seeking information about our project, please drop into our main office at 150 Stoddard Road any time during normal business hours, 8am to 5pm, Monday to Friday.

You can also visit us at the Roskill Coffee Project, 740 Sandringham Road at the following times:

Tuesdays and Thursdays from 11.15am until 11.45am

And the Waterview Coffee Project, 29 Daventry Street, Waterview on:

Tuesdays @ 1.00pm

Thursdays @ 9.00am

The third Saturday of the month @ 10:00am.

Looking at a new future for the Unitec Campus

Completion of the Waterview Connection project in early 2017 will bring better connections through and within Auckland. It is therefore "enabling" infrastructure that will make Auckland a more attractive city to invest, operate a business, get a job, attend a university and live.

Already a number of new property developments have been announced, with their proponents citing the Waterview Connection and completion of the Western Ring Route as factors in their decision-making. Unitec, on the edge of our project, is no exception.

Unitec has made a submission to the Auckland Council's Unitary Plan Process outlining a long-term vision for its existing Mt. Albert campus. The submission requests zoning changes for 53.5 hectares of the 64.5 hectare site which would allow a mix of residential, commercial and green spaces. Unitec plans to consolidate its campus into 10 hectares at the southern

end. Unitec is currently operating out of 177 buildings spread across the site, many of which are not fit for purpose and very expensive to maintain. Some of the buildings are also a seismic risk.

Unitec's submission is based on a long-term strategy to make better use of the Mt. Albert campus, ensuring it will help to endow Unitec's future sustainability as a leading vocational and applied professional education institution. To meet the changing needs of its students, Unitec wants to develop an education hub for the 21st century concentrated in the southern end of its existing site. The hub will offer a highly flexible and technology-enabled teaching and learning environment, further connect students to their future workplaces, and enable graduates to move into high quality work and develop new business ventures.

At the same time, Unitec's aspiration is for the Mt. Albert site to become a high-quality

and sustainable urban development that enhances the local community and is an asset for Auckland. Some ideas of what the future could look like include enhanced public parks and recreation areas, Carrington Road transformed into a tree lined boulevard and increased connectivity between Mt. Albert and Pt. Chevalier.

To help advance local discussion Unitec has established a community liaison group which is meeting regularly and ran a well-attended drop in session last week for local residents. Unitec is also working alongside Auckland Transport and other departments and agencies who will have a vital role to play in the future of the site.

To read Unitec's full submission and, visit www.unitec.ac.nz/futurecampus or email unitecfuture@unitec.ac.nz



A new "Education Core" and redevelopment of Oakley Creek are part of the planned developments



Unitec's submission to the Proposed Auckland Unitary Plan at a glance

Why Unitec is seeking changes: To meet the changing educational needs of students and address the high costs of maintaining buildings some of which pose seismic risks.

What Unitec's vision sets out: A new education hub - including a commercial and enterprise exchange - surrounded by enhanced green spaces, public parks and residential housing. Unitec wants to create a vibrant village atmosphere that brings tangible benefits for surrounding business and local communities.

Benefits for Mt. Albert, Pt. Chevalier and Waterview

- Better access to recreation facilities and enhanced green spaces including much better access to Oakley Creek via a green bridge to Great North Road.
- Improved walkways and cycle paths to connect Mt. Albert, Pt. Chevalier and Waterview.
- Potential for an urban boulevard (Carrington Road) with improved public transport links and bus hubs.
- Employment opportunities in the commercial and enterprise exchange.
- Quality residential housing, including a Residential Heritage Precinct.

WHAT'S COMING UP ON THE WATERVIEW CONNECTION?

- Closure of Ernie Pinches Footbridge for three months from the end of September. The bridge is being extended to accommodate an additional northbound lane on SH20.
- Moving Great North Road back to its original position at the end of September.
- Pouring of the large tabletop on Pier 10 for Ramp 4 of the new Great North Road Interchange in late August. Our team are currently working nights to erect the steel formwork structure which creates the basin

into which the concrete is poured. It will take up to 8 hours to pour the 190m3 of concrete needed for this giant structure. SH16 eastbound and Great North Road city bound will be closed while these works are undertaken. Detours will be in place.

- Alice's big breakthrough at the end of September.

WELL-CONNECTED ALLIANCE PROUDLY DELIVERING

16 20 **Waterview Connection**

NZ TRANSPORT AGENCY
WAKA KOTAHU

Contact us at
info@wellconnected.co.nz
if you would like to receive
Project Updates by email

FREephone 0508 TUNNEL (88 66 35)
PROJECT WEBSITE www.nzta.govt.nz/waterviewconnection
FOLLOW THE PROJECT ON FACEBOOK www.facebook.com/AliceTBM