

CONSTRUCTION UPDATE

We've slowed down for winter, but the next earthworks season is just around the corner!

Wet winter weather is no good for earthworks, but this doesn't mean work on the Project has come to a grinding halt. The team have been focusing on some key activities over the winter months, including, ground improvement and drainage works, start of structures in the southern and central north zone, rock blasting and production, and ongoing maintenance of environmental controls.

The team are also busy planning for the next earthworks season, which officially starts on the 1st of October 2018. The 2018/19 Earthworks Season will see around four million cubic metres of earth moved across the project, so it's gearing up to be a busy earthworks season!

In our next newsletter we will provide some key information about the 2018/19 Earthworks Programme, so watch this space.



Earthworks have been reduced on the southern side of Moir Hill Road, but structures works are ramping up.

Bulk earthwork activities are completed between October and April, when rainfall is typically less and temperatures warmer, which reduces the risk of erosion and sediment ending up in local waterways. During winter, earthwork areas are significantly reduced, and environmental controls are put in place in line with the project's resource consent conditions.



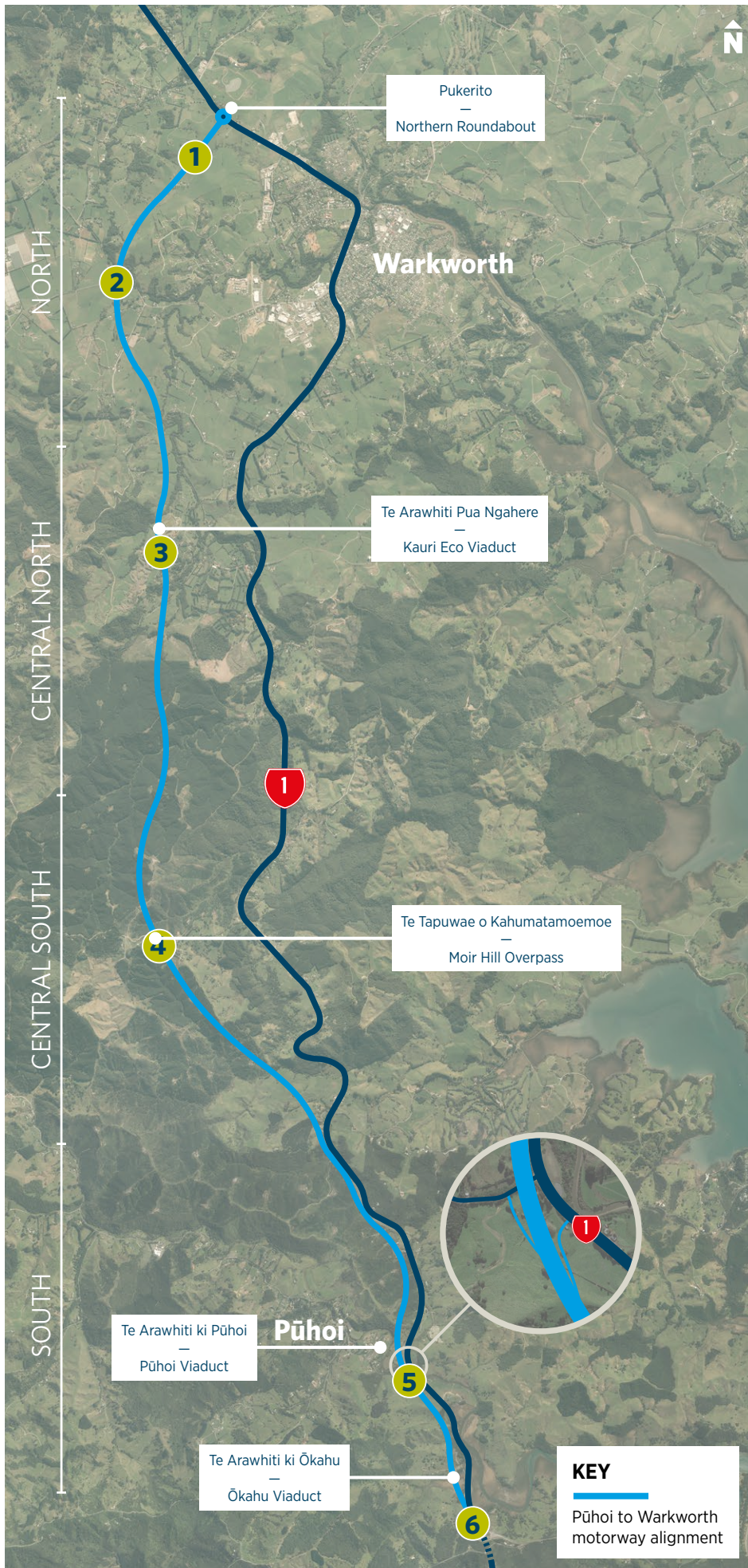
Stakeholder Satisfaction Survey – Now Live

The NX2 Stakeholder and Communications Team are working hard to ensure project neighbours and the community are kept up-to-date with what's going on across the project, and we're keen to get your feedback on how we're doing. Our previous survey gave us some great insights into areas for improvement and we look forward to hearing from you again. All responses will go in the draw to win a guided site tour!

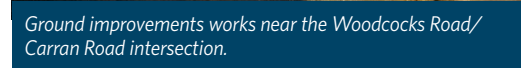
The survey is now live and will be open until Friday 31 August. Click the link to take part in the survey: www.surveymonkey.com/r/SY7HJJZ



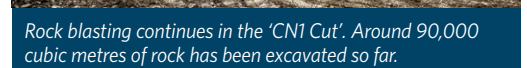
Interested in seeing how the project is progressing? Take a look at the latest drone footage, now available on our website www.nx2group.com or by clicking the image below.



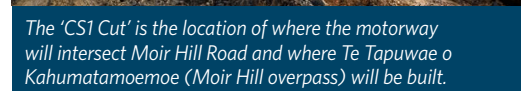
1 Ground improvements have been completed and structural 'fill' compacted. The area has been called Pukerito and translates as "middle hill" signifying the general area as a gully between two hills.



2 Ground improvements works near the Woodcocks Road/ Carran Road intersection.



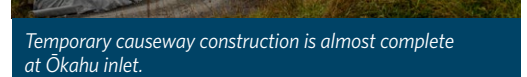
3 Rock blasting continues in the 'CN1 Cut'. Around 90,000 cubic metres of rock has been excavated so far.



4 The 'CS1 Cut' is the location of where the motorway will intersect Moir Hill Road and where Te Tapuwae o Kahumatamoemoe (Moir Hill overpass) will be built.



5 Ground improvements are underway with the installation of wick drains and sand blanket on top, south of Pūhoi Road.



6 Temporary causeway construction is almost complete at Ōkahu inlet.

This map is indicative only. For more project photos, maps, videos please visit our website www.nx2group.com or Facebook page Ara Tūhono - Pūhoi to Warkworth

What's happening along Woodcocks and Carran Road?

Construction works have become more visible along Woodcocks Road, near the Carran Road intersection. The ground improvement works are in preparation for construction of the Woodcocks Road Bridge, which will start early 2019. The team are currently excavating the southern side of Woodcocks Road and will then move to the northern side of Woodcocks Road. Both areas will be backfilled with hard materials creating a suitable base for construction of the new Woodcocks Road Bridge.

The final road layout will see a section of Woodcocks Road realigned and straightened. This will improve sightlines for vehicles travelling underneath the Woodcock Road Bridge. Approximately 140 metres of Carran Road will also be realigned to the west of the current intersection.

Traffic will be using the new road layout by late 2018.

Here's a 'bird's eye view' of the works area (click the image to see drone footage).



Artist's impression of the Woodcocks Road Bridge (view looking east to west along Woodcocks Road)



Meet the Team

Meet Ashley (Ash) Holder and Richard (Richie) Ekanayake. Both work in the Northern Zone, in the Woodcocks/Carran Road area. Ash is the Supervisor, overseeing the daily tasks of the work crew and working closely with the project engineers. He is well assisted by Richie, who is brand new to construction but taken to his role like a duck to water!

When asked about their roles and experience working on the project they said:

(Ash) I've been working in construction for around 14 years and enjoy being part of a big project. I worked on the Orewa to Pūhoi connection and had hoped I'd be part of the team that builds the next section. Now we're doing that, I'm able to work close to home!

The Woodcocks/Carran Road area is technically quite challenging, with

lots of groundwater about, making it quite swampy. We've been working on the ground improvements needed in the area and building the 'Woodcocks Road Raft' which is the solid base to support the Woodcocks Road Bridge.

Richie is great to work with. He brings a positive "can do" attitude and a keenness to learn.

(Richie) Construction is relatively new to me. In my previous life I've worked long days behind a computer. I decided I wanted a complete change - to be outside, physically and mentally challenged. Everyday there's a new challenge and opportunity to learn. I get a real sense of accomplishment and pride seeing our daily tasks completed, as we progress further with our long-term objective, to build a world class motorway!

Ash and Richie both live in the Warkworth area with their respective families.



Richard (left) and Ashley (right) oversee the works in the Woodcocks/Carran Road area.

Eyes on the road, don't get distracted!

There's a whole lot happening across the project, some of which can be seen from the roadside, but please don't be distracted. The best place to find out what's going on is to check out our website and/or Facebook Page for the latest drone footage (www.facebook.com/aratuhoonopuhoitowarkworth www.nx2group.com) or visit our Information Centre at 45 Wyllie Road. Check out our website for opening hours.

Out & about in the community

In June and July 2018, the NX2 Stakeholder and Communications Team presented to The Ladies' Club of Warkworth, Mangawhai Rebus, hosted Kristin College Students at our Project Office and visited Ahuroa Primary School. In August, the team will be back at Warkworth Primary School to teach students about Structures! The team will also be at the Pūhoi Village Market on Sunday 30 September.



Come say "hi" to the team at the Pūhoi Markets, Sunday 30 September.

Opportunity knocks

- ✓ Are you interested in working on a major earthworks project?
- ✓ Do you have experience operating machinery?
- ✓ Do you want to add value to a worksite?

Then we want to talk to you NOW.

The Pūhoi to Warkworth motorway project is looking for experienced machinery operators for the next earthworks season. Interviews are being undertaken by the Projects labour hire companies. If you are interested in joining the team, please contact the agencies below to find out more.



Company	Email address	Mobile	Landline
National personal Ltd	NPLNorth@npl.nz	021 929 963	09 444 4940
Onsite Projects	daniel@onsiteprojects.co.nz	021 881 853	09 238 3329
North & South Recruitment Ltd	admin@nsrecruit.co.nz	021 916 410	
Freestyle Constructors & Recruitment Ltd	tony@freestyla.co.nz	021 445 986	
A1 Recruitment & Contractors Ltd	admin@a1recruitment.co.nz	021 502 993	
New Zealand Labour Hire	marlon@nzlabourhire.co.nz	021 749 599	09 580 0460
Auckland Formwork Limited	admin@aucklandformwork.com	021 0221 4173	09 478 2430

What's coming up?

NORTH

- Ground improvement works continue, including preparation for the Woodcocks Road Bridge
- Preparation for the 11-barrel culvert, north-east of Woodcocks Road

CENTRAL NORTH

- Rock blasting west of Perry Road and in the forestry area
- Drainage works continue in the forestry area, including one of project's largest culvert, a triple barrel culvert 220 metres long

CENTRAL SOUTH

- Construction of Te Tapuwae o Kahumatamoemoe (Moir hill overpass) begins
- Continuing to mill rock cuts south of Moir Hill Road
- Installing drainage in preparation for receiving 'fill' materials (Hungary Creek)

SOUTH

- Establishment of the Pūhoi construction yard (north of Pūhoi Road)
- Completion of the temporary Causeway at Ōkahu
- Continuing ground improvement works south of Pūhoi Road
- Arrival of cranes to the Te Arawhiti ki Ōkahu site (Ōkahu viaduct) to begin piling works

Project Timeline

✓ JANUARY 2017 Start of enabling works	NOVEMBER 2019 Start of pavement works	SEPTEMBER 2021 Pavements completed
✓ OCTOBER 2017 Start of bulk earthworks	NOVEMBER 2020 Earthworks completed	OCTOBER 2021 Works completed
✓ JANUARY 2018 Start of structures	OCTOBER 2020 Structures completed	LATE 2021 Motorway open to traffic

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