

Snells Algies wastewater pipe and outfall construction update

Improving the wastewater network in Snells Beach and Algies Bay

Watercare and our contractor McConnell Dowell started work in September 2019 to upgrade wastewater pipes and an outfall pipe from the Snells Algies Wastewater Treatment Plant. This upgrade will provide network resilience, protect the environment and cater for rapid growth in the Mahurangi East area.

This project is part of a wider scheme. At a later stage, a new wastewater pipe will be laid from Warkworth to a new Snells-Algies Wastewater Treatment Plant. The route for this is still to be finalised. The existing Warkworth Wastewater Treatment Plant will then be decommissioned.

Open trenching along the public road

In January 2020, works began on the 4.5-kilometre open trenching section, starting at Miller Way. Open trenching will progress along Martins Bay Road, onto Mahurangi East Road to Dawson Road. We have installed 1,435m so far, having to stop works during Covid-19 Level 4 lockdown.

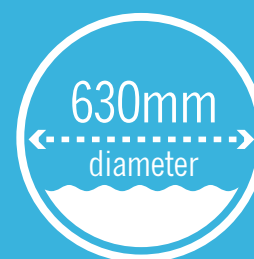
Traffic layout changes are in place while this takes place and we ask that you follow the rules to ensure the safety of our communities and contractors. Only green means go, and please stick to the speed limit of 30km/h.



Open trenching Martins Bay Road.

FAST FACTS

The wastewater pipe will be
6.5km long
and



The estimated cost for the construction is

\$39 million

Timeframe



**September 2019
to September 2020**

Tunnelling operations

In March we commenced the 2km tunnelling section of the project from private farmland at Miller Way.

Before this, some young visitors got a close-up look at the big tunnel boring machine (TBM) before it disappeared underground. Last year we visited Snells Beach School to carry out a naming competition and get the students to create some painted handprints for the TBM. “Starlight Piper” aka Piper was the winning name and the group of students had an opportunity to visit the construction site and see Piper in the launch trench complete with the handprints which had been turned into decorative stickers.



Snells Beach School students, L to R: Zoey Blackie, Autumn Howson, Max Mendez Baines, Laticia Levet and Milly Chase with Piper the TBM.



Tunnelling has progressed well, completing 1,036m of the 2km drive, progressing around 25mm/minute.

Works have also started in the marine environment, taking advantage of the settled weather, dredging the sea trench and TBM reception pit. At the completion of the tunnelling drive a diffuser pipe string will be towed from another location, sunk in place and connected to the tunnelled section of pipe.



TBM launch site, Miller Way.



Marine outfall dredging works off the Mahurangi East Peninsula.

To keep informed:

Please email “sign me up” to Snellsalgiesoutfall@water.co.nz for project updates and traffic changes.

Any questions regarding the project?

If you have any questions regarding the project, please contact:

Celeste Rauner from McConnell Dowell on:



0508 623 266 / 0508 MCD COMMS



or via email: Snellsalgiesoutfall@water.co.nz



Regular updates can be found by visiting www.watercare.co.nz