

Conns Creek Road Wishaw to Neighbours Street replacement

A new pipeline connecting Wishaw Street to Neighbours Street has been installed and connected to the reticulation. This work included the installation of 540m of PE pipeline, and associated hydrants and valves.

This work was funded by the Ministry of Health Capital Assistance Programme (CAP) Subsidy and physical works were completed by TruLine Civil Ltd.



PERC showers and bottled water

Due to the recent frequency of water shutdowns in Waimangaroa, in the case of a water outage local residents are invited to use:

- Showers at the Pulse Energy Recreation Centre (PERC)
- Collect bottled drinking water locally (to be distributed from the Fire brigade by Council staff) for any outage over 8hrs.

Please bring your ID with you and provide the reception staff at the PERC with your name. The staff will be aware of this offer and welcome you.

Buller District Council (BDC) encourages residents to keep their own 24-hour emergency water supply in case of unplanned outages.

This support offer was made possible through a partnership between Buller District Council, Pulse Energy Recreation Centre and Civil Defence.

Monitoring hub

A monitoring hub is proposed to be installed. This will include measurements of flow and turbidity with potential for future additions. The installation of a turbidity meter will provide further information for future treatment plant investigation, and the installation of a flow meter will assist with demand management.

Conns Creek and township pipeline replacement

Upgrades to the Conns Creek and township reticulation are proposed. The existing Conns Creek PVC Rural pipeline will be replaced by a Polyethylene (PE) pipe. This section has experienced several breakages in the last year, and the installation of new infrastructure will ensure a reliable supply to Waimangaroa. Critical sections within the Waimangaroa network will be selected for replacement. This will include replacement of laterals and Tobies in these key areas.

Leak detection and remote connections

A leak detection survey will be undertaken in Waimangaroa. This will build on existing demand management work undertaken in 2021. Exploring the removal of remote water connections removes a potential source of leakage and illegal connections to the supply.



BULLER
DISTRICT COUNCIL
Te Kaunihera O Kawatiri

Waimangaroa Water Supply Upgrade Project Update

Newsletter 4 • June 2022

Kia ora koutou

This newsletter is one of a series providing updates to the Waimangaroa Community on the progress of the upgrades to the Waimangaroa Water Supply.

Summary of upgrades

The Buller District Council 2022/23 Annual Plan has budgeted for the Council Resolved \$2.3M Scenario 3 (improved resilience) which includes \$900k of priority reticulation and trunk main renewals. The Waimangaroa Water Supply upgrade works now includes: upgrades to the intakes and settling tanks; replacement of the Conn's Creek Pipeline; replacement of sectors of township reticulation; a monitoring hub and leak detection work. This is summarised on the following pages.

As resolved by Council these upgrades will not include a Water Treatment Plant or storage tanks. Hence the upgrades will achieve improvements in resilience but not compliance. The repair of significant damage to Conns Creek Road is the responsibility of the Department of Conservation (DOC). Until DOC have completed the road repairs, access to the raw water system remains limited.

Recent outages

The Conns Creek Road water line has suffered from some recent outages due to breakage and splitting. In addition to this the re-livening of the main, after sections were replaced by Council's contractor, did not go as planned and caused elevated levels of cloudiness and sedimentation in the consumers water supply. The Waimangaroa township reticulation network has had a long history of raw water flowing through it, so re-livening procedures can stir material. Staff reduce this by a regime of hydrant flushing. Council apologies for the inconvenience caused.

Intake upgrades

Upgrades to the intake have been designed, however, construction has been delayed due to the washout on Conns Creek Road preventing access to the site. This upgrade includes installation of the new Conns Creek primary intake, an upgrade of the existing secondary (Unnamed Creek) intake and installation of storage and sedimentation tanks.

Works are being undertaken by WestReef Services Limited and will be able to commence once the Conns Creek Road repairs are complete.



FOR MORE INFORMATION

email: info@bdc.govt.nz or visit Council's website www.bullerdc.govt.nz



Why water tanks are not an option

The community has asked about the opportunity to have self supply water tanks. Council has resolved that it isn't practical for the following reasons:



Size of the population served puts it outside of the Local Government Act Section 131 Subclause 2 (a), allowing for the dissolution of the water supply.
 - And even if it did meet that requirement it would then still need to then meet all other requirements of the remainder of Subclause 2, including the Regulators (Taumata Arowai) support and approval.



The restrictions of self-supply in relation to physical lot size and catchment parameters of each and all residents is not equal. Not every property can fit tanks.



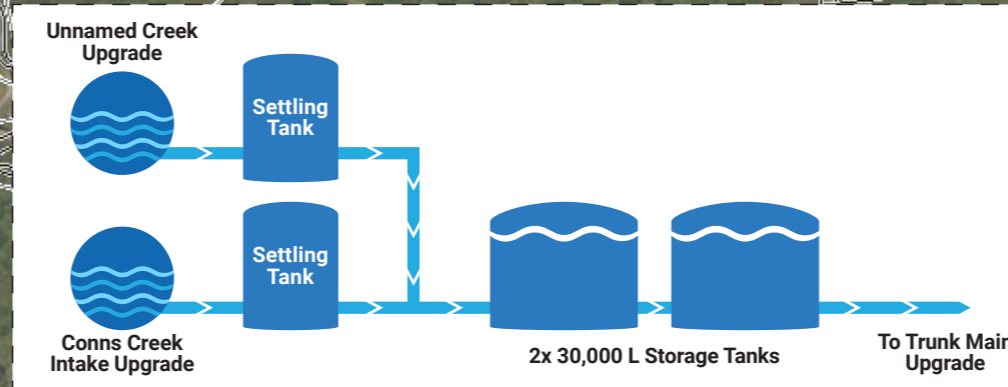
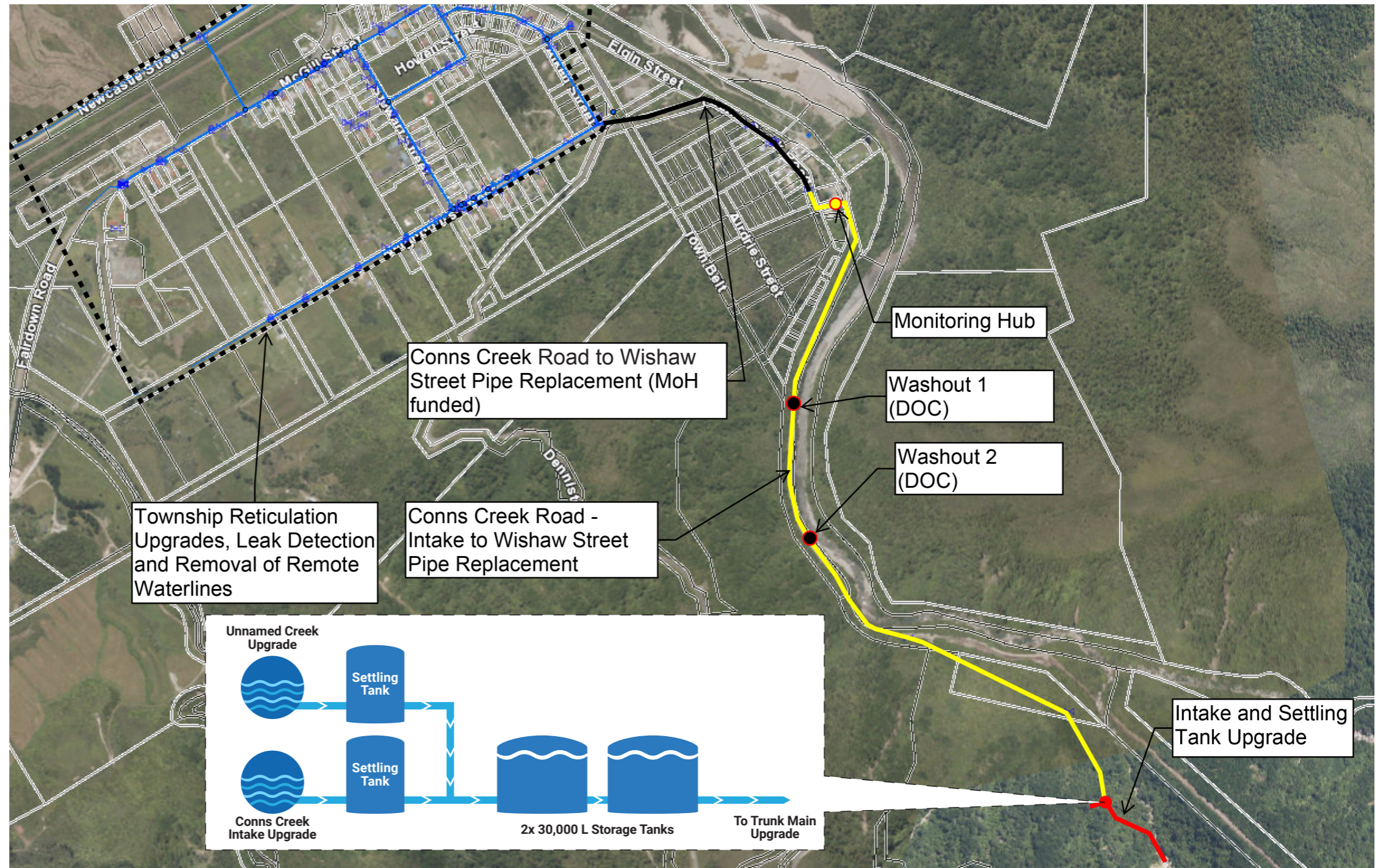
The need to remain a Urban Fire District FW2 compliant under SNZ PAS 4509:2008 New Zealand Fire Service firefighting water supplies code of practice.



Houses with roofing material inappropriate for rainwater harvesting.



Initial set up costs of \$4,000 per 30,000L tank, pump and filter / UV combo. \$2,000 on site and POS plumbing at \$2,000. An average of \$8,000 each x 139 connections = \$1.1m, plus maintenance for existing reticulation.



Project timeline

