

## Christie Avenue Wastewater Pump Station upgrade project Frequently Asked Questions - October 2020

### 1. Where is the Christie Ave Pump Station?

The Christie Ave Pump Station is shown in yellow below, it is located down a right of way at 90 Christie Ave, Te Awamutu.



### 2. Why is the Christie Ave Pump Station being upgraded?

The Christie Avenue Wastewater Pump Station was built in the 1970s, and was designed to cater for Te Awamutu's population demand of up to 10,000 people. Te Awamutu had a population of 13,000 in 2016 and is projected to have a population of 18,300 people by 2050. It's essential that we upgrade the current infrastructure to cope with increasing demands.

### 3. Who owns the Christie Ave WWPS?

The Christie Avenue Wastewater Pump Station is owned and managed by Council.

#### 4. How long has the Christie Ave WWPS been planned?

This project had been identified as future requirement for over three years and has recently become a necessity due to the Waikeria wastewater pipeline project.

#### 5. Are there any other options to relocate the Christie Ave Wastewater Pump Station to a non-residential area?

We have investigated a number of relocation options in addition to the proposed in-situ upgrade. Christie Ave Pump station currently services the second largest catchment in the Te Awamutu network (moving approx. 1,000,000 litres of waste water every day), therefore relocation may require the construction of up to three additional facilities plus extensive modification to existing underground infrastructure.

Significant investment to purchase suitable land plus additional time to apply for and obtain resource consent and further investment for construct the new facilities would be required for each additional pump station. Due to the requirement to upgrade prior to the completion of Waikeria wastewater pipeline project, relocation of the pump station could compromise the service we provide to our residents.

#### 6. Who will be affected and for how long?

The work programme is made up of two key phases. Construction of the storage tank (expected completion March 2021) and then the upgrade of the existing pump station building (expected completion August 2021).

Residents on Christie Ave and neighbouring properties will be affected by increased construction noise and traffic during daylight hours due to the pump station being located down the right of way on Christie Avenue. Mitigating resident impacts will be carefully monitored by WDC throughout the construction period. If at any time you have any concerns you would like us to address, please do not hesitate to contact Carl Smith on 027 584 7086 or via email [carl.smith@waipadc.govt.nz](mailto:carl.smith@waipadc.govt.nz).

#### 7. How will the construction affect me?

Nearby residents can expect an increase in vehicle movements and construction noise while earthworks take place. Council's environmental health team will monitor noise as required for work of this nature.

Contractor vehicles will be parked on the roadside to reduce vehicle movements to site.

At times during the project, there may be heavy vehicles using the right-of-way which may impede vehicle access for short periods of time. If this is to take place, you will be notified so you have adequate notice to exit your properties during this time.

#### 8. Will my driveway access be impeded when you lay the new pipes to the pump station?

When we reach the right-of-way, all pipes will be installed by trenchless methods – this should ensure there is no need to dig up driveway access. The contractor is managing site conditions to ensure driveways are not blocked.

#### 9. What about dust? Will that impact me?

Spartan have a requirement to manage dust on the site which should result in no dust moving over the boundary to neighbouring properties. We will monitor this during construction and if dust becomes an issue, we will discuss options available to remediate any negative effects.

## 10. What about light-spill from the site?

Construction is primarily being undertaken during the day, so no additional lighting by the contractor is being installed for construction activities. If night works on the site are required, you will see more lighting on the site but this will be rare, well-notified, and we will use lighting intended to minimise spill from the site.

As part of the upgrade we will be addressing the effects of the current exterior halogen light used by the operations staff. The existing light will be replaced with a LED unit(s) which are proven to reduce any light-spill to neighbouring properties. The new light(s) will be repositioned which will reduce any impacts on neighbouring properties.

## 11. When are the works likely to happen?

We have identified a 10 month period for full construction works and reinstatement of site with a target completion date of August 2021. Work will commence on site on Monday 5 October 2020.

Works on site are limited to 7am to 6.30pm, Monday to Friday. No work is to be undertaken on the weekends, public holidays and over the Christmas/New Year Period (24 December 2020 – 5 January 2021).

If any works are to be undertaken outside these time (e.g. in order carry out work during periods of low flow in the wastewater network) then 10 days' notice to the surrounding residents will be provided.

## 12. What's the process from here?

The construction period will begin on 5 October 2020 with larger equipment being moved to site in the week following.

## 13. What work is planned for the renewal and upgrade?

The schedule of works includes:

- Modifications to the existing pump station building including the following:
  - Existing pumps replacement.
  - New internal pumping pipe work.
  - New electrical upgrade.
  - Modifications to the existing structure to allow for the installation and removal of the new pumps.
  - Odour control measures.
  - Roof replacement.
  - Exterior painting.
- New emergency storage tanks with an estimated storage volume of 255m<sup>3</sup>, including new wastewater pipe lines and manholes within the designated boundary. This allows for the installation of the new storage tanks which will require bulk earthworks of approximately 500m<sup>3</sup>.
- New wastewater rising main with an external diameter of 315mm (approx. 500m in length), along the Christie Avenue - Mutu Street road corridor to connect to the existing wastewater rising main in Mangapiko Street.

Following completion of the build, we will be undertaking a range of planting and landscaping on site in order to improve the visual impact. Overall, we aim to have a better amenity on site both in terms of operation and in appearance.

#### **14. Population growth isn't looking to slow, how will you cope with increasing demands?**

The Christie Ave upgrade includes provision for an additional third pump to be added at a later date when population demands require it. This is expected to extend the pump station's lifetime and meet population demands.

#### **15. I've got more questions, who can I talk to about this project?**

Waipa District Council's project manager Carl Smith is available on 027 584 7086 or via email [carl.smith@waipadc.govt.nz](mailto:carl.smith@waipadc.govt.nz) for any questions about the Christie Avenue Pump Station upgrade programme.

