

# Owners and Occupier's Commissioning Manual

## Pressure Wastewater Pumping System



**Council's Contact:  
(03) 543 8400 (24 hours)**

**Version 3  
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## Introduction

This manual contains information for owners and occupiers of properties with a Pressure Wastewater Pumping System.

Please keep this manual in a prominent place on the property for quick reference, particularly in the case of an alarm.

**Under no circumstances is plumbing from the dwelling to be connected to the Pump Station until the electrical supply to the Pump Station is connected and the system has been fully commissioned and the Construction Statement issued (refer page 16).**

**Remember only the three P's should be discharged down the toilet, Pee, Poo and Paper (Toilet Paper only NO WIPES- Even if stated as Flushable- they are NOT ! ).**

## Emergency Contact Numbers

**For help with your Pressure Wastewater Pumping System please phone Tasman District Council on**

**(03) 543 8400 (24 hours).**

The operator may ask you several questions to try and resolve the issue over the phone; if the issue cannot be resolved we will dispatch a contractor to the site.

## What to do if the Alarm Sounds

When a Pressure Wastewater System alarm is activated it will sound an alarm and a red light will come on. If this happens you should take the following steps:



**1** Press the **button** located under the electrical control panel. This will turn off the alarm, however, the alarm light will stay on.

**2** Wait **an hour** and then check to see if the alarm panel is still on.

**3** If the light on the electrical control panel is still on, **call Tasman District Council on 03 543 8400 (24 hours)**.

**4** Give the Tasman District Council operator your name, street address and contact number.

**5** If the light on the electrical control panel is no longer lit, then **no further action is required**.

## Interruption to Power Supply

In the case of a power supply failure, the pump unit (including alarms) will not function. The chamber has approximately 24 hours storage for a typical household.

In the event of a significant (more than a few hours) power cut, please minimise the amount of water being used. Some tips on reducing water are:

- Keep showers brief
- Avoid taking baths – if a bath is required, leave the water in until the power comes on if possible
- Turn off taps when not in use
- Avoid using dishwashers and washing machines where possible

If the alarm sounds immediately after a power outage, press the button under the alarm panel to silence the alarm.

High storage levels can trigger the alarm during a power outage but will return to normal once power has been restored. If the red light has turned off after one hour, the system has returned to normal operation.

If the red light is still on after one hour, please phone the Council on **03 543 8400 (24 hours)**

Do not turn off the power to the pump unit or remove the fuse.

If it appears that the power outage may last longer than 24 hours, the Council may visit your property to empty the pump station.

## Frequent Alarm Troubleshooting

If the alarm sounds and then turns off on a regular basis, please consider the following:

- Do you have an appliance connected to your wastewater system that empties a large amount of water quickly into the pressure wastewater system?
- Is the alarm sounding during or immediately after rain? This may indicate that you have stormwater entering your Pressure Wastewater System.

These issues will need to be dealt with as they may cause significant problems, so please contact the Council on **03 543 8400 (24 hours)**. Continue to use your Pressure Wastewater System as normal.

## Warranties / Repair Costs

Operation and maintenance of the Pressure Wastewater System is included in the general wastewater rates paid by the owner to Tasman District Council. Council will provide one only free call out and blockage clearance of the pump system, as long as the blockage is not caused by non-flushable items listed below. All costs will be recovered from the property owner for all subsequent blockages and damage caused by non-flushable items.

In most cases, repairs will be undertaken by replacing the grinder pump unit. This can be done on the property and should take less than two hours to complete once a service crew is on site.

The exceptions to this will be if you have:

- Discharged non-flushable items into the pumping unit that you have been advised not to (refer to non-flushable items below);
- Tampered with the pumping unit, storage tank or controls;
- Interfered with or damaged the pump discharge line or boundary kit;
- Sealed off the vent to the unit;
- Damaged the electrical control panel, the pumping station or the control cable;
- Operated the pump system when the dwelling does not have a Building Code of Compliance Certificate;

All cost associated with the clearing the pump and pump station of non-flushable items will be recovered from the property owner.

## Non-Flushable Items

To avoid blockages and damage to the Pressure Wastewater Pumping System the following items should **NOT** be placed into the system.

### **ONLY FLUSH THE THREE Ps – PEE, POO AND PAPER!**

To avoid blockage and damage to the pressure wastewater system the following items should **NOT** be placed into the system.



Please note that **all wet wipes, including those advertised as flushable**, are not appropriate for the Pressure Wastewater Pumping System as they will block the pump. Toilet paper is the only paper product that should be discharged to the Pressure Wastewater Pumping System. If you are in doubt about any substances entering the Pressure Wastewater Pumping System, please phone Tasman District Council on **03 543 8400**.

## Property Owner's Responsibility

On purchasing your lot (prior to building a dwelling), the developer will provide you with an electrical control panel. The electrical control panel then becomes your responsibility. Any lost, misplaced or damaged control panels will need to be replaced at the property owner's expense.

The Pressure Wastewater Pumping System servicing your property is owned by the Council. Any damage caused to the pump station, electrical cables and electrical control panel prior to the issue of the Building Code Compliance Certificate will be repaired or replaced at the property owner's expense.

No plumbing from the dwelling is to be connected to the Pressure Wastewater Pumping System or any discharge of water in to the pump station is to occur until the electrical supply to the Pressure Wastewater Pumping System is commissioned. Where plumbing is connected which results in the electrical units within the Pressure Wastewater Pumping System being damaged the cost of the repair will be recovered from the property owner.

Unimpeded access to the electrical control panel and the pump station must be available to the Council at all times (24 hours) for inspection and maintenance. The electrical control panel is to be located at a suitable height above the ground, close to the Pressure Wastewater Pumping System so that the flashing light can be seen and the alarm turned off.

If the electrical control panel and or the pumping station is located within an enclosed yard, access to the yard must be freely available, ie no locked gates.

Landscaping around the Pressure Wastewater Pumping System is permitted as long as the pumping station cover remains accessible for service. Landscaping is to be maintained at least 150mm vertically at all times between the ground level and the chamber lid and 100mm horizontally away from the chamber lid.

If the pump station cover is to be surrounded on two sides by a driveway then it is advised to erect bollards or similar to stop any damage to the pump station from a vehicle backing onto the lid.

The pump station cover should not be buried or covered in any way.

The area around the pump station is not to be landscaped so as to create a low lying area where water may pond around the lid and thus enter the pump unit.

The property owner is responsible for the cost of electrical supply and any damage done to the Pressure Wastewater Pumping System during building work and subsequent landscaping etc of the site

## **Parts of Your Pressure Wastewater Pumping System**

The Pressure Wastewater Pumping System comprises the following parts:

### Property owner maintained parts

1. The wastewater line (maintained by the property owner).
2. The electrical supply from the switch board within your dwelling to the electrical control panel (maintained by the property owner).

### Council maintained parts

3. The electrical power controls and alarm (Electrical Control Panel);
4. The electrical wiring within the rigid conduit from the electrical control panel to the pump station
5. A pump station (including a pump unit inside a storage tank);
6. A pump discharge line from the pump station to the boundary kit;
7. The boundary kit valve assembly located at or near your property boundary;
8. The pressure lateral away from the boundary kit and the pressure reticulation in the street.

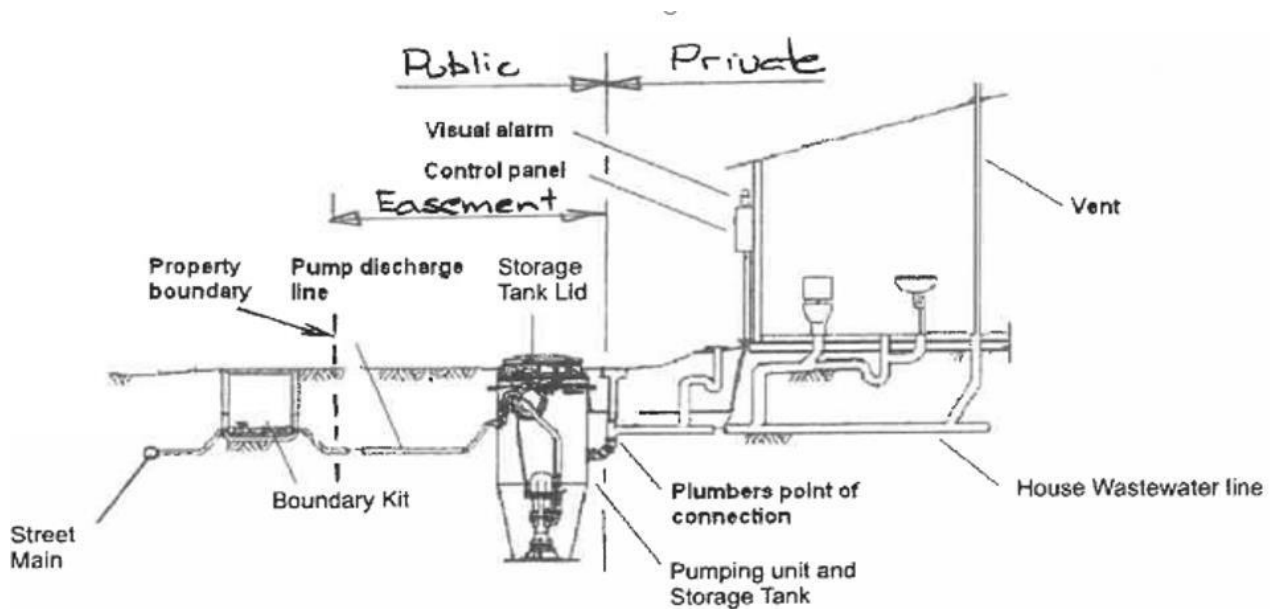


Figure 1- Typical on-property Pressure Wastewater Pumping System

## Boundary Kit

Between the pump discharge line and the pressure main in the street, a backflow prevention valve and an isolation valve has been installed. This will:

- Prevent wastewater flows from other properties entering your pumping station;
- Allow your property to be isolated for repairs to be carried out;
- Allow flushing of the wider pressure network if required.

**Under no circumstances should the private property owner operate these valves.**

## Pump Unit

The grinder pump unit is housed within a polyethylene storage tank placed on your property. Within the storage tank there are mechanical and electrical components that control the Pressure Wastewater Pumping System. The small grinder blades at the inlet to the pump are able to break up wastewater solids and allow them to be pumped through the discharge line to the pressure sewer main in the street, they are not designed for anything but the 3P's. Most of the storage tank is buried below ground, but the pump station lid needs to protrude from the ground to allow access for servicing, for ventilation into the pumping station, and to prevent stormwater entering it.

## Pump Discharge Line

The pump discharge line connects the pump station to the boundary kit. This line is used to discharge wastewater from the property and is under pressure.



The pump discharge line should not be moved or altered in any way.

## **Electrical Power Controls and Alarm (Electrical control panel)**

The preference is for the electrical control panel for the pump, is to be located on the wall of your house or garage, where practical to do so. You need to ensure that this installation is watertight and full compliance with the building code is maintained.

An alternative is to fix the Electrical Control Panel to a post (minimum 100mm x 100mm) on a fence, or on a post (minimum 100mm x 100mm) installed adjacent to a fence for the sole purpose of locating the Electrical Control Panel. The Electrical Control Panel cannot be installed on fence palings. The reason for this is the neighbouring property could inadvertently screw or drill through the fence paling into the Electrical Control Panel.

The pump station comes with a standard 14 m of electrical control cable. If more cable is needed, please contact the pump supplier to arrange a longer cable. There are to be no joints in the cable between the pump unit and the electrical control panel.

The electrical cable between the house, the electrical control panel, and the pump station is to be in rigid conduit/ duct buried in accordance with AS 3000. Please be careful when you or your contractors undertake excavation work on your property around this buried cable.

The Electrical Control Panel is to be located at a suitable height above the ground, close to the pump station so that the flashing light can be seen and the alarm turned off. The Electrical Control Panel is to be wired directly into the main electrical switch board with its own isolation fuse and switch. All electrical wiring above and below ground shall be located within a suitable sized rigid conduit.

**Only Tasman District Council personnel (or its contractor) are to work or service any of the electrical power and alarm installation from the electrical control panel to the pumping station.**

**The electrical equipment inside the electrical control panel, the electrical conduits and the alarm light run on 240-volt power. Please notify the Council of any damage to these installations.**

## **Household Wastewater Pipework (Private drainage)**

The household wastewater pipe collects waste from your kitchen, toilet, and other sanitary fittings and drains under gravity flow to the Pressure Wastewater Pumping System. The household wastewater pipe is the property owner's responsibility and when damaged the property owners should contact a licensed plumber or a licensed drain-layer to fix any faults.

No plumbing from the dwelling is to be connected to the Pressure Wastewater Pumping System until the electrical supply to the Pressure Wastewater Pumping System is connected and the pump station has been commissioned.

## **FREQUENTLY ASKED QUESTIONS**

### **How does the Pressure Wastewater Pumping System Work?**

Pressure Wastewater Pumping Systems differ from conventional gravity systems in that they depend on a pump unit to remove the wastewater from the property. A small pump station is installed on the property to pump household wastewater into the Council's pressure wastewater reticulation located within the street.

The pumping unit works in the following manner:

- The pump station has a small grinder pump that grinds up solids so they can be passed through the pump discharge line to the Council's pressure wastewater reticulation. The pump will not grind up some materials (please refer to the section relating to non-flushable items).
- The pumping station will hold household wastewater until its level reaches the 'pump-on' level in the tank. When this occurs, the pump will automatically turn on and pump the wastewater to the pressure wastewater reticulation located in the street.
- When the level falls to a certain pre-set level, the pump will automatically switch off.
- Typically, a pumping cycle will take between one to three minutes and will occur several times per day around the periods of high usage.
- If the pump fails to start, the level of wastewater will continue to increase until it reaches an 'alarm level' when both an audible and a visual alarm will be activated. This level is about one third of the total capacity of the tank so there is still storage capacity within the tank once the alarm is activated.
- The alarm (both sound/light) may also be activated as a result of power returning after an outage. In all cases the alarm will automatically shut off when the storage level drops below the alarm level. The alarm can be switched off by pressing the small button under the electrical control panel.
- The storage tank has a minimum capacity of 660 litres and when combined with household drains should give at least 750 litres of total storage. Much of this storage capacity is above the alarm level activation point. Therefore, you can continue to use essential services after the alarm sounds, although we strongly recommend you contact the Council on (03) 543 8400, keep water use to a minimum and avoid activities that use a lot of water until the system is repaired.

### **How do I know if the pressure main has burst?**

Wet ground or water coming from the ground between the pumping station and the boundary kit may indicate a burst pipe.

If you think the pumping discharge line is damaged, please phone the Tasman District Council on **03 543 8400** immediately.

During a burst pipe incident, minimise the discharge of wastewater to the system

### **What Loading can the Pump Station Cover take?**

The pump station cover is safe for walking on but you must keep vehicles off the cover. **Do not cover the pump station cover with any objects.** A **150mm** vertical ventilation space is to be maintained at all times between the ground level and the pump station cover. If the pump station is to be surrounded on two sides by a driveway then it is advised to erect bollards or similar to stop any damage to the pump station from a vehicle backing onto the lid.

## Can we discharge Rainwater to the system?

The Pressure Wastewater Pumping Systems and the pressure reticulation is **NOT** designed to accommodate stormwater. The Council does not permit the discharge of stormwater into any wastewater network. If you notice the alarm triggering during rain events, it is possible a downpipe or stormwater drain is connected to your private drainage system and this needs to be corrected. You need to ensure that landscaping around the pump station does not create a low spot where stormwater will pond and flood the pump station.

## NO STORMWATER IS TO ENTER THE PUMP SYSTEM

### Can we build an extension to our House, Garage, Carport or Garden Shed over the Pressure Wastewater Pumping System?

The pump discharge line can be moved to accommodate extensions to the house or construction of a swimming pool, shed etc. When contemplating any modifications to the property, the owner needs to check their property drainage plans to see where the on-site installations are, plan the property extensions with that in mind and phone the Council to determine what will be involved in any relocation of the system. The relocation of the Pressure Wastewater Pumping Systems and any pipework will be at the property owner's expense.

You should not build over the pump station, pump discharge line or the boundary kit. Please phone the Council on **03 543 8400** to discuss options for relocation of the pressure wastewater system.

### What should I do when I go on holiday?

It is suggested that before you go on holiday that you:

- Partially fill the bathtub and then release it into the drain or run your washing machine through a cycle. This will activate the pump and flush clean water through the system.
- Advise your neighbours of the procedure should the alarm be activated. They can contact Council in the event of the alarm sounding.
- Do not turn off the power to the pump unit. If the unit is turned off at the house's main switch board, the alarm will not sound to warn your neighbours if a problem does occur and the Pressure Wastewater Pumping System may overflow.

It is highly unlikely that there will be an alarm incident while you are away on holiday, as no wastewater should be entering the system.

### Who Repairs the Pressure Wastewater Pumping Systems?

Tasman District Council will service and repair the pressure wastewater system on your property, and in the street. Tasman District Council is not responsible for household plumbing that drains to the pump station.

All repairs to the private household plumbing, up to the connection to the pump station, are at the property owner's expense.

Unimpeded access to the electrical control panel and or the pump station must be available to the Council at all times (24 hours) for maintenance. The electrical control panel is to be located at a

suitable height above the ground, close to the pump station so that the flashing light can be seen and the alarm turned off (refer to: Electrical Power Control and Alarm section).

If the electrical control panel and or the pump station is located within an enclosed yard, access to the yard must be freely available, ie no locked gates.

### **Can I Landscape around the Pressure Wastewater System?**

Landscaping over the pump discharge line is permitted.

Landscaping around the Pressure Wastewater Pumping System is permitted as long as the storage tank cover remains accessible for service. Landscaping is to be maintained at least 150mm vertically at all times between the ground level and the chamber lid and 100mm horizontally away from the chamber lid.

The area around the pump station is not to be landscaped so as to create a low lying area where stormwater may pond and enter the pump unit. An area of approximately 500mm (horizontally) free of plants or other obstructions must be maintained around the edge of the pump station chamber lid to allow for a safe workplace for Council's contractor.

If the pump discharge line requires repairs, the Council will need to access the pipe. Landscaping may need to be removed, we will endeavour to minimise disruption to the garden, but Council is not responsible for the replacement of plants that interfere with the maintenance of the system.

### **What do I do with the discharge from a Swimming Pool?**

No Swimming pool or backwash water from a swimming pool is to be discharged to the Pressure Wastewater Pumping System.

If you are required to dispose of water from your swimming pool or backwash water please contact the Council and discuss options for disposal.

### **What do I do with the discharge from a Spa?**

No Spa pool water is to be discharged to the Pressure Wastewater Pumping System. The preference for disposal would be to neutralize the chlorine and dispose the spa water onto the garden and or lawn area of your property.

If you are required to dispose of water from your spa pool please contact the Council and discuss options for disposal.

### **What does it Cost to Operate the Pressure Wastewater Pumping System?**

The power supply for the pump station is to be supplied by the house being serviced. It is estimated that for a 3 to 4 person household the Pressure Wastewater Pumping System will add approximately \$5 to the monthly power account. This cost is to be funded by the property owner.

All costs associated with the cleaning of the pump unit of non-flushable items will be recovered from the property owner.

### **Who is Responsible for Electrical fittings?**

An electrical control panel for the pump operations will be supplied by the developer at the time of purchase of the lot. Once the electrical control panel has been provided to the property owner, they

become solely responsible for the electrical control panel. A lost, misplaced or damaged electrical control panel will need to be replaced at the property owner's expense.

Unimpeded access to the electrical control panel and or the pump station must be available to the Council at all times (24 hours) for maintenance. The electrical control panel is to be located at a suitable height above the ground, close to the pump station so that the flashing light can be seen and the alarm turned off. (refer to: Electrical Power Control and Alarm section)

**The electrical equipment inside the electrical control unit and the alarm light run on 240-volt power. Please notify the Council of any damage to this installation and stay away from damaged part.**

## Consent Notice

There is a consent notice pursuant to section 221 of the resource Management Act 1991 relating to this property. The consent states:

"The lot will be serviced by a low pressure sewer system where the pump station will be owned by Council and an easement will allow access to the site. The owners are to install the electrical control panel as per the "Owners and Occupiers Commissioning Manual– Pressure Wastewater Pumping System". There is to be unrestricted access to the electrical control panel and the pump station for Council or Councils Contractors. Power for the pump station is to be supplied and paid for by the owner."

## Commissioning of Pump Station (by the Building Company or the Property Owner)

The developer is to purchase all components to complete the installation of the Pressure Wastewater Pumping System. As lots are purchased the developer is to issue the property owners with the electrical control panel for the Pressure Wastewater Pumping System.

The developer is to ensure that the pump supplier has adequately trained the Council's Operations and Maintenance contractor in all aspects of the pumps operations and testing requirements. Records of training including names of staff undertaking that training is to be provided to the Council before any Pressure Wastewater Pumping Systems are installed.

Prior to 224 certification the developer is to provide the Council with evidence that the Pressure Wastewater Pumping System and all related components have been installed in accordance with the manufacturer's specifications and that all electrical control panels are available for the property owners. The developer is to keep records for inclusion in the "Construction Statement- pressure wastewater system" and to form part of the 224 certification as-built.

- The serial numbers of the tank, including the installation date and installer's name.
- The serial numbers of the pump, including installation date and installer's name.
- The serial numbers of the control panel, including the name and date the unit was issued to the property owner.

Typically the commissioning of the pump station is completed by the building company who will have an approved Start Up and Commissioning Agent. The Agent will supply the relevant information on the “Construction Statement” form for inclusion in information provided to the Tasman District Council for the issuing of the Building Code Compliance Certificate.

In other cases, the property owner will have to engage an approved Start Up and Commissioning Agent to undertake the commissioning. The Agent will supply the relevant information on the “Construction Statement” form for inclusion in information provided to the Tasman District Council for the issuing of the Building Code Compliance Certificate.

The “Construction Statement” form is appended to this document.

Prior to the Council issuing the Building Code of Compliance certificate for the dwelling, the property owner needs to:

- Ensure that the pump station has been commissioned by an approved “Commissioning Company” and pay all cost if any to have this testing completed.
- Ensure that a fully completed “Construction Statement- pressure sewer system” certificate for that pump station must be supplied to Council as part of the Building Code of Compliance.
- The Pressure Wastewater Pumping System is not to be used until the Council has issued the Building Code Compliance certification.

**Note:** If the dwelling is occupied and does not have a Building Code of Compliance Certificate, Council’s Operations and Maintenance Contractor will not maintain the Pressure Wastewater Pumping System and the boundary connection will be isolated with a valve.

## Easement

- Each pumping station is to be protected by way of an easement in gross in favour of the Council.
- The area of the easement is to be based around the centre point of the pump station.
- The minimum size of the easement in gross for an individual pump unit is 2.5m square centred on the pump station.
- The following details are required in the “Annexure Schedule” of the easement documentation.

### Details as per this Annexure Schedule

1. The rights and powers implied in the easements of right to drain sewage, over areas \_\_\_\_\_ DP \_\_\_\_\_ (individual Pressure Wastewater System Areas) are varied and added to as follows:
  - (a) In relation to the right to drain sewage ‘easement facility’ means pipes, conduits, pumps, storage tanks, valves, other equipment suitable for that purpose and anything in replacement or substitution;
  - (b) Subject to sub clause (c), the Grantee is responsible for arranging the repair and maintenance of the easement facility, and for the associated costs so as to keep the facility in good order and to prevent it from becoming a danger or nuisance. However, if the repair and maintenance of the easement facility is wholly or partly attributable to an act or omission by the Grantor, its agents, employees, contractors, tenants, licensees or invitees, then the Grantor must pay the Grantee the portion of the costs of the repair and maintenance that is attributable to that act or omission;
  - (c) The Grantor is responsible for arranging the repair and maintenance of:
    - i. the sewage lateral between the dwelling on the servient land and the point where it connects to the storage tank; and
    - ii. the electricity cable between the dwelling on the servient land and the point where it connects to the storage tank;and for the associated costs so as to keep the sewage lateral and electricity cable in good order and to prevent them from becoming a danger or nuisance/ however, if the repair and maintenance of such sewage lateral or electricity cable is wholly or partly attributable to an act or omission by the Grantee, its agents, employees, contractors then the Grantee must pay the Grantor the portion of the costs of the repair and maintenance that is attributable to that act or omission.
  - (d) The costs of any electric power used for the operation of the easement facility shall be borne by the Grantor.
  - (e) The Grantor shall comply at all times with the obligations of the owner under the “Owner and Occupiers Commissioning Manual – Pressure Wastewater Pumping System” published by the Grantee, as amended from time to time, and any manual published in the substitution thereof. If there is any conflict between the terms of the manual and the terms of this easement instrument, the terms of this easement instrument shall prevail.
  - (f) The Grantor shall not construct or allow to be constructed any fence on any boundary that is:

- i. Between the easement area and road; or
    - ii. Between the easement area and land that is subject to a right of way easement.
  - (g) In circumstances where the Grantee is required to enter upon the servient land in order to access the easement area, the Grantor must not do or allow to be done anything on the servient land that may interfere with or restrict the ability of the Grantee to remove the storage tank and pump from the easement area for the purposes of maintenance or replacement.
  - (h) The Grantor shall not park or drive any vehicle on or over the easement area, and shall not allow any Person to park or drive any vehicle on or over the easement area.
  - (i) The Grantor may plant low ground cover within the easement area provided such plants do not encroach within 100mm horizontally of the chamber lid of the storage tank. Otherwise, the Grantor shall not plant or allow to be planted any tree, shrub, hedge, or other plant, which in the opinion of the Grantee is likely to damage the easement facilities. The Grantee may, at the cost of the Grantor, enter upon the servient land and cut down, grub up, and remove any such plant.
  - (j) The Grantor acknowledges that the easement facilities are owned by the Grantee.
2. The rights and powers implied in all the easements granted under this easement instrument are varied and added to as follows:
- (a) The Grantor shall not place or allow to be placed any pipe, cable, conduit, building, wall, fence, or other structure on, under, or over the easement area without the prior written consent of the Grantee.
  - (b) The Grantor acknowledges and agrees that the Grantee, its agents, employees, and contractors can go over and along the easement areas shown as \_\_\_\_\_ on DP \_\_\_\_\_ in order to perform any duty or exercise any right, conferred or implied under this easement instrument, on any easement area described in Schedule A.
  - (c) Notwithstanding anything to the contrary express or implied in this easement instrument, except with the prior written consent of the Grantee the Grantor shall not grant to any other Person any rights in respect of the easement facilities.
  - (d) The Grantee may exercise and enjoy all rights, immunities from liability, powers and remedies to which it now or in the future may possess or be entitled to or have vested in it by virtue of any statute or at common law without being limited or restricted by anything in this easement instrument.
3. In this easement instrument 'Person' includes any individual, the Crown, a corporation sole, and any body of persons whether corporate or unincorporated.



# Construction Statement

## Pressure Wastewater Pumping System

**This information is to be presented to the building inspector at the time of the final inspection.**

To: **Tasman District Council Building Consent Authority**

In respect of building consent number: At: (project address)

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- Completely new Pressure Wastewater Pumping System
- Reconnection or alteration an existing Pressure Wastewater Pumping System

In relation to the installation of a Pressure Wastewater Pumping System - Pump Ownership/Control *(tick one)*:

- (i) To be vested in the Tasman District Council**
- (ii) To be Privately Owned and Operated**

*Please refer to Part B and complete Section 1 or Section 2.*

### Commissioning

*(to be completed by the Pump Supplier)*

INSPECTION	Yes	No	NIA
Correct placement of pump in chamber and Lifting rope secure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Discharge hose connection secure and valves open	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrical connection secure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level sensor correctly placed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High level float sensor correctly placed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pump operational at normal on/off levels	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cellular signal confirmed and visible on portal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Level sensor reading on portal confirmed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High level float signal confirmed on portal and email notification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Electrical Control Panel installed correctly	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Pump Serial Number:


Commissioning completed by (Name):


Control Panel Serial Number:


Commissioning Company:


Tank Serial Number:


Commissioning Date:


## Electrical

Electrical Certificate Number:	Electrician's Name:	Company:

INSPECTION	Yes	No
- Attached photo of completed Electrical control panel installation	<input type="checkbox"/>	<input type="checkbox"/>
- As built of the rigid electrical cable duct	<input type="checkbox"/>	<input type="checkbox"/>

Note: Electrical connection to be on a dedicated 20A D curve circuit breaker and the electrical certificate for this installation is to be sent to the Council for Code Compliance along with this form.

### PART B – Please complete Section 1 or 2 below

*(to be completed by the Certifying Drain-layer)*

#### Section 1 – for Systems that will be vested in the Tasman District Council.

I *(print name)* certify that the installation of the specified pressure pumping sewer system has been carried out in accordance with the manufacturer's instructions, the current approved building code and the current requirements of Tasman District Council's Land Development Manual and the Private Wastewater Pump Station Specification.

INSPECTION	Yes	No	NIA
Flushing of gravity lateral completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clearance of debris from pump chamber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Site layout schematic completed show off set boundary to house detailed on site layout for:			
- Consented Tank location	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Pressure line	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Boundary box	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Control panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Dry lateral in constraint area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Do the ground levels comply at the time of installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Attached photo of completed pump station.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Attached photo of completed Electrical Control Panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Certifying Drain-layer Name:	Certifying Drain-layer Registration Number:	Signature and Date:

*(Certifying Drain-layer to be a Tasman District Council Authorised Drain-layer (Pressure Wastewater System))*

Note: A detailed as-built design is to be completed for the items above and sent to the Council for Code Compliance along with this form.

**Section 2 – for Systems that will be Privately Owned and Operated**

*(to be completed by the Certifying Drain-layer)*

I *(print name)* certify that the installation of the specified pressure wastewater pumping system has been carried out in accordance with the manufacturer’s instructions, the current approved building code, the current requirements of Tasman District Council’s Land Development Manual and the Private Wastewater Pump Station Specification.

INSPECTION	Yes	No	NIA
Flushing of gravity lateral completed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Clearance of debris from pump chamber	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Site layout schematic completed show off set boundary to house detailed on site layout for:			
- Consented Tank location	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Pressure line	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Boundary box	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Control panel	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Dry lateral in constraint area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Certifying Drain-layer Name:

Certifying Drain-layer Registration Number:

Signature and Date:

*(Certifying Drain-layer to be a Tasman District Council Authorised Drain-layer (Pressure Wastewater System))*

Note: A detailed as-built design is to be completed for the items above and sent to the Council for Code Compliance along with this form and required attachments.