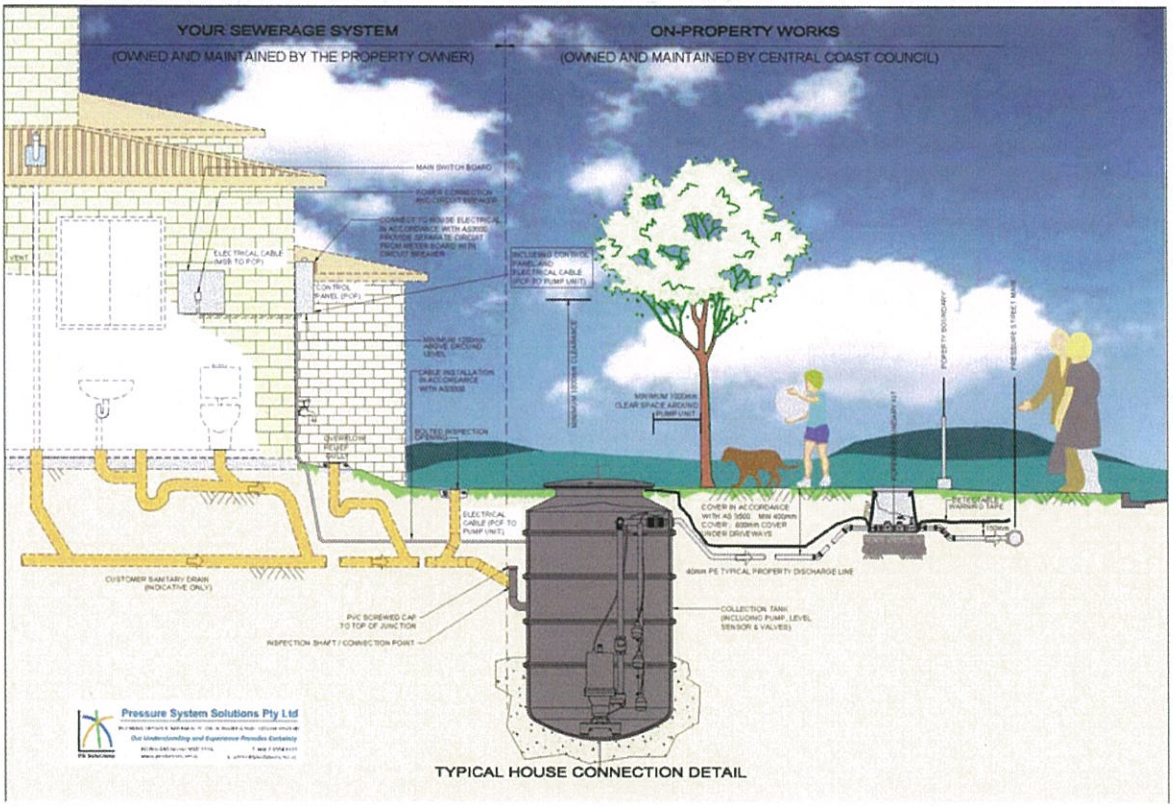
TACOMA SOUTH SEWERAGE SYSTEM

UPGRADE WORKS: Vacuum Sewerage System Replacement & Decommissioning

What is a Pressure Sewerage System?

Sewage from your house flows by gravity into a Pressure Sewer Unit (PSU) located on your property. A small grinder pump macerates the sewage and discharges it into a street main. The street mains comprise of small diameter sewage pipes, incorporating fully welded and sealed pipework, that prevents rain and groundwater entering the system.

The pressure characteristics of the system mean the pipes are not reliant on constant falls in the direction of flow. This allows pipework (normally polyethylene) to be installed in shallow trenches which can be directionally drilled through difficult terrain and sensitive area resulting in minimal environmental impact.



Benefits of a Pressure Sewerage System

- Suited to areas with high water table and risk of flood inundation
- Pipes laid in shallow trenches which can be directionally drilled
- Sealed, pressurised system reducing likelihood of rain and groundwater entering the system
- Storm water inflow into PSU can be identified based on pump operation characteristics
- Enables remote monitoring to provide early warning of operational issues
- 24hr (approx.) inherent emergency storage volume in the event of service interruptions
- Minimal environmental disruption and service interruption during construction

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On-Property Works

Installing the PSU on your property

Installation of the Pressure Sewer Unit (PSU) on a property is a three step process. This process involves installing the boundary kit, installing the PSU and connecting your PSU to the system. Work crews will look after each of the three steps outlined below.

Step One - Street Mains Construction and Boundary Kit Installation

The street mains will be installed in shallow trenches which can be directionally drilled.

A crew will commence on-property work by installing a boundary kit.

Step Two - On-Property Works

Once the boundary kit is in place, step two includes installing a PSU, a discharge sewer pipe to connect to the boundary kit and the Electrical Control Panel.

- The control panel is installed above flood level or at the main switch board level.
- The PSU will be installed in an area that is agreed with the property owner as discussed at the property meeting.

Step Three - Transfer to new service

Step three, transferring to the new service, commences once the street mains have been tested AND once your on-property works have been completed.