

Case Study: CHBDC, Waipawa Wastewater Network Upgrade Project

Region: Central Hawkes Bay

Client/Contractor: Drainways

Outline:

- The Waipawa wastewater upgrade project was aimed at relining a section of existing DN225 earthenware pipe, as well as laying a new section of DN150 PVC pipe with house connections.
- Drainways used three ROMOLD DN1000 PP manhole chambers.
- The goal was to achieve a durable wastewater line with zero infiltration or exfiltration.

Outcome:

- One chamber was installed with two new DN100 lines at inlet, and a DN150 line at outlet. Downstream a second chamber was used as an intersection, to connect the new DN150 line to the existing DN225 line. Upstream of that the third chamber was to be placed in the existing DN225 earthenware line to create an access point.
- The works including pipe & chamber installation, reinstatement, and later the earthenware pipe was to be relined.
- Chambers installed into the existing line greatly benefited from the speed of install, as the line was required to be closed for minimal time. The third chamber took just 2hrs 10 minutes from starting the digger to the line going live again!
- Improved safety in the workplace was noted as the chamber components were only a fraction of the weight of equivalent concrete chambers meaning reduced risk of crush injuries.

*"When comparing to a concrete chamber there is no contest. Quality of finish, simplicity, time, safety, longevity. It's a no brainer in my opinion."*

Jaydon Currie, Drainways

