Otane Infiltration and Inflow (I&I) Study

Over the coming months Central Hawkes Bay District Council will be assessing and inspecting the Otane Wastewater Network. This is part of a larger scale project in identifying Infiltration and Inflow (I&I) of Stormwater and Ground water into the Wastewater network, with the aim of reducing the amount of unnecessary storm and ground water the Wastewater Treatment Plant (WWTP) needs to treat and discharge.

**SCOPE**

In an effort to help diagnose problem areas in the network a combination of inspections will take place. We will be inspecting pipe work with cameras (CCTV).

Most lateral connections from houses to the mains will also be inspected as part of this process. This is also to help with the specifications of the future Otane WWTP project to ensure the volume is appropriately treated before being discharged.

CCTV inspections are generally used to/ for:

- Maintenance e.g. locating the position and cause of pipe blockages.
- General condition surveys to determine the areas in pipe networks that require attention and to develop long-term programmes for replacement and maintenance of the network.
- Responsive maintenance, e.g. to identify and repair faults in pipes that have caused overflows or flooding.
- Determination of rehabilitation requirements, e.g. to determine which pipes need to be lined to prevent too much water entering into the system. This can result in the pipes not having enough capacity to cope with the flow, thus causing overflows.
- Quality checks on new works or after the rehabilitation of pipes.
- Build over approvals, e.g. inspections of pipes to determine whether buildings can be constructed above them.

**THE CONTRACTOR**

A local contractor Drain Care will be undertaking the work of the CCTV inspections with Council Officers coordinating the work.

![Drain Care](image)

**Who can I contact for more information?**

If you have any queries, please contact Gareth Saxby from Central Hawkes Bay District Council on 06 857 8060 or for information on other projects please visit:


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OTANE WASTEWATER NETWORK

Figure 1: Otane wastewater network layout

TYPICAL SOURCES OF I&I

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FREQUENTLY ASKED QUESTIONS (FAQs)

What is the reason for this work?

Our aim is to reduce the throughput of unnecessary Waste Water through the Otane Waste Water treatment pond. These inspections will also help CHBDC in identifying any damaged or problem areas within the Otane Waste Water network and planning for repairs. If we can reduce the Infiltration into the network, the future Otane Waste Water treatment plant upgrade can be specified to the correct throughputs and possibly save money by doing so.

When will the project start and how long will it take?

We expect the project to start approx. May 2019 and the inspections to take up to 3 months with a lot of the inspection being weather dependant as the pipe camera cannot be used in pipes with significant water flow going through.

Will the area be left safe and tidy?

Yes, contractors will ensure all areas are left safe and tidy. There will be minimal intrusion with digging as the pipe camera will be setup to inspect through manholes. This is also the same when using smoke blow through.

Will there be disruption to my Waste Water supply?

The inspections are specifically targeted to be undertaken in times of low usage usually between the hours of 9am to 3pm Monday to Friday. This is to make sure that all pipes can be properly inspected with minimal disruption to residence. Residence in the affected streets will be advised the week before though Councils Facebook and Flyer Drop that their street and house will be inspected the following week.

Will there be any traffic interruptions or diversions?

Council will work with contractors to ensure residents are aware of the project and to keep traffic interruptions to a minimum. Draincare will have a traffic safety management plan in place in the areas that they will be working. We ask that you take care and be patient around these areas.

Will residents have any restrictions to access their homes?

There may be short periods of time when access to driveways is limited. Individual property owners/tenants will be advised in advance. This is dependent on access and locations of manholes to access the Waste Water network.

Will there be a lot of noise?

There will be minimal noise as the pipe inspection is underground. There will be contractor’s vehicles that will be moving from site to site with the appropriate traffic management plan in place.

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