Managing impacts

Like any major project, there will be impacts associated with the sewer rehabilitation works. We are working closely with Hobsons Bay City Council and the local community to manage these impacts.

As majority of the manholes are located in residential streets there will be some temporary changes to local traffic, parking and access conditions. A traffic management strategy will be prepared to manage these impacts.

At this stage, we expect works at each location to take approximately three to four weeks to complete and work will be carried out 24 hours a day 7 days a week.

There will also be some noise and odour impacts associated with the relining works.

We will work closely with our appointed contractor to minimise these impacts, especially when working at night.

We do not anticipate any impacts to your water or sewerage services during the works.

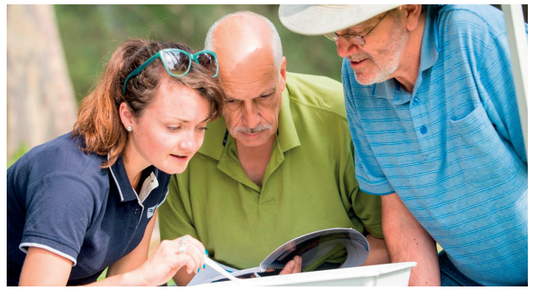
Did you know...

The Williamstown Main Sewer was built over 100 years ago and is a single brick sewer that is oval in shape. It is between 8 and 15 metres deep, picking up wastewater from over 7,600 properties and transferring it to a pump station located near Scienceworks.

Upcoming pop-up information stands

In September 2016, we will have two pop-up information stands in Williamstown to provide the local community with an opportunity to meet members of the project team and ask questions.

See details of the pop-up information stands below:



POP-UP STAND 1

Location: Coles Williamstown, 29 Douglas Parade
Date: Tuesday 30 August 2016
Time: 10am to 12pm
Details: two members of the project team will be at the stand to answer questions.

POP-UP STAND 2

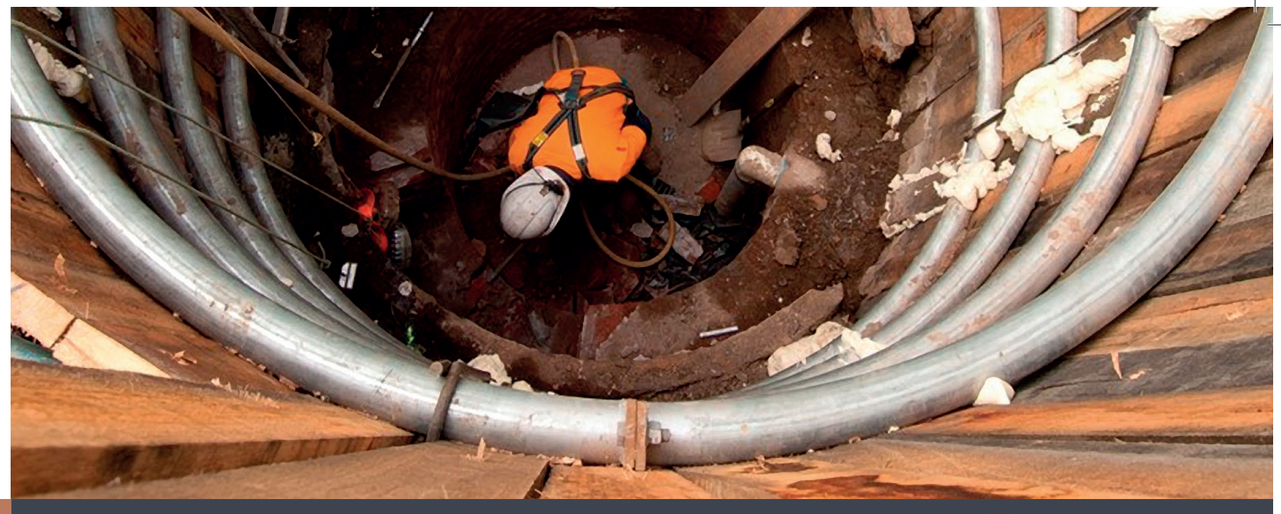
Location: Coles Williamstown, 29 Douglas Parade
Date: Saturday 3 September 2016
Time: 11am to 1pm
Details: two members of the project team will be at the stand to answer questions.

For more information about the Williamstown Main Sewer Rehabilitation Project:

Email **williamstownsewer@melbournewater.com.au**
Phone **1800 813 242**
Visit **www.melbournewater.com.au/williamstownsewer**

NATIONAL RELAY SERVICE
TTY 133 677

Interpreter
Interpreter Services:
TTY 131 450



Williamstown Main Sewer Rehabilitation Project

Project Introduction – August 2016

Melbourne Water is planning to upgrade the 100 year old Williamstown Main Sewer to ensure the Williamstown, Newport and Spotswood areas continue to receive a reliable sewerage service for the next 50 years.

Project overview

The Williamstown Main Sewer has been servicing approximately 7,600 properties in the Williamstown, Newport and Spotswood areas since 1905. Recent inspections of the sewer have revealed it is in poor condition and needs to be upgraded. The Williamstown Main Sewer Rehabilitation Project will improve the condition of the existing sewer extending its life for another 50 years.

Works will involve:

- Relining the existing 4.4 kilometre Williamstown Main Sewer between Pasco Street, Williamstown and Scienceworks using trenchless technology.
- Rehabilitating the associated manholes along the alignment.
- Installing bypass pumping arrangements to ensure relining works can be carried out safely while there are no flows in the pipe.

Majority of the works will take place around the existing manhole locations, with works moving progressively along the alignment from manhole to manhole.

Works are planned to start in early 2017 and are expected to be completed by mid 2018.

Key project dates

Site Investigations
October to December 2016

Sewer relining and manhole upgrade works
Early 2017 to mid 2018

Reinstatement and completion
Mid 2018

These dates may be subject to change as planning progresses and more information becomes available.
We will keep you updated about the timing of the works as planning progresses.

VICTORIA State Government

Melbourne Water

Using innovative trenchless technology

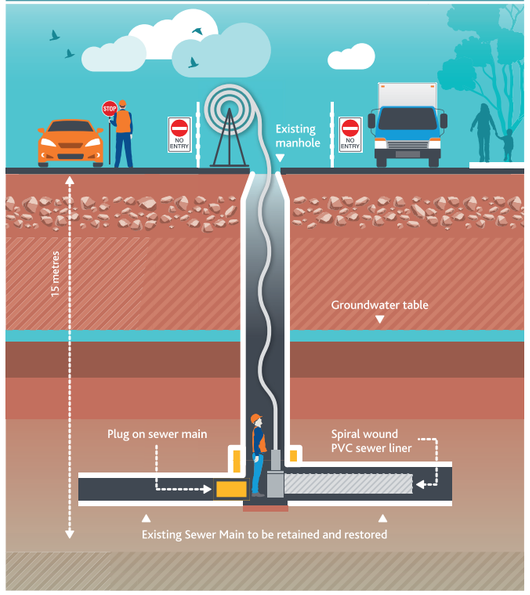
We will be using two methods of sewer relining to upgrade the existing sewer pipe. Relining is a trenchless method of repairing damaged sewer pipes that minimises impacts on the local community as it means we do not need to dig up the pipe to repair it.

The first method of relining involves dropping a machine down an existing manhole to coat the inside of the sewer pipe with a PVC liner. The machine moves along the sewer unwinding the liner and sticking it to the walls of the existing sewer. Once complete, grout is used to fill any gaps.

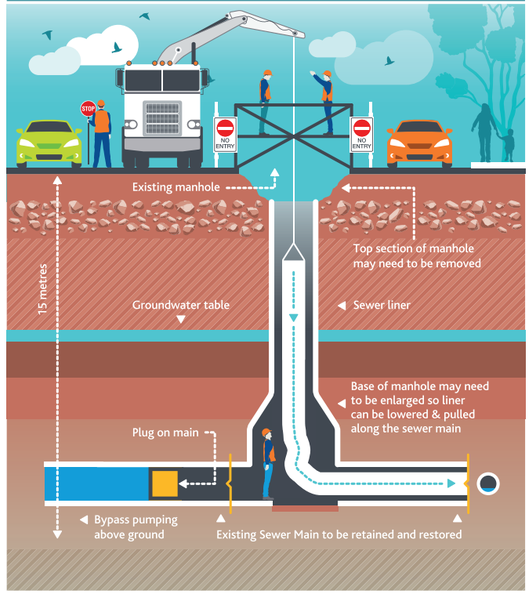
The second method of relining involves accessing an existing upstream manhole and running a liner from this manhole to one located downstream. The liner is then expanded to match the size of the sewer pipe and cured using UV light. The liner, once hardened, will strengthen the sewer, allowing it to provide many more years of service.

The images below provide a representation of the two methods of relining.

TRENCHLESS TECHNOLOGY METHOD 1 - Spiral wound-in-place sewer liner



TRENCHLESS TECHNOLOGY METHOD 2 - PVC sewer liner rehabilitation



Bypass pumping - no disruptions to your sewerage service

We will keep your sewerage service operating during the works by installing a bypass pumping system.

Bypass pumping involves connecting a temporary pipe to an upstream manhole and diverting the flows to another manhole located further downstream. This leaves a section of the sewer with no flows running through it, making it safe to complete rehabilitation works.

Bypass pumping will be carried out in sections and will involve running temporary pipes above and below ground. We will place fencing around any above ground pipes to ensure the safety of the community.

Bypass pumping will be carried out 24 hours a day 7 days a week to support the relining works.

There will be some noise and odour associated with the bypass pumping as generators are used to operate the pumps. We will minimise these impacts as much as practicable.

Project Map