



North Yarra Main Sewer Rehabilitation Project Community Bulletin - April 2023

Why this project is important

In Melbourne, a safe, clean and healthy environment is essential to our way of life.

The North Yarra Main (NYM) Sewer transports sewage from Melbourne's north-east to the Western Treatment Plant. The sewer was constructed in the early 1900s, and some sections are coming to the end of their working life. That's why at Melbourne Water, we will be relining the sewer to ensure a safe sewerage service for local homes and businesses today, tomorrow and for generations to come.

When are works happening?

In July 2023 we will begin major construction works to rehabilitate approximately 1.8kms of sewer along the northern side of the Yarra River from Heidelberg to Yarra Flats in Ivanhoe East, refer to Upper Section on map.

STEPS OF A SEWER RELINING PROJECT



These are the steps we need to take to reline the sewer:

STEP 1 - CLEANING

Before any relining works can commence, the sewer must be cleaned and scanned to assess the condition. This will involve removing maintenance hole ladders to ensure the equipment can be safely lowered into the sewer pipe. Some cutting of the road and concrete will also be needed to set up the equipment above the maintenance holes.

STEP 2 - RELINING

This stage will involve relining the sewer using the selected relining method. Further information will be provided on the planned approach for different locations in the coming months.

STEP 3 - REINSTATEMENT

We'll reinstate road and concrete surfaces surrounding each maintenance hole to their pre-existing condition or similar where required.

PROJECT TIMELINES



The rehabilitation of the sewer will occur across three separate projects;

Priority Works – Ivanhoe Golf Course



February 2023

Functional design complete



March 2023

Tender and Award for Construction



July-October 2023

Construction Period

Upper Sections - Darebin Street, Heidelberg to Yarra Flats Park, Ivanhoe East (1.8kms)



March 2023

Functional design complete



June 2023

Tender and Award for Construction



July 2023-June 2024

Construction Period

The lower section of the NYM sewer from Yarra Flats Park, Ivanhoe East to Farm Rd, Alphington (3.5km) will be relined as part of a later project planned for 2024/2025.

No interruptions

There will be no interruption to your water or sewage services during our works. If you experience any issues with your sewerage service, contact your water retailer Yarra Valley Water on 13 27 62.

Interesting Fact

These sewers are part of Melbourne Water's 400km network of underground pipes and tunnels, which safely transfer over 320,000 million litres of sewage to our treatment plants each year.

What to expect

As a guide, we have listed a number of potential impacts that you may notice during major construction works:

- **Night works** are required for some of the relining works when sewage flows and traffic flows are at their lowest.
- **Noise:** There will be a short-term increase in noise in the area, but we will do as much as possible to reduce the construction noise. We will monitor noise and dust levels throughout works to ensure they don't exceed Environmental Performance Agency thresholds.
- **Odour:** Some odour is expected when carrying out the works due to harmless gases escaping from the maintenance holes when they are opened. We aim to minimise and localise this as much as possible.
- **Traffic, parking, cyclists and pedestrians:** There will be temporary changes to traffic conditions, including lane closures, road closures and parking restrictions. Some work will occur within sports fields, parks and reserves. For your safety work areas will be fenced, restricting access, while work is being completed. We encourage you to follow all directions and take care around work areas.
- **Access to private properties:** In some areas the sewer is within, an easement on private properties. Where access is required we will engage with property owners to make arrangements well in advance of works. If access tracks are required the area will be reinstated to its original condition at the end of works.
- **Cultural Heritage:** Cultural Heritage conservation is an important part of valuing and preserving our traditions and culture. Melbourne Water will comply with the Heritage Act for the delivery of each section of the works and engage with traditional owners through out the project.
- **Environment:** To safely access maintenance holes there will be some instances where trees and vegetation need to be trimmed or removed.

We will make every effort to minimise the impact of these works on the local community and the environment, and work with Banyule City Council and Parks Victoria to replant native trees in the local area.

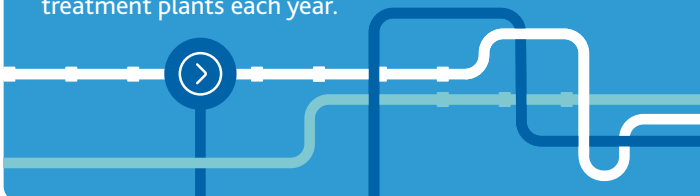
Thank you for your understanding and patience during these essential works.

When are we working?

Works will be undertaken between:

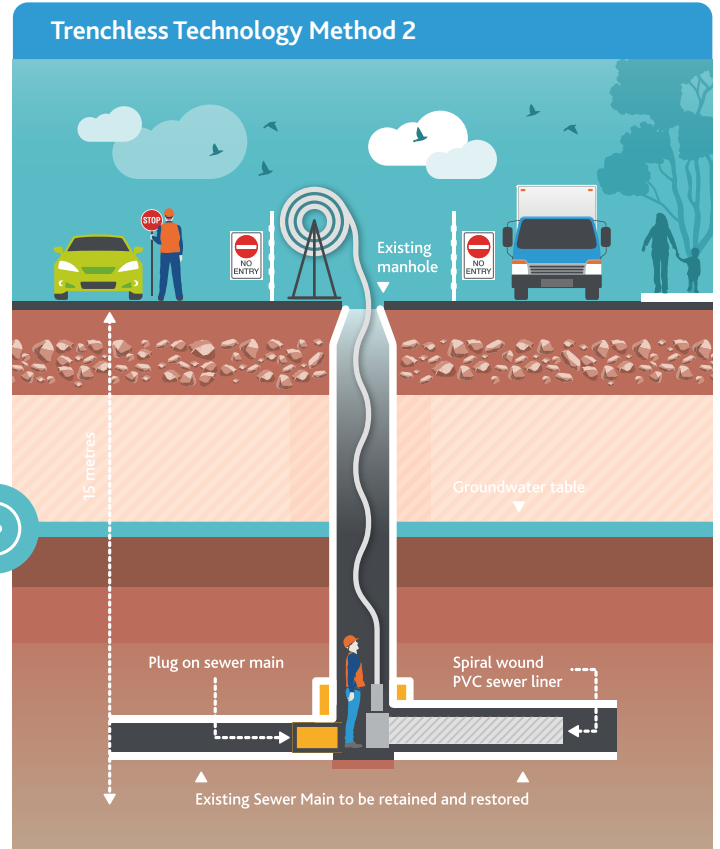
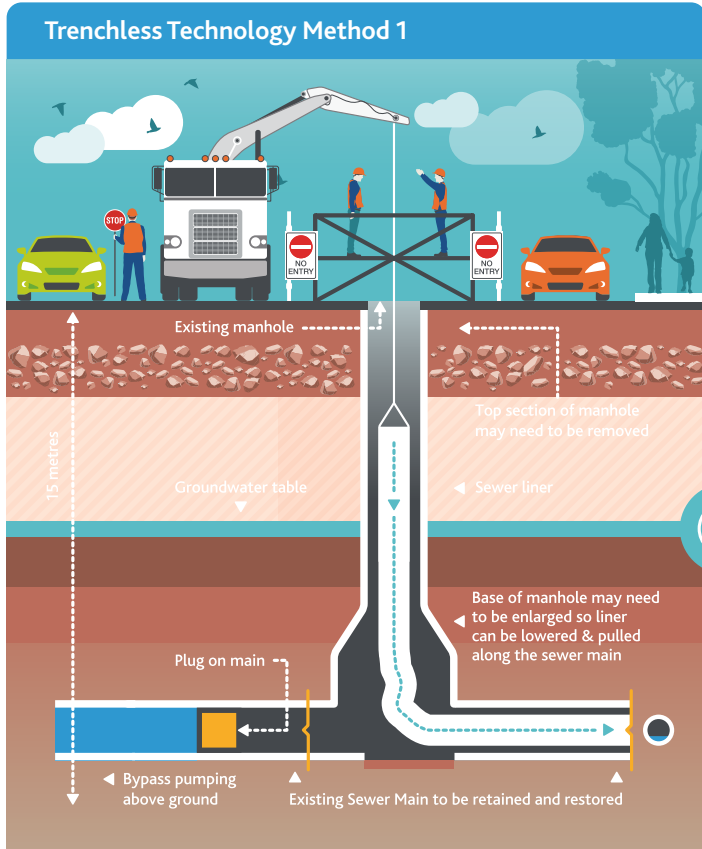
- **Night works:** 9 pm to 7 am, Sunday to Thursday
- **Day works:** 7 am to 6 pm, Monday to Friday
- **Weekend hours:** 9 am to 3 pm Saturdays (if required)

On occasions we may need to undertake works out of hours. We will notify you in advance if these works are required. The timings of these works may change depending on weather.



What the relining works involve

The sewer relining will occur progressively in sections, using two techniques: Cured In Place Pipe (CIPP) and Spiral Wound In Place Liner processes. Works will be staged, and residents and businesses notified before and after completing each section.



Cured In Place Pipe (CIPP) Process

Cured in Place Pipe (CIPP) will be used to reline the ovoid sections of the sewer. This involves running a liner from an existing upstream maintenance hole 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.

This approach is typically started at night and requires 24-hour continuous works to complete.

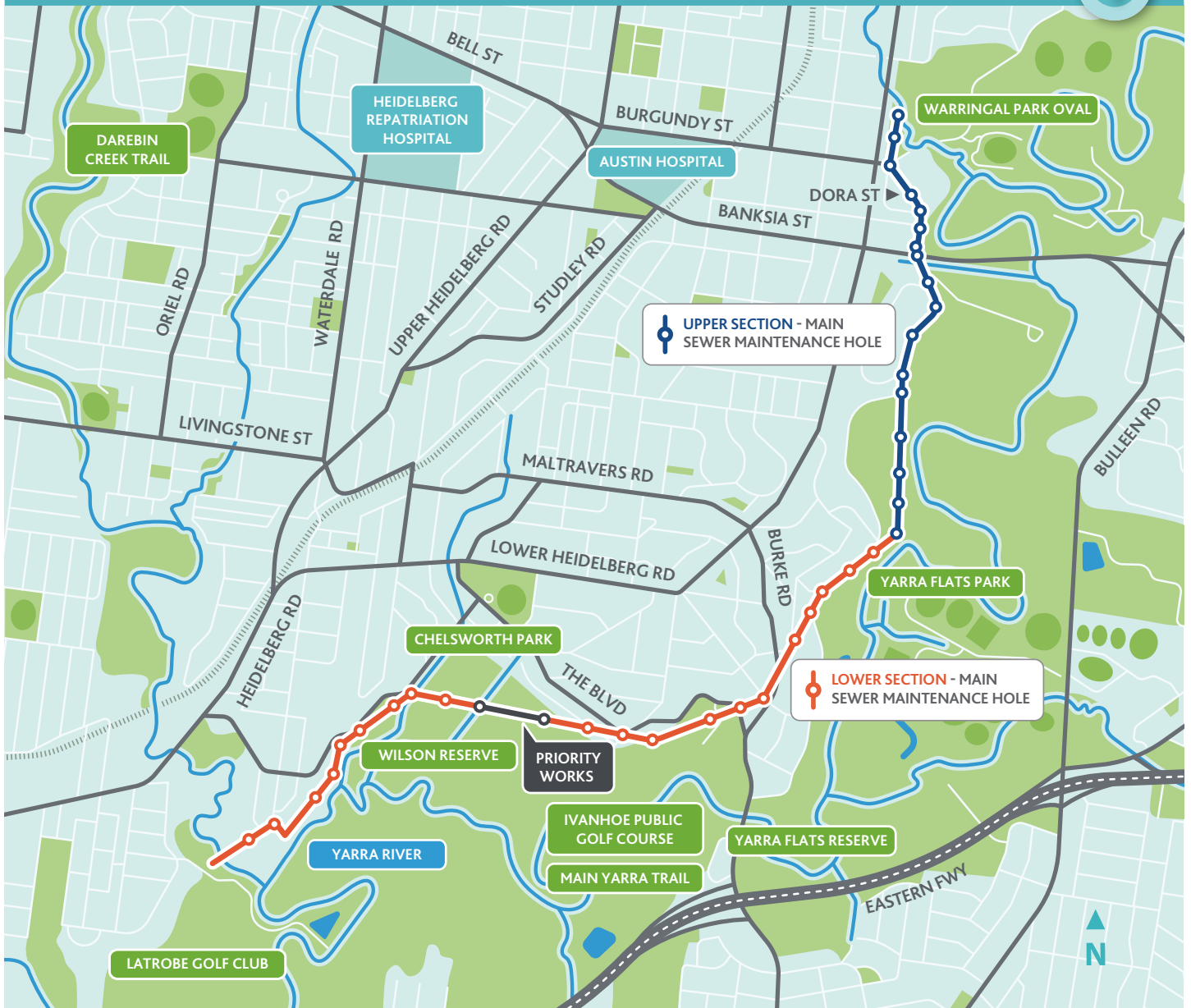
Spiral Wound-In-Place-Liner

Spiral wound-in-place-liner will be predominately used for the sections of concrete-lined pipes. This involves dropping a machine down an existing maintenance hole to coat inside 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 may be used to fill any gaps.

This approach is generally undertaken during the day and will not require 24-hour continuous works.



PROJECT OVERVIEW



We will make every effort to minimise the impact of these works on the local community and the environment, and thank you for your patience. Melbourne Water is committed to transforming our sewerage system so we can best manage and treat our city's sewage and ensure the health of our environment, our communities and our families.

MORE INFORMATION

If you would like more information about the North Yarra Main Sewer Rehabilitation projects, contact the project team at:

- 1800 725 892
- nym@melbournewater.com.au
- www.melbournewater.com.au/nym

Scan the QR code below for current project information



To access the TTY and Interpreter Services: TTY 133 677
Interpreter: 131 450

