

# Maribyrnong River Main Sewer Upgrade Community Update December 2018

The Maribyrnong River Main (MRM) sewer is one of the main sewers in Melbourne Water's 400 kilometre network. Each day, it transports approximately 24 million litres of sewage from 36,000 properties in the north western suburbs of Melbourne to the Western Treatment Plant in Werribee.

To ensure the community continues to be provided with a secure and reliable sewerage service, Melbourne Water is upgrading 7.2 kilometres of the MRM sewer in Avondale Heights, Essendon West and Aberfeldie.

The project commenced in August 2018 and works will be undertaken in stages, reaching completion in mid-2020.

**There will be no impacts or interruptions to your water or sewerage services throughout the works.**

## Current progress – Stage 1

The first stage of the project is from Canning Reserve in Avondale Heights to Steele Creek Reserve in Essendon West (see map overleaf).

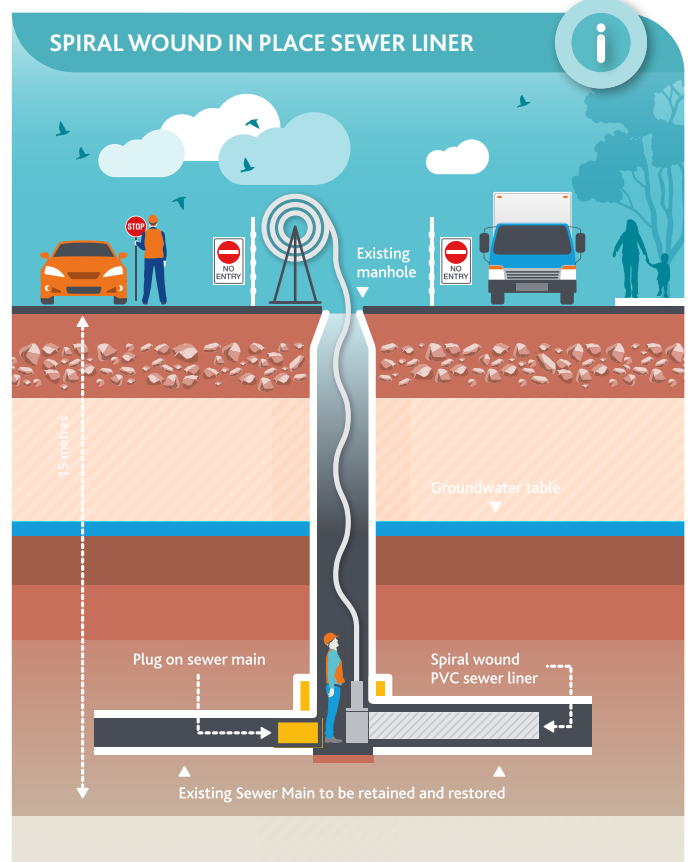
## August – December 2018:

- Our main site office is located at Canning Reserve near the sports oval. Other smaller site offices are located at Thompson Street Reserve and other parkland reserve areas including Steele Creek Reserve
- A temporary sewer bypass pipeline has been installed from Canning Reserve to Steele Creek Reserve to allow local sewerage services to keep operating at all times

## December 2018 – April 2019:

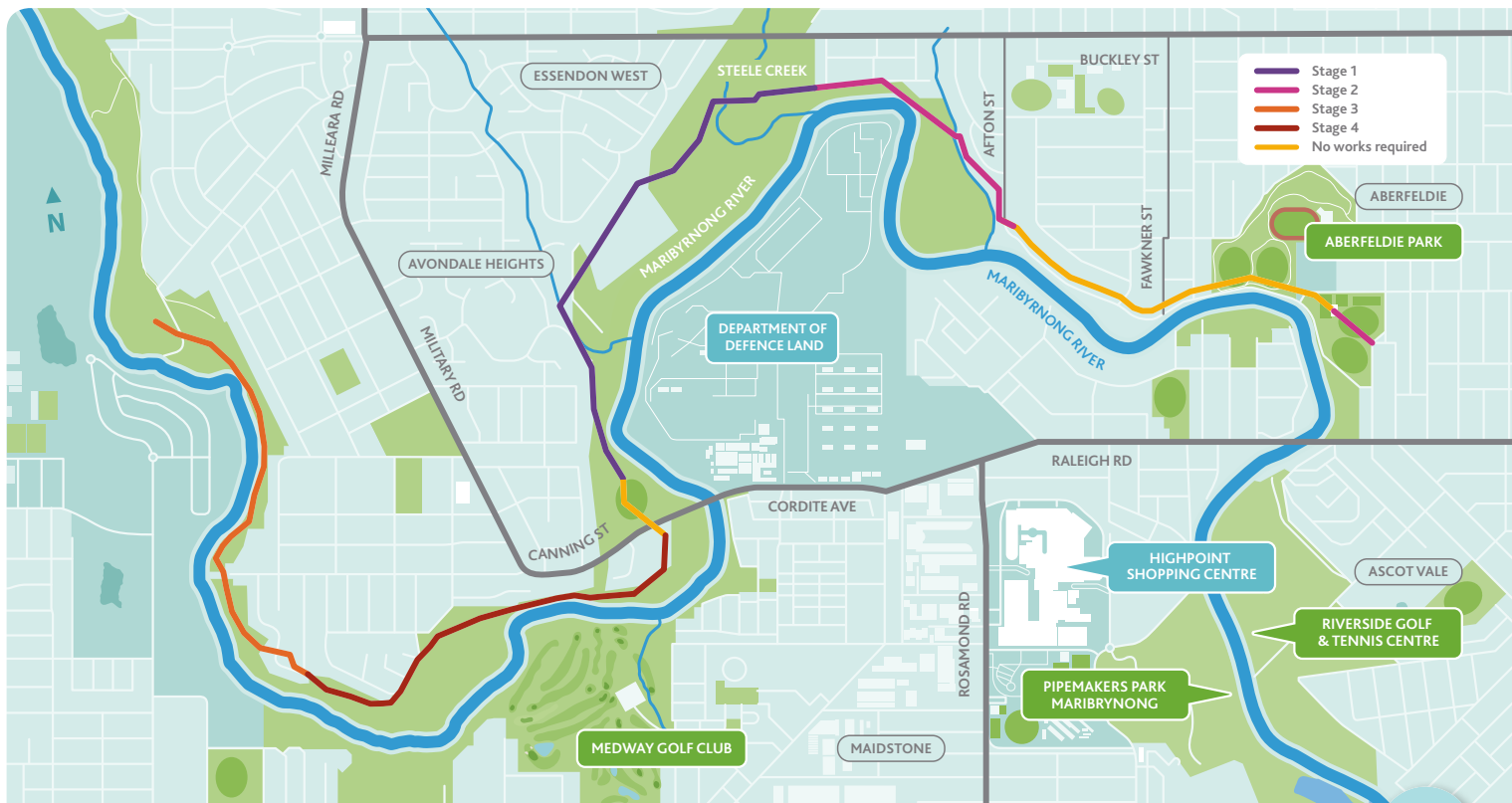
- Cleaning and relining the sewer by accessing existing manholes
- Reinstating areas affected by our works

*No works will be undertaken over the Christmas period from 21 December 2018 to 6 January 2019.*



The technique we are using to upgrade the sewer is called 'relining'. This involves unwinding the relining material as a flat strip from a spool at the top of the manhole. The new plastic sleeve is wound into place, lining the inside of the existing sewer pipe. The gap between the existing pipe and new liner is then filled with cement (called grouting).

Being a trenchless technology, relining is the best way to repair ageing or damaged sewer pipes as it means we do not need to dig up the pipe, minimising impacts on the local environment and the community. This work is usually performed by accessing existing manholes.



## PROJECT TIMELINE



Stakeholder and community consultation and communication

### Stage 1: Canning Reserve (Avondale Heights) to Steele Creek Reserve (Essendon West)

- Installation of temporary above-ground sewer bypass pipeline – September to December 2018
- Sewer cleaning and relining – December 2018 to April 2019

### Stage 2: Steele Creek Reserve to Smiley Crescent Reserve (Essendon West)

- Installation of temporary above-ground sewer bypass pipeline – February 2019
- Sewer cleaning and relining – March 2019 to August 2019

### Stage 3: Thompson Street Reserve to end of Rhonda Street (Avondale Heights)

- Installation of temporary above-ground sewer bypass pipeline – January 2019
- Construction of access tracks – January 2019 to mid-2019
- Sewer cleaning and relining – June 2019 to November 2019

### Stage 4: End of Rhonda Street to Canning Street Reserve (Avondale Heights)

- Installation of temporary above-ground sewer bypass pipeline – March 2019
- Construction of access tracks – April 2019 to June 2019
- Sewer cleaning and relining – October 2019 to mid-2020

### Project completion

Mid-2020

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

## What to expect during the works



### Working hours

Construction works will take place from 7am to 6pm Monday to Friday, and 7am to 3.30pm Saturdays. Residents will be advised if works are necessary outside of these hours.

### Location of works

The majority of works will take place around existing manholes, moving progressively along the sewer alignment from manhole to manhole. We will be working hard to complete the project as quickly and efficiently as possible; multiple work crews will be undertaking activities in a number of different areas at once.

We will be accessing each sewer manhole multiple times to complete the upgrade works and will need to work across a number of different areas at one time, but will not be in any given location for the entire duration of the project.

### Noise and vibration

Some noise and vibration is expected during construction from trucks, machinery, and reversing beepers. We are reducing these disruptions by working only during the day. The generators and pumps for the sewer bypass pipelines have been fitted with noise reducing barriers and are not expected to be disruptive to our neighbours.

### Odour

You may notice some odour when manholes are opened and the sewer is being cleaned.

### Impacts on local traffic and streets

There will be some minor changes to traffic conditions, including car park closures, lane closures, speed limit reductions and some street closures while we work on local roads.

### Affected streets will include:

- Browning Crescent, Avondale Heights
- Karen Court, Avondale Heights
- Brentwood Drive, Avondale Heights
- Barbara Crescent, Avondale Heights
- Rhonda Street, Avondale Heights
- Prospect Street, Essendon West
- Orford Street, Moonee Ponds

Detour arrangements, signage and traffic controllers will be in place to manage traffic flow and ensure motorists, cyclists and pedestrians are able to safely navigate around our work areas.

We will provide more information, including exact timing of planned activities, changes to traffic, access and parking conditions prior to starting works at each location.



## Maribyrnong River Trail – temporary changes to access

There may be reduced access to the Maribyrnong River Trail in some locations for short periods while we install the sewer bypass pipelines.

Temporary diversions will be in place around our construction areas to ensure public safety. Signed detours will be in place along with traffic controllers to ensure cyclists and pedestrians are able to safely navigate around our work areas.

In sections where the pipe needs to cross over the trail, we will set up ramps to maintain access for path users. Signs will identify where cyclists will need to dismount and walk their bikes over the ramps.





## Access tracks to manholes

Some manholes are located in areas of steep and difficult terrain; these can be up to 40 metres deep (equivalent to the height of a 15 storey building).

We are creating access tracks for construction vehicles and machinery so we can safely get to the manholes to complete the works. This requires significant earthworks in some areas due to the landscape. Some of these access tracks will remain in place after works are complete to enable ongoing maintenance activities to be performed safely into the future.

## Sewer bypass pipelines

You may notice lengths of black pipe on the ground in various areas, including next to the Maribyrnong River Trail. These are our sewer bypass pipelines which are set up for each stage of the project to allow local sewerage services to continue operating at all times while the sewer upgrade works are underway. Some of these will be several kilometres in length and will be progressively removed as each stage of the project is completed. Pumps and generators will be set up at one end of the bypass pipeline to manage the sewage flows.



## Respecting the landscape

We are working closely with Moonee Valley City Council, Parks Victoria, Wurundjeri Land Council and environmental community groups to manage the works and to ensure the significant cultural heritage and ecological values of the local area are protected.

The project has been carefully designed to avoid as many trees and shrubs where possible. Unfortunately not all vegetation can be avoided. In some areas, we will need to remove small and medium sized trees, shrubs and grasses to undertake the works.

After the works have been completed, we will replace all vegetation that was removed by re-planting in the local area, and rehabilitate disturbed areas in accordance with revegetation and reinstatement plans approved by Moonee Valley City Council and Parks Victoria.

Other areas affected by our works will be restored to their original level of amenity or similar condition, and inspected by Moonee Valley City Council.

### MORE INFORMATION



We will continue to maintain contact with directly affected residents and businesses through notifications and door knocks to ensure you are informed prior to upcoming work.

To keep you up to date with what we're doing, how the work is progressing and when we'll be in your area, we'll also provide web updates and community bulletins. If you wish to receive email updates, please contact the project team to subscribe to our email distribution list.

Contact the Maribyrnong River Main Sewer upgrade project team: Phone 1800 027 517 or email [MRM@melbournewater.com.au](mailto:MRM@melbournewater.com.au)

For updates, visit our website [www.melbournewater.com.au/MRM](http://www.melbournewater.com.au/MRM)



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