



Diverting the North Yarra Main Sewer

Construction has started on the West Gate Tunnel Project. Before tunnelling starts in 2019, a 600 metre section of sewer needs to be diverted.

The 100 year old brick-lined North Yarra Main Sewer runs below the centre of Whitehall Street in Footscray and Yarraville. It's a vital piece of infrastructure carrying 20 per cent of Melbourne's sewage.

Diverting the sewer will protect it from tunnelling and prevent disruptions to sewerage services across Melbourne's north and west.

Starting in June 2018, diversion works will take up to 12 months and will involve excavation, piling, boring and temporary changes to traffic.

Quick Facts

2.6m

The North Yarra Main Sewer is **2.6 metres in diameter**

20%

of Melbourne's sewerage is carried through this sewer

600m

section of the sewer will be diverted

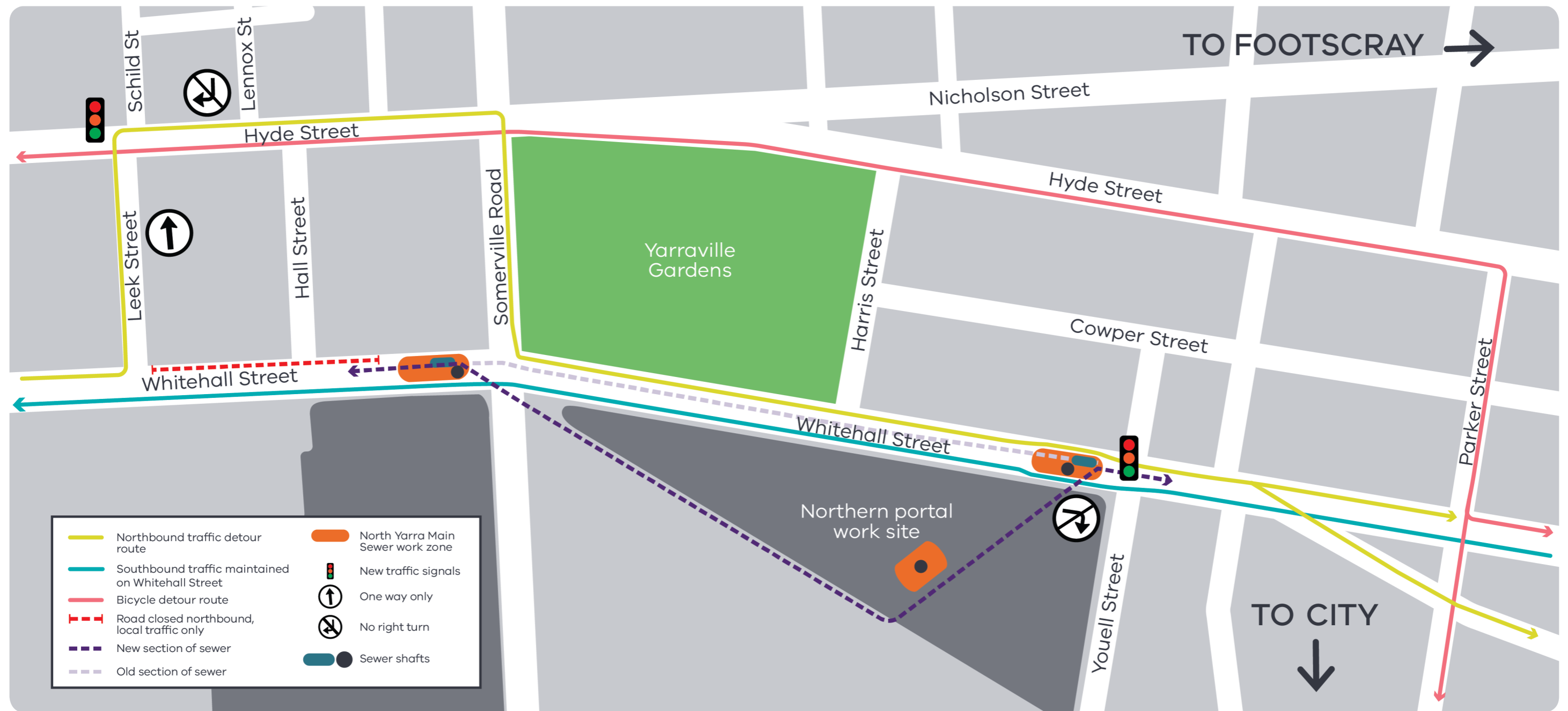
13-15 metres

The North Yarra Main Sewer is located **13-15 metres** below the ground



The South Yarra Main Sewer being relocated for the Metro Tunnel Project.

Travelling on Whitehall Street during works



Program of works



Traffic monitoring and management

Monitoring of local traffic and truck curfews will be increased during the sewer diversion works. We are:

- working with VicRoads to support increased surveillance
- working with the freight industry on truck driver education
- installing roadside technology on Hyde Street to monitor truck curfew compliance
- installing additional signage
- reporting any speeding or safety issues to Victoria Police.

Roadside technology – called a TIRTL and HARE – has been installed on Hyde Street to count, classify and photograph trucks using the road. Data captured will go to VicRoads for investigation and to inform their surveillance schedule.

Four additional CCTV cameras have also been installed along Hyde Street and Somerville Road. These cameras will deliver a live-feed to VicRoads for real time traffic monitoring and to help manage traffic flow through the broader area.

We will have traffic controllers on the ground to monitor traffic, respond to incidents and alter traffic management as needed to maintain traffic flow, safety and access.

Diverting the sewer

Five deep access shafts will be built to launch and retrieve a mini tunnel boring machine (TBM) that will dig the new section of sewer:

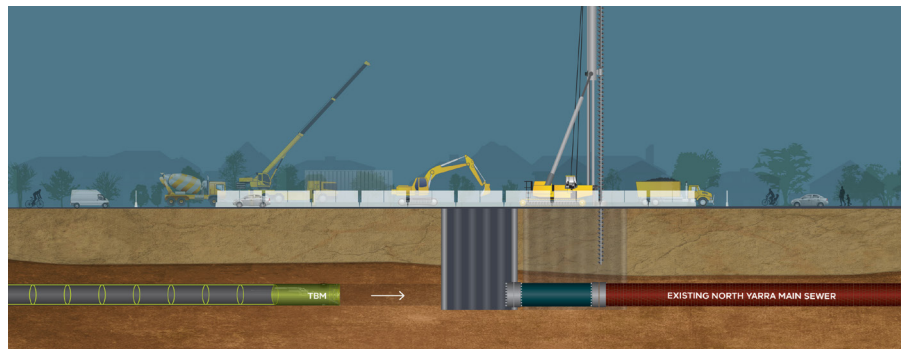
- One shaft will be built within the project's existing northern portal work site on Whitehall Street.
- Two shafts will be built near the corner of Somerville Road and Whitehall Street, one of which sits directly above the existing sewer.
- Two shafts will be built near the corner of Youell Street and Whitehall Street, one of which sits directly above the existing sewer.

The mini TBM will be lowered into the launch shaft at the

northern portal work site and will first travel towards one of the shafts on the corner of Somerville Road and Whitehall Street, where it will be retrieved from the ground.

The mini TBM will then be brought back to the northern portal work site and lowered back into the launch shaft, where it will then travel towards one of the shafts near the corner of Youell Street and Whitehall Street. The mini TBM will then be retrieved from this shaft and disassembled.

Sewer pipes will be installed one at a time behind the mini TBM as it tunnels through the ground, continually pushing it forward – a process called 'pipe jacking'. These pipes will become the new section of the sewer.



Building the new sewer under Whitehall Street.

Contact us

Do you have a question about the project? If you need more information or would like to provide feedback, please get in touch.

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