

Works notification

16 December 2022

Elizabeth Street Sewer Upgrade Project

To cater for growth in Melbourne's CBD, Greater Western Water will construct a new sewer in Elizabeth Street between Lonsdale and Victoria Streets. The project will be delivered for Greater Western Water by Rob Carr Pty Ltd, with construction planned to commence in early 2023.

This notification provides an overview of the project's site locations, construction methodology and what you can expect during works. Regular updates and localised information will be distributed throughout the project.

Works at each site will involve:

Site establishment

- Completing condition surveys of the areas adjacent to shaft locations, including the exteriors of buildings
- Installing site fencing, protective barriers and traffic management signage
- Deliveries of plant, equipment and site facilities
- Some of these activities have to occur at night to minimise impacts to tram services, pedestrians and commuters
- This is expected to take up to two weeks for each site.

Shaft excavation

- Removal of the road surface, involving use of saw cutting equipment. This may generate periods of loud noise
- Using an excavator with a telescopic arm to remove material from the shaft location, and removing material from site on trucks
- Spraying and pouring concrete to line and reinforce the excavation and installing struts and a concrete

capping beam to complete the temporary shaft

- Most activities will occur during day shift however each site will require up to one week of night works (week nights only). Shaft construction will take around three weeks at each site.

Tunnelling

- A micro tunnel boring machine (TBM) will be used to excavate the ground and install the pieces of pipe (a methodology called pipe jacking) that will form the new sewer
- Tunnelling must occur continuously (24/7) to ensure the structural integrity of the excavation
- Excavated material will be pumped into storage tanks on site, and removed during day shift using non-destructive digging (NDD) trucks
- Tunnelling will be completed in sections between sites and take a total of around five months
- Once tunnelling is complete, temporary concrete structures inside the shafts will be removed, involving jackhammering.



Project timeline (2023)

Maintenance hole construction

- Precast (or pre-made) maintenance hole units will be delivered to site on large trucks
- The maintenance holes will be lifted into the shaft using a mobile crane, grouted into place, and fitted out with services
- Backfilling the shaft around the manhole
- This is expected to take around two weeks at each site.

Reinstatement

- Demobilising plant and equipment from site
- Demolition of the shaft capping beam, including the use of saw cutters and jackhammers
- Asphaltting to reinstate the road surface and installing replacement line marking
- Removing temporary traffic management signage and site fencing and barriers
- Reopening the work site area to traffic
- Reinstatement will take around one week per site.

Work will commence in early 2023 from the Lonsdale Street end of the project alignment. The timeline below shows the expected durations of each project worksite. A works reminder will be provided before construction starts in your area.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct
Site L1										
Site E1										
Site E2										
Site E3										
Site E4										
Site E5										
Site L2										

Dates are indicative only and subject to change

Where we are working



What to expect

- While every effort will be made to undertake construction during day shift, some activities must be completed at night (see the front page for more information). Large deliveries will also occur at night to comply with permit requirements for over-sized vehicles.
- This work will not impact your sewerage or water supplies. You will receive advance notice of any planned disruptions related to this project.

Traffic impacts

- Various sections of the northbound lanes on Elizabeth Street (including on street parking) will be closed between Lonsdale and Victoria Streets. This will involve some changes at cross road intersections. There will be signage in place to direct vehicles through intersections and to detour routes.
- Lonsdale Street will be reduced to one westbound lane (between Elizabeth and Queen Streets) for approximately six months. There will be temporary changes to linemarking, signage and signals to direct vehicles and pedestrians through the area. This will not impact bus services on Lonsdale Street.
- The intersection of Little Lonsdale and Elizabeth Streets will be closed for around two weeks mid-year. During this period, traffic flow on Sutherland Street will be reversed to allow vehicles to exit Little Lonsdale Street onto La Trobe Street. More information will be provided before these works occur.
- There will be temporary loading bays for delivery vehicles, refuse collection and emergency services to access businesses on the west side of Elizabeth Street in the locations shown on the map. These spaces can be accessed via U-turn from the southbound lanes on Elizabeth Street. Traffic controllers will be on site to assist delivery, refuse and emergency service vehicles entering and exiting the area.

Want more information?

We will distribute notifications throughout the project and update our website regularly with construction information and fact sheets. We will also share details of information sessions and other events to be held during 2023 on the website, by email and in notifications.

For more information or to subscribe to email updates, scan the QR code or visit **<https://yoursay.gww.com.au/elizabeth-st>**

If you have any questions or concerns, please contact:

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