



Elizabeth Street Sewer Upgrade

Project update
20 June 2023



Acknowledgement of Country

The Elizabeth Street Sewer Upgrade team acknowledges the Wurundjeri People as the Traditional Owners of the land in which the Elizabeth Street Sewer Upgrade project is being constructed. We pay our respects to the Elders of the past, present and future, and acknowledge their ongoing spiritual connection to Country.

Thank you for joining us today

Introductions and a few notes on housekeeping:

- Please remain on mute unless asking a question. This will help us to minimise background noise
- You are welcome to use the 'raise hand' or chat function to ask questions during the presentation. There will also be opportunities to unmute yourself to ask questions during, and following, the project update presentation
- The project team will provide a copy of the presentation slides to attendees by email. It will also be available on the website. We will also circulate a document outlining attendee questions and comments, and the project team's response
- If we take any questions on notice, we will provide a response by phone or email within one week of the session
- Please be respectful of others and their opinions by not interrupting someone who is speaking

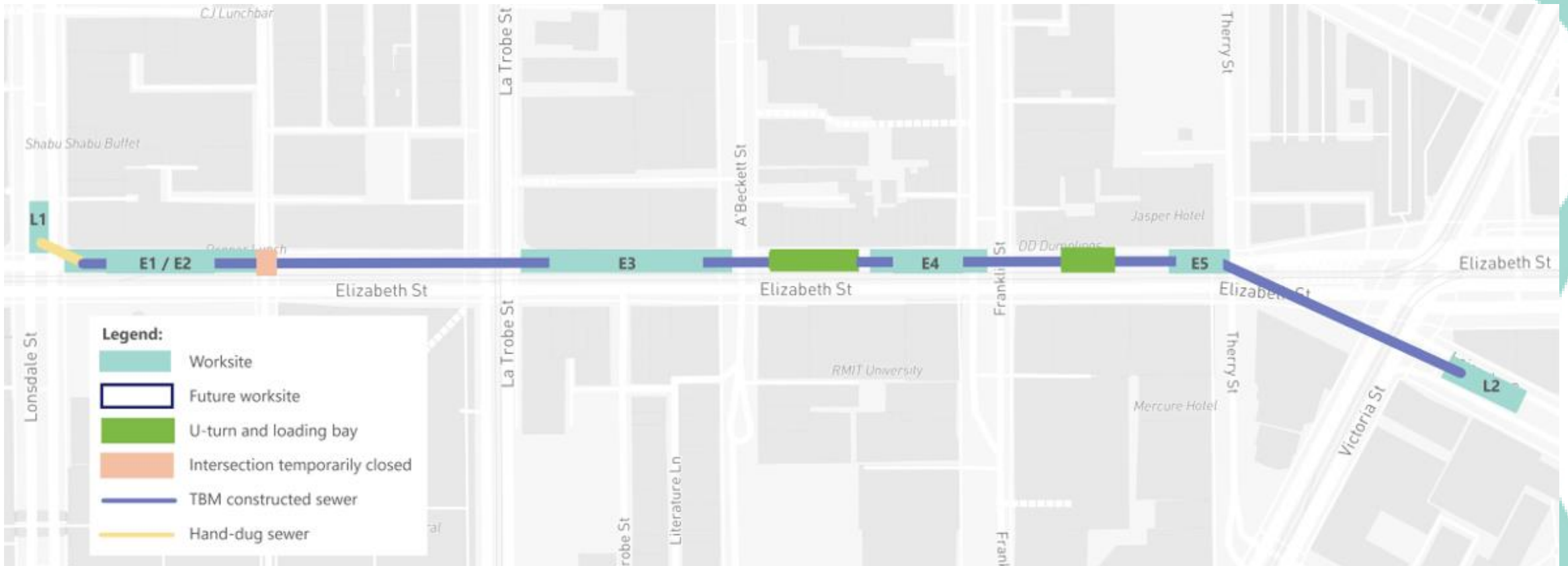
Elizabeth Street Sewer Upgrade

Project overview

- This is stage 3 of Greater Western Water's 4-Stage CBD Sewer Augmentation:
 - Stage 1: Spencer Street (completed in early 2019)
 - Stage 2: Lonsdale Street (completed in September 2021)
 - **Stage 3: Elizabeth Street (this project)**
 - Stage 4: Siddeley Street (timing TBC)
- Stage 3 involves:
 - Construction of 700m of new sewer beneath Elizabeth Street, between Lonsdale Street and Victoria Street
 - Construction of 7 shafts to support sewer construction and installation of maintenance hole units

Project work areas

Worksites and sewer alignment



Works update

Elizabeth Street, between Lonsdale and Little Lonsdale streets (site E1/E2)

- Site established in February and March
- Construction of both shafts complete (one at each end of site)
- Tunnel boring machine (TBM) delivered to site last week. Tunnelling to start this week
- 2-week closure of the intersection of Elizabeth Street and Little Lonsdale Street expected from late-September

Lonsdale Street (site L1)

- Site established in May
- Shaft excavation ongoing until late June
- Westbound bus stop temporarily relocated

Works update

Elizabeth Street, between La Trobe and A'Beckett streets (site E3)

- Site established on 5 June
- Shaft construction ongoing until early July

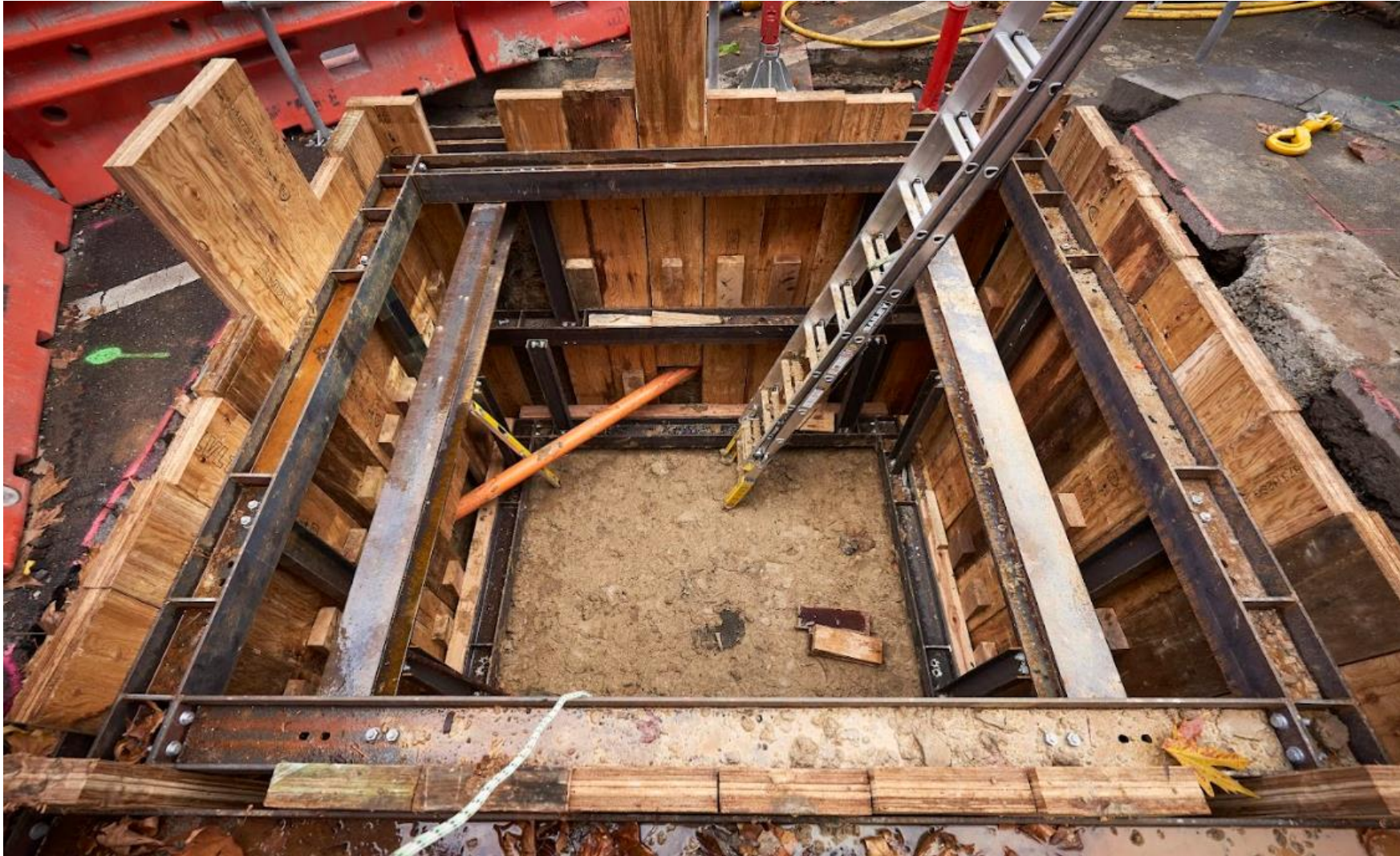
Elizabeth Street at Franklin Street (site E4)

- Works to commence excavation next to tram lines completed in early June
- Site establishment scheduled to commence in early-to-mid July

E1 site shaft



Shaft excavation on Lonsdale Street (L1)

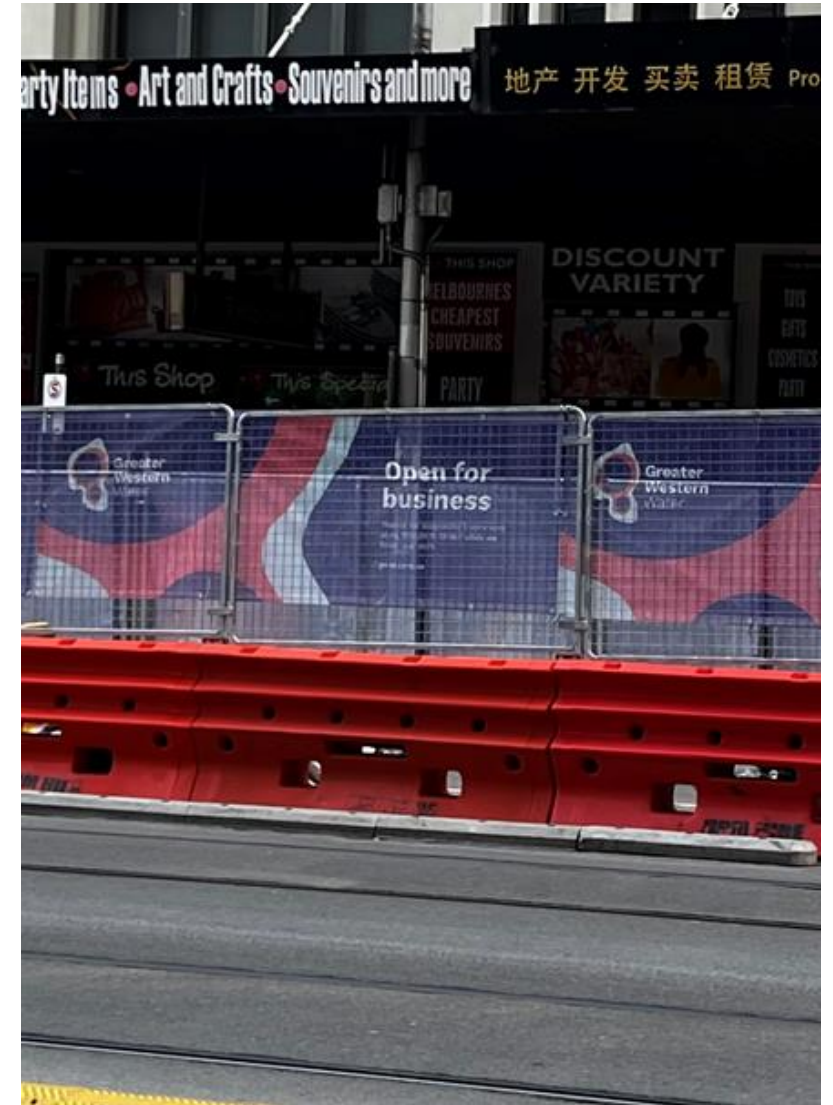


Historical finds beneath Lonsdale Street



How we're reducing impacts

- Early communications and engagement lead by the project team since 2021 to create project awareness
- Major works notification in December 2022 and doorknock to businesses directly adjacent to worksites
- Ongoing regular updates to project web page
- Responding to feedback, enquiries and complaints in a timely manner
- Developed custom 'open for business' shade cloth



How we're reducing impacts

- Working closely with other nearby construction projects to coordinate traffic arrangements and other impacts
- Early engagement with council and other stakeholders to design temporary traffic arrangements
- Completing work during day shift wherever possible to reduce noise impacts
- TBM tunnelling reduces open excavations and potential dust impacts

Project timeframes and milestones

- Tunnelling – from this week until mid-October
- Site establishment on Elizabeth Street at Franklin Street (site E4) – early-mid July
- Site establishment on Elizabeth Street at Therry Street (site E5) – mid-late July
- Site establishment on Leicester Street (site L2) – August
- 2-week closure of intersection of Elizabeth and Little Lonsdale streets – late September
- Demobilisation of some sites will start from mid-October
- Anticipated project completion – early December (TBC)

Tunnelling and our TBM

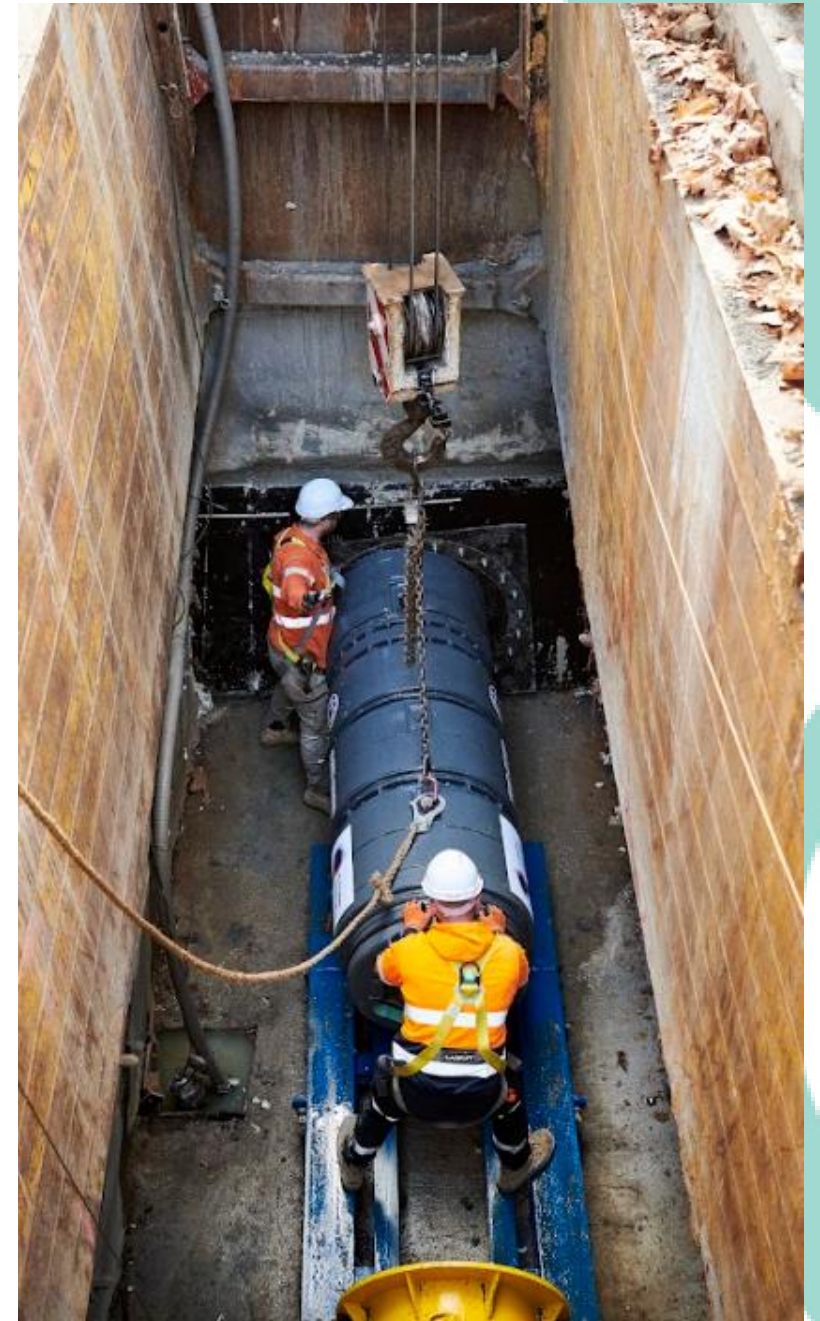
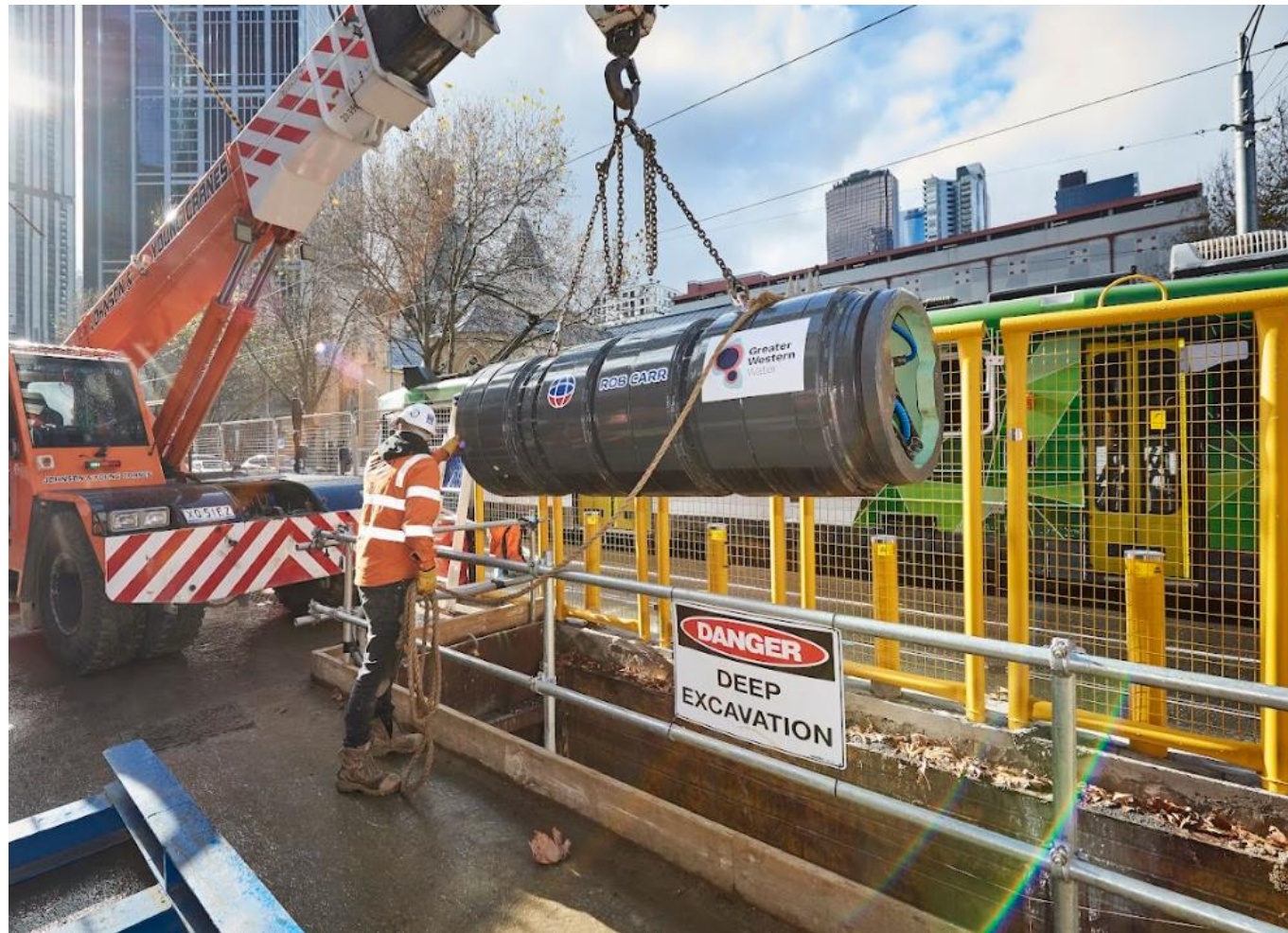
- Our micro tunnel boring machine is around 3m long and 80cm wide
- Most of the new sewer will be constructed using the TBM. It will excavate around 420 cubic metres of earth total
- The TBM will excavate a tunnel underground and install the pieces of pipe (called pipe jacking) to form the new sewer
- The TBM will tunnel in sections (drives), each taking around 2 weeks
- The TBM will travel around 12m per day
- The TBM is controlled and monitored from an above ground control room
- Noise and vibration from TBM tunnelling is minimal and is not expected to be noticeable at ground level
- The section of tunnel between L1 and E1 will be completed using hand held equipment

TBM arrival

14 June 2023



TBM arrival



How we keep you updated

- Notifications (letter drops and emails) to confirm site establishment dates for remaining sites (E4, E5 & L1), and in advance of the Little Lonsdale Street intersection closure
- Project updates for key milestones (letter drops and emails)
- Ongoing updates to webpage: **yoursay.gww.com.au/elizabeth-st**
- What else would you like to see from the project team?
 - Frequency of community meetings?
 - A different format (i.e., in-person drop-in session)?
 - Do you have any other feedback for us?

Your questions

Thank you

yoursay.gww.com.au/elizabeth-st

