

Construction of an air intake shaft at Tunnel Site C

What we're doing

From Monday 3 August, we'll start the construction of an air intake shaft in the Rozelle Rail Yards. This work will involve 12 months of excavation and construction activities.

The air intake shaft will be situated opposite Easton Park, as shown on the map below, and will eventually be used to **draw fresh air into the ventilation tunnels underground**. No air from inside the tunnels will exit via this shaft once the tunnels are operational.

In its final state, a small ventilation intake building will remain above ground at approximately 6 metres high and 6 meters in diameter. It will be composed of timber-resin cladding with stainless steel cables for plant climbers. The structure will blend in with surrounding vegetation.

What's involved

Work to construct the shaft will be carried out in our site during standard construction hours from Monday to Friday, 7am to 6pm and Saturdays, 8am to 6pm.

To build the shaft, we'll first need to excavate an area that is approximately 47 metres deep (connecting to the ventilation tunnel in this location) and 13.5 metres wide. Excavation work is carried out in three stages, with the indicative construction program provided below:

- Piling: August 2020 to November 2020
- Soft soil excavation: November 2020 to December 2020
- Rock excavation (high noise work activity): January 2021 to June 2021

Equipment used for our work includes, but is not limited to, piling rigs, rock hammers, rock saws, excavators, jack hammers, concrete booms, cranes, light and heavy vehicles.

Once the area has been excavated, we'll construct the ventilation intake building that will eventually be approximately 6 metres high. While work to construct the building is expected to generate some noise, the majority of high noise work will be during the initial 12-month excavation period, particularly during rock excavation.

When

From Monday 3 August for approximately 12 months

Hours of operation

Monday to Friday, 7am to 6pm

Saturdays 8am to 6pm

Where

Tunnel Site C within the Rozelle Rail Yards, opposite Easton Park

We speak your language



Need an interpreter?
Call the Translating and Interpreting Service on **131 450**.

Notification No. 133

How we're limiting the impact on you

Every effort will be made to limit the impact by:

- constructing the shaft during standard construction hours of Monday to Friday 7am to 6pm and Saturdays 8am to 6pm (no night work)
- adhering to respite breaks during high noise work activities such as rock hammering (one hour break every three hours). High noise work activities will be undertaken between 8am-11am, 12pm-3pm and 4pm-6pm Monday to Friday and 8am-11pm and 12pm-1pm on Saturdays. Please note, piling is not considered a high noise impact activity and may be carried out outside these hours
- using non-tonal reversing or movement beepers on plant and equipment
- using construction methods that reduce the noise and vibration impacts to nearby residents, where possible. For instance, by using bored piling instead of impact or percussion piling which generates a higher noise and vibration impacts
- turning off equipment and vehicles when not in use
- taking excavated material to the acoustic shed and removing it from the Rozelle Rail Yards site using trucks via the entrances at City-West Link and Sommerville Road
- reminding staff about appropriate worker behaviour at pre-start work meetings.

If you have an enquiry or complaint about this work, please contact toll free **1800 660 248** and ask to speak to a member of the Rozelle Interchange team or email info@rozelleinterchange.com.au.

Location of air intake shaft at Tunnel Site C

