



# Powering Sydney's Future

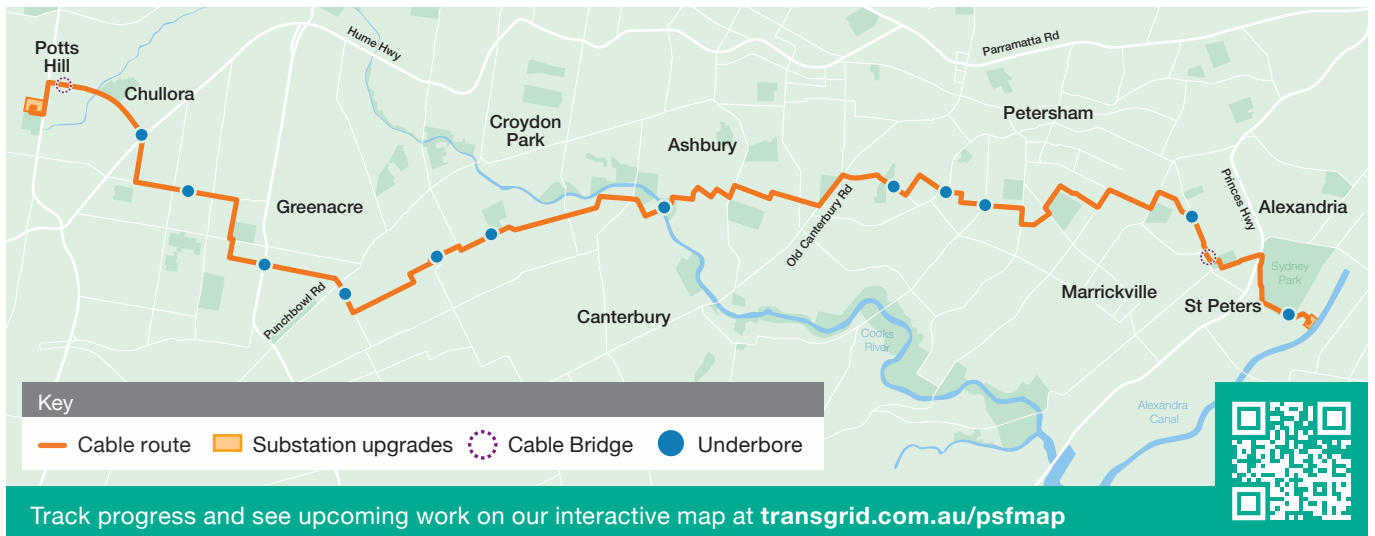
## POTTS HILL TO ALEXANDRIA TRANSMISSION CABLE PROJECT

Work is nearing completion on a new 20 kilometre underground cable to help ensure a safe, reliable electricity supply for Sydney's CBD and surrounding areas.

TransGrid's Powering Sydney's Future project will deliver a new underground electricity cable between Potts Hill and Alexandria, along with upgrades to three substations, to help meet the city's future energy needs.

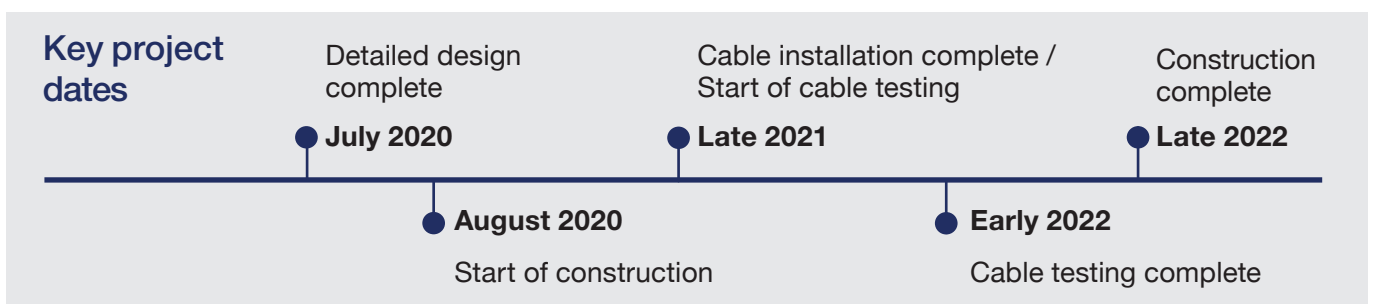
The 330kV cable will replace 50 year old cables which are reaching the end of their serviceable life. As well as helping to secure a reliable power supply, the project has created 140 jobs during construction.

### Cable route



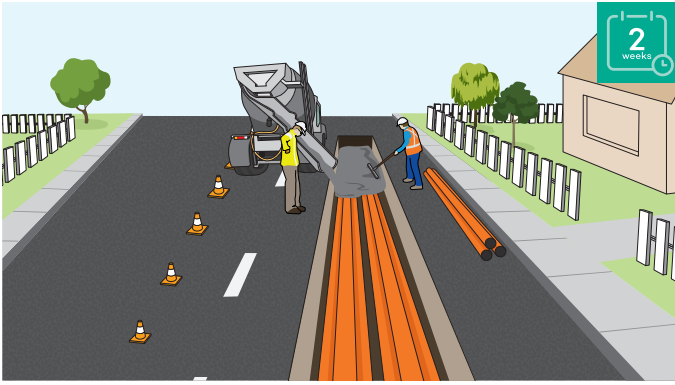
### What the work involves

The cable has been installed mostly along roads, with some work in parks. We have constructed cable bridges and under-bores (underground crossings) to cross rail corridors, rivers, main roads and underground services. TransGrid engaged global cable solutions provider, Taihan, to design and construct the new cable.



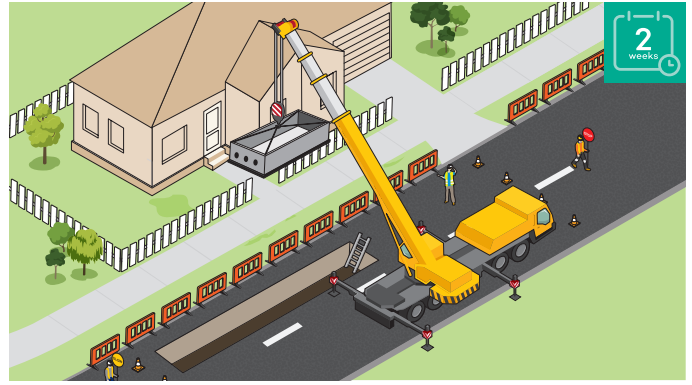
## The construction process

### Trenching



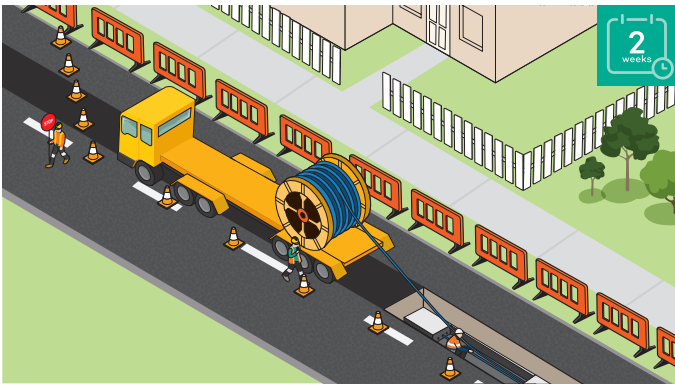
Trenching involves digging a trench around three metres wide and installing pipes to house the cables. Work takes around two weeks near each property.

### Installing joint bays



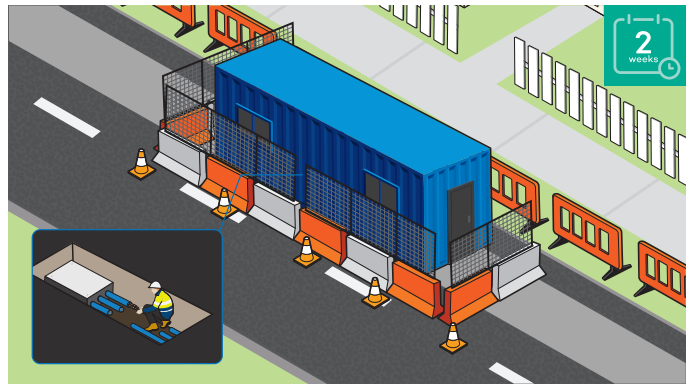
Joint bays are installed roughly every 900m along the cable route. Work takes around two weeks at each location.

### Pulling the cables



At each joint bay, sections of cable are pulled through the underground pipes. This takes around two weeks.

### Joining the cables



Sections of cable are joined together at the joint bay. This takes a further two weeks.

## Construction hours

Standard construction hours are Monday to Friday 7am-6pm and Saturday 8am-1pm. There is some work outside these hours, including night work, where required by road and rail authorities.

## How we work with communities

We are committed to minimising impacts on the community. We:

- notify residents and businesses before work starts and provide regular updates
- conduct home and business plans in locations where the work may be more disruptive
- consult on appropriate respite periods for properties affected by noisy out-of-hours work
- discuss temporary access restrictions and make alternative arrangements where needed
- provide safe alternative routes where we need to close roads, cycleways or footpaths.



131 450

For an interpreter please call **131 450** and ask them to call TransGrid on **1800 955 588**. The interpreter will then assist you with translation.

Connect  
with us

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**TransGrid**