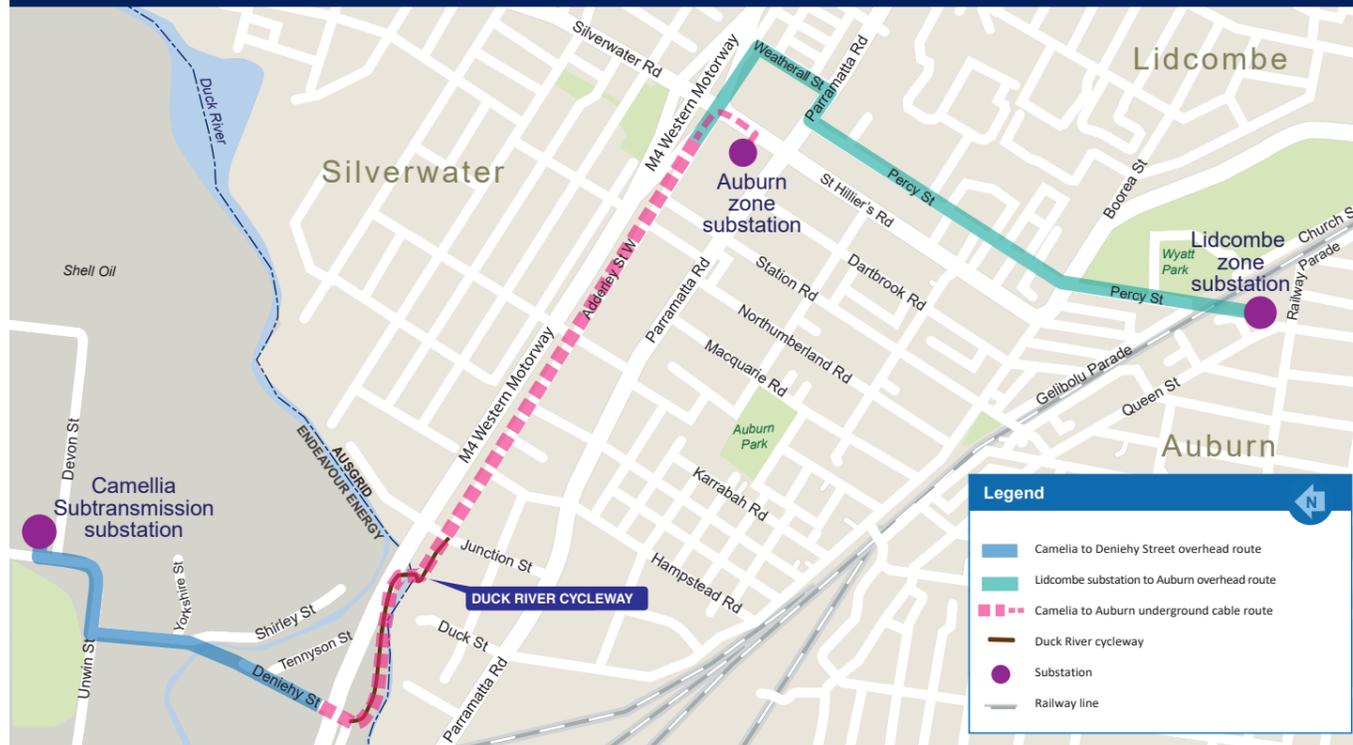


## Map of Camellia to Lidcombe cable route



### Overhead powerline route

Powerlines run from the Camellia substation along Colquhoun Street, Unwin Street and Shirley Street in Rosehill. The overhead powerlines are connected to the underground cables using Underground to Overhead poles.

Construction for this section of the project is planned for September 2018 and expected to be completed mid 2019.

An overhead power line is currently in construction from Adderley Street East, Auburn, along Percy Street, to Wyatt Park. This is expected to be completed in October 2018.

### Underground cable route

The cables would transition from overhead to underground in Deniehy Street, Rosehill. From this point, the cables will run under the M4 Western Motorway overpass and along the Duck River Cycleway.

From Junction Street, the cables run along Adderley Street West. From here, they turn into Silverwater Road for a short section and then enter the Auburn substation at the corner of Silverwater and Parramatta Road. An underground cable and an overhead power line will cross Silverwater Road at the intersection of the M4 Motorway to connect to an overhead power line and existing underground cables.

Construction of this section will begin in September 2018 and continue for 8 months. Multiple crews will work progressively along the route.

### Duck River cycleway

Using feedback collected from the cycleway user survey and other key stakeholders consulted, Ausgrid have worked with its contractor to plan construction along the Duck River Cycleway to minimise impacts on cyclists.

Work will be carried out in two stages. Stage one will involve a short diversion via a temporary cycle path directly adjacent to the existing cycleway. This diversion will begin at the corner of Deniehy Street and Martha Street and will join back on to the cycleway at the bridge. Trenching along this section of the cycleway is expected to start in mid-September. You will be kept updated as work progresses and signage will be erected to direct cyclists and pedestrians to the alternate cycle path.

The second stage of this work is planned for November 2018. You will receive more information on what to expect during this stage of the work prior to commencement.

Work will take approximately 5 months once started. The cycleway will remain in operation during ground investigation work taking place in early September.

For further information you can sign up to either SMS or email updates. To receive these updates or to request more information please contact us via the details below.

### Contacting us

You are welcome to contact us with any enquiries:

**Call** 1800 604 765 (free call from fixed phones)  
**Email** [majorprojects@ausgrid.com.au](mailto:majorprojects@ausgrid.com.au)  
**Visit** [ausgrid.com.au/camelliatolidcombe](http://ausgrid.com.au/camelliatolidcombe)

**Interpreter service 131 450**

## Camellia to Lidcombe powerline project

### Project update

As you may be aware, Ausgrid is installing new 33,000 Volt (33kV) powerlines from Camellia substation to the Lidcombe and Auburn zone substations. The new powerlines will ensure Ausgrid continues to provide a safe and reliable power supply to Auburn, Lidcombe and the surrounding areas.

The new powerlines, which consist of both overhead and underground cables, are being installed in various streets between the three substations (see map over).

The poles and wires for the overhead section are currently being installed, with this part of the project expected to be completed in October 2018.

Ausgrid and its contractor Garde, plan to start construction of the underground cable works in early September, 2018. This work is expected to be completed in mid-2019.

More information about what can be expected during construction is included in this newsletter.

You have received this newsletter because you live or work on or near the proposed cable route shown on the map over the page.

### Community involvement

Ausgrid started planning the project in 2016 and our first community newsletter provided information about our planned approach to replace the ageing cables. We also visited local residents, businesses, community facilities and councils to receive feedback on design options. A second community newsletter was issued in mid-July 2017 with updates to the initial proposal to include underground sections.

During December 2017 and January 2018, Ausgrid began liaising with the cycling community about expected impacts to the Duck River cycleway during construction. As part of this, Ausgrid conducted a survey of cycleway to understand how the cycleway is used and identify potential issues before the construction plans were finalised. The findings from the cycleway user study were compiled into a report in May 2018, and is available on the website at: [ausgrid.com.au/camelliatolidcombe](http://ausgrid.com.au/camelliatolidcombe).

**August 2018**

Final site investigations for underground section

**September 2018**

Start of over head power lines from Camellia to Deniehy Street

**October 2018**

Overhead power lines completed from Auburn to Lidcombe substation.

**September 2018**

Start of underground construction between Camellia and Auburn substations.

**Mid-2019**

Project completion.

### Key dates



A similar cable project in progress

## What to expect in your area

Construction activities will generally involve:

- Excavation of cable trenches and pits,
- Laying of conduits (plastic pipes),
- Temporary backfilling of trenches,
- Final restoration work in consultation with local council.

## Temporary parking and traffic impacts

While work is being undertaken, there may be temporary impacts to cyclists, pedestrians and motorists. Where appropriate, we will have signage and traffic management in place, and will work to minimise impacts as much as possible.

## Construction hours and expected impacts

Like all construction work, there will be some noise, vibration and dust which we will work to reduce.

There are no planned interruptions to your power supply as part of this work.

Ausgrid standard work hours are 7am to 6pm on weekdays and between 8am and 1pm on Saturdays. Nearby properties will be notified when work is planned outside normal hours and why the different hours are required.

Construction in school zones will be carried out during school holidays to ensure minimal impact on schools along the cable route.

## Reinstatement of roads and reserves

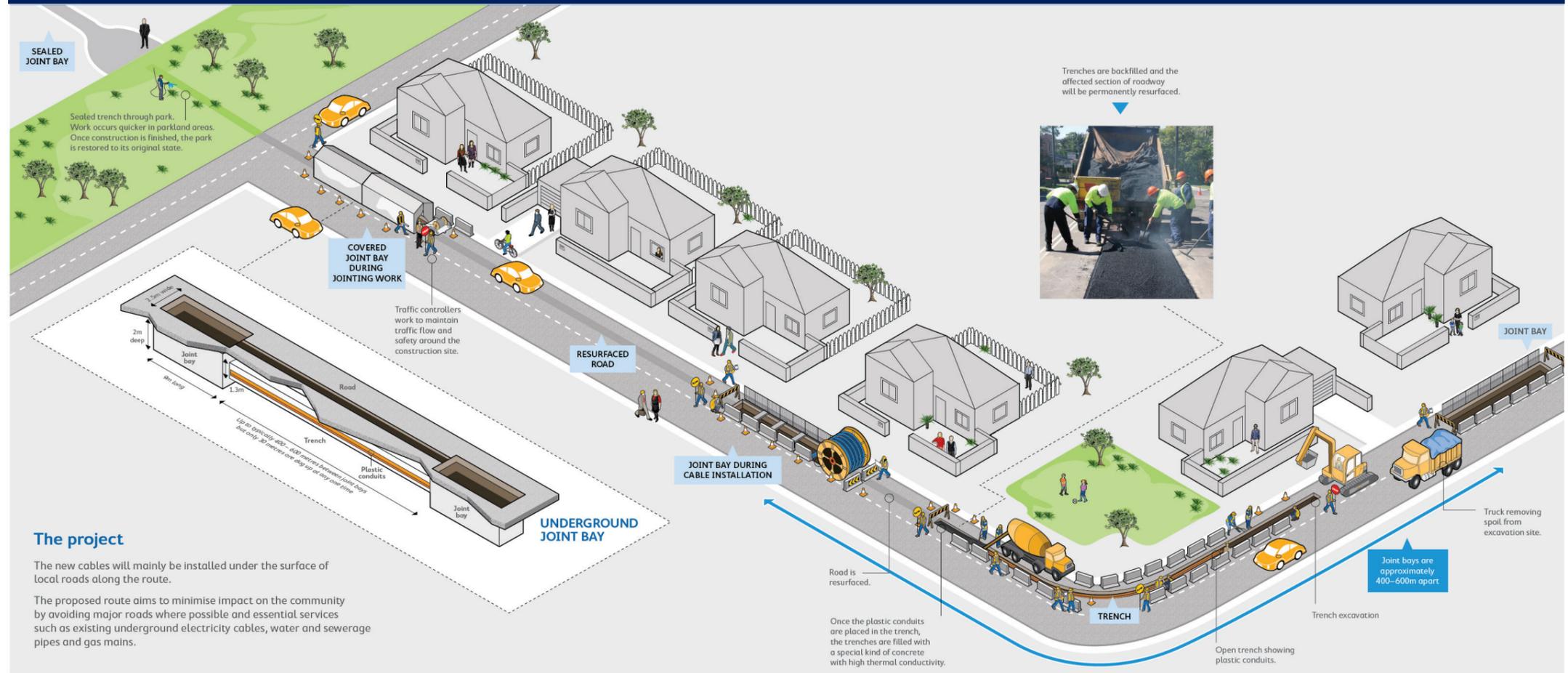
A portion of the route is through local reserves. As each section of work is completed, the area will be backfilled and reinstated.

Following trenching and cable installation in roads, a temporary surface will be laid over the trench so that the road can return to normal use. The temporary road surface remains in place until the cables have been pulled through the conduits (pipes) joined and tested.

A period of time is required between work finishing and permanent restoration to allow for the ground to settle and prevent cracks on the final surface.

The excavated sections are then reinstated permanently in consultation with the relevant road authority.

## Underground 33,000 volt cable installation



### The project

The new cables will mainly be installed under the surface of local roads along the route. The proposed route aims to minimise impact on the community by avoiding major roads where possible and essential services such as existing underground electricity cables, water and sewerage pipes and gas mains.

### Construction stages

#### Underground joint bays

- Underground joint bays will be constructed approximately every 400–600m along the route.
- The joint bays are used to connect the cable sections.
- Between construction of the joint bay and connection of the cables, joint bays are either backfilled temporarily, barricaded or covered with concrete lids. Once cables are connected, the section of road is resurfaced.



#### 2–3 days

Time it takes to work at each joint bay location.

#### Trenching and conduit installation

- Trenching can occur on more than one site on a project simultaneously.
- Plastic conduits (pipes) will then be placed in the trenches and then the area is backfilled with a special kind of concrete.
- Then the section of road is either permanently reinstated or at the end of the project, depending on contractual agreements.



#### 1–5 days

Time it takes to complete work outside most properties.

#### Cable installation

- At a later date, cable drums will be set up at joint bay locations.
- The 33,000 volt cables are pulled through the pipes and connected at the joint bays.



#### 1–2 weeks

Time it takes to complete work outside most properties.

## Environmental and health standards

Ausgrid plans its infrastructure in line with relevant environmental and health standards for the protection of both the environment and the community.

This includes designing and operating all new equipment to minimise electric and magnetic fields, minimising tree trimming and removal and managing issues such as dust, noise and vibration during construction.

Ausgrid will work with its contractor to ensure that the nearby Duck Creek waterway is protected during construction. This will be achieved by utilising environmental control measures and following best practice for reducing environmental impacts.

## Project approval process

Ausgrid is the approving authority for the work under the NSW Environmental Planning & Assessment Act. As part of the approval process, an environmental assessment was prepared for the project.

## Next steps

Final site investigations are currently underway, with main construction of the underground cable route expected to start in September 2018 and be completed by mid-2019.

## Working with you

Ausgrid understands there will be temporary impacts during construction, particularly on residents and businesses living or working close to the route which we will work to minimise. We continue to welcome your feedback to help Ausgrid and our contractors manage the construction process effectively.