

Construction factsheet

The NSW Government is investing \$720 million to strengthen the Randwick health and education precinct as a world-leading centre for health and wellbeing, research, education and teaching. A new Prince of Wales Hospital Acute Services Building will be built in Stage 1 including an adult emergency department, extra beds, intensive care unit, and new operating theatres for the campus.



Artist's Impression of the Acute Services Building, view from Botany Street. Opening 2022

What construction activity will occur?

Site Establishment

Demolition, site clearance and early works will commence in October 2018. The work involves:

- Establishment of the site and installation of hoarding
- Demolition of 92 buildings and ancillary structures
- Removal of vegetation
- Site remediation and removal of top soil
- Utility relocations and upgrade
- Set up of site and worker facilities

Piling and excavation

Piling creates a strong foundation to support a structure and its load. Piles are constructed by drilling into the ground and filling the hole with steel and concrete.

The Randwick Campus Redevelopment will use a bored piling method. This type of piling generates less noise and vibration than other types of piling.

Excavation work involves the removal of soil and rock to prepare the site for main building works. Excavation and rock breaking work will be carried out by excavators, jack hammers, rock saws and hammers, bobcats, bulldozers and truck and trailers.

Piling and bulk excavation activity will commence in early 2019 enabling construction of the Acute Services Building.

Main building works

Construction of the Acute Services Building will commence mid-2019 and will include:

- Construction of a 13 storey hospital building and rooftop helipad
- Construction of two pedestrian and clinical bridge links over Hospital Road connecting the existing Randwick Hospitals' Campus
- Services and fit-out of the new building and clinical facilities
- Road improvements and construction of a new signalised intersection, internal roads and public drop-off areas
- Testing and commissioning of the building
- Landscaping and external works.

The site includes land bound by Botany Street to the west, High Street to the north, Hospital Road to the east and Magill Street to the south.

The health and safety of patients, families, visitors, staff, workers and the community are our top priority.

Managing construction impacts

All major construction projects like the Randwick Campus Redevelopment comply with strict environment and planning controls. We are working closely with Transport for NSW, CBD and South East Light Rail, Randwick City Council and UNSW to coordinate construction projects in the area.

Dust

Managing dust is a key focus for the Randwick Campus Redevelopment. Mitigation measures include:

- Air quality monitoring
- Sealed site hoarding
- Dust suppression activities
- Selection of equipment, machinery and construction work methods that help minimise dust
- Application of water sprays to buildings, work areas and stock piles
- Truck wash down facilities
- Covering truck loads and stockpiles.

Noise and vibration

Demolition work will predominantly be carried out during the day and behind the site hoarding. Mitigation measures include:

- Programming noisy works to occur during the day
- Providing respite periods during high noise activities, where possible
- Noise and vibration monitoring through sensitive receivers
- Site hoarding that will provide some noise attenuation
- Selection of equipment, machinery and construction work methods that mitigate noise.

Hazardous materials

The controlled identification, assessment, containment, removal and disposal of hazardous materials is a priority for the Randwick Campus Redevelopment.

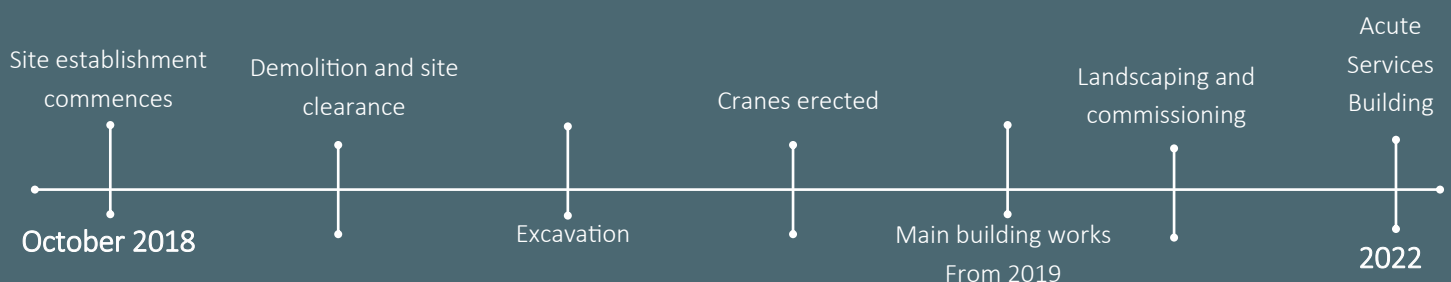
Preliminary site investigations indicate some hazardous materials (such as asbestos containing material, lead paint/dust and contaminated fill) exist in buildings and upper ground fill which is consistent with urban areas developed in this era.

A site-specific methodology for the safe management of hazardous material will be implemented including air monitoring during demolition and site clearance works.

All hazardous material identified will be removed by licenced contractors in accordance with legislative requirements and associated industry codes of practice.

A waste management and validation report undertaken by an independent site auditor will document the process of hazardous material removal. This report will then be submitted to the NSW Environmental Protection Agency for review.

The project is committed to ensuring safe removal of hazardous materials for residents, patients and carers, staff, students, workers and the general public.



Site management

Site hours

Proposed site hours are:

- Monday to Friday, 6.00am – 6.00pm
- Saturday, 8.00am – 5.00pm
- No Sunday work unless prior approval is granted

Truck movements will be reduced during peak traffic periods to minimise impacts to local roads.

Construction site access

Construction vehicle access to the site will occur through two main vehicle gates on Botany Street (entry and exit), supported by a light vehicle gate (exit only) onto Hospital Road.

Temporary vehicles access to the site will be from Eurimbla Avenue via Arthur, Clara and High Streets.

There will be a temporary drop off area within the site for use by construction workers to deliver tools and equipment.

Workers on foot will access the site via turnstiles on Hospital Road.

Construction workforce

All site workers are inducted to understand their obligations when working on the Randwick Campus Redevelopment site. Including, being highly aware of their presence within the Randwick community and hospital precinct.

Site workers are provided with dedicated worker amenities and facilities.

Construction worker parking will be provided off-site.

Waste removal

Our contractor is responsible for maintaining a clean, clear and safe working environment. Rubbish bins will be provided on site and be emptied at regular intervals. Waste generated by the site will be delivered to a waste management facility for processing. Material that is suitable for re-use will be recycled.



Cranes

During construction of the new Acute Services Building, two tower cranes will be used on site, one north and one south of the new hospital building.

These two crane locations will allow materials to be efficiently and safely lifted over a large portion of the construction site.

Due to the site's proximity to the airport, hammerhead cranes will be used on this construction site, as these always maintain the same height.








Hammerhead cranes have a fixed horizontal jib arm. The jib arm can rotate 360 degrees around the tower.

The southern crane is proposed to be in operation for approximately 18 months from mid-late 2019. The northern crane is proposed to be in operation from mid-2019 to early 2021.

Construction site plan

The plan provides an overview of the site, including construction traffic routes, site boundary, tower crane locations and the new Acute Services Building positioning.

Legend

	A-class hoarding
	Stage 1 boundary
	Vehicle entry gate
	Construction traffic
	Light construction traffic
	Exit
	Suspended slab
	Building footprint
	Tower cranes – 65m boom
	Twin hoists
	Site accommodation and client site office
	Loading zone and materials handling
	Link bridge



How will I be kept informed?

Regular construction updates will be provided during construction of the new Acute Services Building. We are committed to providing you with advance notification of upcoming work. Updates will be available via:

- Regular email updates to subscribers
- Community notices and updates to local area and project neighbours
- Website updates

Getting in touch

We encourage you to get in touch if you have any questions or feedback. Please contact the Redevelopment team on the information provided below.

To receive project updates please subscribe using the contact page at www.randwickcampusredevelopment.health.nsw.gov.au



For an interpreter, call 131 450 and ask them to call 02 9978 5402

If you need an interpreter, please call the Translating and Interpreting Service (TIS National) on 131 450 and ask them to phone Randwick Campus Redevelopment on 1800 571 866.