



PROJECT MAUNGA
BASE HOSPITAL REDEVELOPMENT

PROJECT MAUNGA STAGE TWO

MAY 2021 | UPDATE #2

Construction begins at Taranaki Base Hospital

It's an exciting time at Base Hospital as the excavators have moved in and construction of Stage Two of Project Maunga has begun!

"Seeing the crews at work on site signals another milestone for the project, which is great for the project team, the hospital and the public," says Steve Berendsen, programme manager for Taranaki DHB.

Work has begun on three sites - the new Renal Building, the Energy Centre and at the Lorna Street entrance.

The building platform for the Renal Building, off David Street, is being prepared, with construction of the pole foundations due to begin this month.

The design focus for this building has been to give patients and whānau a non-clinical experience when they visit. The single storey, timber building is also targeting Net Zero Energy Certification, meaning that the total energy use over a year will be neutral. This will be achieved by reducing the energy consumption and utilising roof mounted solar panels to generate energy.

Enabling works for the New East Wing Building (NEWB) are also underway.

"This work encompasses everything we need to do in terms of ancillary



Nathan Hawkins, project manager for Leighs Construction Ltd

support systems for the new building such as power, water and sewage, before we can start constructing the foundations," explains Nathan Hawkins, project manager for Leigh's Construction.

The NEWB will house Base Hospital's core clinical services including the Emergency Department, Radiology, Laboratory, Maternity services, Neonatal, and the Intensive Care Unit.

The building has been designed to receive a five-star Green Star

certification, the first healthcare facility, public or private, to do so.

The Lorna Street entrance onto the hospital campus is now closed permanently, and visitors to the site are being asked to please be aware of construction work and comply with any signage.

"We do apologise for the disruption while this work is carried out, and thank everyone for their patience while we continue to deliver a first-class health care facility for the people of Taranaki," says Nathan.

Info evening constructive

A 'constructive and informative' Project Maunga Stage Two hui saw around 20 local residents meet with Taranaki DHB and New Plymouth District Council representatives.

The evening gave those living near to the Taranaki Base Hospital campus the opportunity to raise any issues they may be experiencing due to the work being carried out as part of the project.

One of the main issues to be discussed was the volume of traffic using the road network around the hospital, particularly the difficulty at junctions.

As the remit for roading falls under the control of the NPDC, chief executive, Craig Stevenson, and group manager Planning and Infrastructure, David Langford, responded to the queries.

"It was a very constructive and informative meeting from our point

of view as we were able to get a real insight into the challenges people are facing on a daily basis," says David.

"We are aware of the pressure on the road network, particularly at the junction of David Street and Tukapa Street, and there is work underway already to address that.

"However, in light of the discussions with residents, we will be looking to expedite this."

He said NPDC traffic engineers were recommending traffic lights for the David St/Tukapa St junction and solutions were being explored for the Lorna Street/Devon St West junction. His team were also looking at the placement of broken yellow lines to control parking behaviours and what can be done to address speeding.

"We know that parking is becoming more of a concern now that

enabling works have started on campus and some staff parking spaces are being lost." says Gill Campbell, chief operating officer at Taranaki DHB.

"While we pursue a solution for this, we are pleased to be able to work with the NPDC to ensure local residents can exit and enter their driveways and use residential streets safely."



David Langford, NPDC, group manager Planning and Infrastructure

New hospital build project contract local businesses

Fifteen Taranaki businesses have been contracted to work on the new Renal Unit, the Energy Centre and the New East Wing Building (NEWB) enabling works of Stage Two of the \$337 million Project Maunga redevelopment project at Taranaki Base Hospital.

This represents more than 80 per cent of contracts awarded to date going to local companies, providing local jobs and an economic boost.

Ian Grant, project director says "The commencement of the enabling works is an exciting milestone for the project and Taranaki DHB, and also an opportunity to build local skills and capacity ahead of the New East Wing Building main construction phase, commencing mid-2022.

Project Maunga Stage Two is expected to create more than 400 jobs over a three-year construction timeline."

After an extensive planning period, the civil contractors moved in to start the groundworks for the new Renal Unit, off David Street, and the Energy Centre at the

rear of the campus late last month. Enabling works - installation of ancillary services such as power, water and sewage - for NEWB have also begun, with the Lorna Street entrance to the campus now closed.

Rosemary Clements, Taranaki DHB chief executive says "Taranaki DHB is working collaboratively with a number of local organisations, including Ngāti Te Whiti Whenua Tōpu Trust, Te Kotahitanga o Te Atiawa, MBIE (Ministry of Business, Innovation and Employment), WITT (Western Institute of Technology at Taranaki), BCITO (Building and Construction Industry Training Organisation) and Taranaki Chamber of Commerce to support the development of skills and employment opportunities in the construction industry while Project Maunga is underway.

"Projects of this size bring many benefits for local people, and in this case, they go much further than just providing first-class health care facilities for the Taranaki region and beyond."



Experts give insight into building works

Members of the New Plymouth branch of Engineering NZ received a fascinating insight into the geotechnical and structural elements of Project Maunga Stage Two from two experts involved in the project.

Rowan Cook, geotechnical lead with ENGE0 Limited, and Renee Brooks, lead structural engineer with Holmes Consulting gave a presentation to an avid audience about the considerations for the foundation work for the new six storey acute services and maternity ward hospital wing.

“This project has been ground-breaking for the amount of geotechnical testing and laboratory work that has been completed,” says Rowan. “The building work is taking place on ‘Taranaki ash’ which is very specific to the region, and so

we wanted to ensure we knew as much as possible before finalising the building design.”

Of particular interest was the 200m long, 7m high retaining wall to be constructed 30m below ground level along the west, south and east to provide stability to the site.

Renee spoke about the base isolation system that has been selected to protect the building in the event of an earthquake, and the two-way steel moment frame forming the primary lateral load resisting system for the structure above.

“Our presentation was very well received, and there were lots of questions about the approaches we had chosen and the findings made,” says Rowan.



Rowan Cook geotechnical lead with ENGE0 Limited

Park-and-ride scheme will ease parking pressure

A new park and ride scheme is being launched to benefit Taranaki DHB staff working at Base Hospital campus.

Staff car parking issues have been in the spotlight since enabling works for Project Maunga Stage Two began and, once construction properly begins on the New East Wing Building (NEWB), 120 staff spaces will be lost to the excavators.

“We have been working on several solutions to ease the pressure on the white staff parks on campus and now have two initiatives in place,” says Taranaki DHB’s car-parking coordinator, Vladimir Moore.

The first initiative, pairing DHB workers with nearby residents with daytime driveway spaces, has received a positive response with around 20 match-ups already and more in the pipeline.

The second is a new park and ride programme using 83 available spaces near the Cool Stores in Motorua. A shuttle service will transport people between the site and the Base Hospital campus between 6.30am - 10am and 2.45pm - 6pm.

There will also be some reconfiguring of existing parking areas to provide more staff carparks on the hospital campus itself.

“With the park and ride scheme coming into operation on 1 June, the volunteer neighbourhood parking initiative and some additional parks on campus, our shortfall will be minimal,” says Vladimir.



Welcome!

We have welcomed a new member to the project team - little Nina Hawkins who was born on April 15 weighing 3.05kg. Huge congratulations to Nathan, mum Lisa and big brother Oliver!

CONSTRUCTION PROGRESS

Installation of ancillary services for NEWB



Please be careful when driving or walking around the Base Hospital campus now building work is underway



Site preparation for the new Renal Unit on David Street is underway



The new Energy Centre is being built close to the current helipad

Reconfiguring the traffic flow outside the temporary new main entrance



Richard Old, site manager for the new Energy Centre



New parking spaces outside the temporary main entrance