

Watpac National Project Update | June 2017

Watpac is pleased to provide the following update on our key projects.

CONSTRUCTION



Herston Quarter Redevelopment

HEALTH & SCIENCE

Herston Quarter Redevelopment

Brisbane, QLD

In February 2017, Watpac announced the finalisation of its contract with Australian Unity to deliver a number of projects as part of the Herston Quarter redevelopment in Brisbane. The announcement followed the Group's appointment as preferred builder in August 2016. Scope of works include the relocation of existing site services and decommissioning of redundant services before construction of the new Specialist Rehabilitation and Ambulatory Care Centre (SRACC) for Metro North Hospital and Health Service commences. When complete the building will provide 35,157 square metres of facilities and feature a Sky Bridge Link to the Royal Brisbane and Women's Hospital (RBWH).

The Group will also deliver the Spanish Steps – which will extend from Herston Road into the main public realm, dedicated car parks underneath the SRACC and the Spanish Steps, major infrastructure upgrade works and associated road upgrades. Activities commenced on site in April with the first portion of the services isolation works and the removal and relocation of all of RBWH communications, data, fibre and telephone systems from the former children's hospital now complete. Early works for the SRACC building will commence in coming months.

ANSTO Nuclear Medicine Molybdenum-99 Facility

Lucas Heights, NSW

With all external works now complete, the ANSTO Nuclear Medicine Molybdenum-99 Facility project is anticipated to reach completion at the end of July 2017. Detailed testing, commissioning and training will occur in the coming weeks prior to completion. When complete the facility will significantly increase the Australian Nuclear Science and Technology Organisation's capacity to produce the critical life-saving radioisotope molybdenum-99 for healthcare providers throughout Australia and overseas.

Frankston Private Hospital

Melbourne, VIC

Completion of the Frankston Private Hospital expansion is on track for the coming weeks. The major expansion project required construction of a new building adjacent to the existing hospital which now serves as the main entry to this high quality cancer treatment facility. An additional 60 beds have been delivered through the expansion, with the refurbishment of the existing hospital now also complete. The expansion has provided three extra operating theatres, an expanded Central Sterile Services Department and a new day oncology unit, with the existing day oncology unit converted into a second stage recovery unit.

Frankston Private Hospital



RETIREMENT LIVING

Jewish Care St Kilda Road Senior Living and Community Precinct

Melbourne, VIC

Watpac was awarded the contract to build Jewish Care Victoria's Senior Living and Community Precinct in Melbourne in May 2017. Construction recently commenced for this multi-phase development that will transform the existing site into a state-of-the-art aged care facility for Melbourne's Jewish community. With 156 residential units, relevant health care and medical services, the new nine-storey building will also include associated retail and commercial areas and basement car parking. The development will also provide facilities for residential religious services including a synagogue and communal kosher kitchens with adjacent dining areas.



Jewish Care St Kilda Road Senior Living and Community Precinct

Albert Redevelopment Retirement Community



Albert Redevelopment Retirement Community

South Melbourne, VIC

In December 2016, Watpac was awarded the contract to build a new retirement community for Australian Unity. Located in Albert Road, South Melbourne, the project will deliver a 17-level residential tower comprising 83 purpose-designed apartments and two levels of carparking. Works commenced in January 2017 with the relocation and removal of existing services and demolition of former office buildings located on the site. In coming months excavation works will be completed with construction to commence on the lift core.

The Cascades

Port Macquarie, NSW

Construction has commenced on the Cascades Seniors Living Development for Garden Village in Port Macquarie following contract award in February 2017. The project will deliver 52 apartments across two buildings, each consisting of five floors of accommodation and a basement car park with a total of 58 spaces. The new complex will include a restaurant, coffee shop, specially designed gymnasium, community centre and activity rooms that will be tailored for residents' specific activities, in addition to an outdoor retreat. The project will be delivered in two stages, with the first building to comprise 35 one, two and three bedroom apartments. The second building will provide 17 apartments, of which 15 will be two bedroom apartments and the remainder three bedroom apartments.

The Cascades



RESIDENTIAL

Ryde Garden

Sydney, NSW

Construction of the three towers at the Ryde Garden residential development is progressing well, with the Building C structure topped-out in March 2017. Structures for Building B and Building A have reached Level 15 and Level 16 respectively. To date 970 of the 2,049 pre-fabricated bathroom pods have been delivered and installed, and 28,000 cubic metres of concrete has been poured. Façade and internal fit-out of the 830 residential apartments is currently in progress. Upon completion the Ryde Garden project will also provide basement parking for 730 cars, in addition to 2,100 square metres of public park, roof top gardens and a communal pool. Over 1,100 square metres of non-residential floor space including retail space, gymnasium and an area dedicated for a future child care centre will also be delivered.



Ryde Garden

York & George

Sydney, NSW

Located in Sydney's CBD, the 39-storey York & George mixed-use tower will feature 199 apartments, a seven-storey mixed-use podium structure and two underground basement levels. The project incorporates heritage restoration works on two existing buildings – the heritage-listed Spiden House and Carlton House. The Carlton House façade is now complete to level two, with completion of this façade scheduled to occur in the coming months. The George Street façade glazing is up to level two and the completion of the façade stone work is also due in the coming months. The project's tower structure has commenced, with the tower core jumpform up to level 11. Other works that have been undertaken to date include blockwork installation to basement levels, level eight podium slab formwork and ongoing works to the level three plant room and substation fit-out.

Kodo

Adelaide, SA

Watpac finalised contract conditions earlier this year to build the Kodo residential apartment development in Adelaide's central business district. Construction has now commenced on site, with the first sod officially turned in April 2017. When complete Kodo will be the city's tallest residential apartment complex, and feature 208 apartments, a sky garden, plus ground floor retail and commercial tenancies.

Newstead Series

Brisbane, QLD

Construction of Brisbane's Newstead Series is progressing well with structural works for towers one and three of the boutique residential development having reached level nine, with six floors remaining. Construction has reached level three for the two shorter towers, towers two and four. The structures are due to top out in September 2017. Aluminium glazing is currently being installed and is up to level four, while services rough in is up to level five. When complete the new development will include a total of 300 apartments and townhomes across four boutique towers – The Carlyle, The Donaldson, The Ajax and The Koerstz. The buildings will be brought together by an expansive half acre of subtropical landscaped gardens and amenities including a 25 metre lap pool and spa, sauna, gymnasium, alfresco dining areas, outdoor cinema, recreational lawns and exercise spaces.



Newstead Series

Riverlight

Brisbane, QLD

Works on the latest residential development at Brisbane's Hamilton Reach continue, with podium slabs one to five completed as well as level four pours one and two. Basement one and two services trades are underway and ground floor sub-trades have also commenced. Upon completion Riverlight will comprise a combination of one, two and three bedroom apartments and high-end penthouses. Recreational facilities will include an alfresco dining room, an outdoor master-chef barbecue retreat, a 20 metre lap pool and sun deck, a sensory garden and a fully equipped gymnasium.

Central Adelaide

Adelaide, SA

Practical completion of Central Adelaide was achieved in May 2017, with the new luxury residential apartment complex welcoming its first residents shortly thereafter. Comprising 260 apartments in studio, one, two and three bedroom configurations, the development features a sky garden with barbecue facilities, sky pool, three-hole mini golf course, stone massage walking track, gym and fitness centre, mini cinema and billiard rooms. Ground floor retail and car parking facilities were also included in the project.

Central Adelaide



Union Tower



Summer Hill Flour Mill

Sydney, NSW

Conversion of Summer Hill's historic flour mill reached a major milestone with residents now moving into the completed Stage 1 mixed-use residential precinct. Construction of Stage 2 will reach completion in coming months. When complete, the historic silos will house 45 apartments, forming part of the 127 apartments and townhouses to be delivered across seven buildings. The precinct will also feature 18 three-storey terrace homes. Construction includes landscaping and road works, services infrastructure and retail spaces.

Union Tower

Melbourne, VIC

Works have continued on site at Union Tower, Melbourne's newest inner-city residential tower development, with the project core structure jumpform at level seven. The level two slab has been poured and the overhead gantries installed. Upcoming activities include installation of screens, jumpform signage and permanent hoarding to the front of the project after formwork stripping. Services and fitout trades will also commence shortly in the basement. Upon completion the new 35-storey development on Little Lonsdale Street will offer 165 sophisticated one and two-bedroom apartments, with only five apartments per typical level to suit the building's tall and slender design. The development also features a six-storey podium that will provide amenities including shared and private work spaces, gymnasium, bike storeroom, common workshop facilities and a retail precinct.

DEFENCE AND SECURE FACILITIES



Virgin Australia Baggage Handling System Upgrade

Brisbane, QLD

The project to upgrade the Virgin Australia baggage handling system is nearing completion with installation of the new roof, mezzanine and carousels two, three and four complete. Remaining works include demolition of the existing carousel one and installation of its replacement, with practical completion scheduled to be achieved in August 2017.

Puckapunyal and Mangalore Explosive Ordnance Facilities

Puckapunyal and Mangalore, VIC

This project involves the construction and commissioning of explosive ordnance facilities at the operational Puckapunyal and Mangalore military bases. Watpac is constructing five ammunition transfer points at five geographically separate locations within the Puckapunyal military area. Works at the Mangalore site involve the construction of two earth covered buildings for storing ammunition, which have the capacity for 360 standard pallets of ammunition. The project will also incorporate road upgrades, drainage, services infrastructure and the installation of blast doors.

17th Construction Squadron

Amberley, QLD

Watpac has completed works for the 17th Construction Squadron, 6th Engineer Support Regiment, which has now been relocated to RAAF Base Amberley. Five stages were delivered as part of the project including construction of a fire training area; refurbishment of existing buildings and amenities and building new facilities including offices, workshops, plant rooms, shelters and a car park.

EDUCATION

Queensland Schools PPP

South-East Queensland

Watpac is delivering 10 new schools in South East Queensland for the Queensland Government as part of the Plenary Schools Consortium.

Construction is now well underway for Stage 2 at Griffin State School, Deebling Heights State School, Bellmere State School and Pallara State School, with all four schools currently on track for handover in December this year. Planning is underway for the 2018 projects and works on the new school at Springfield Lakes is expected to commence in October 2017 for completion in time for the 2019 academic year.

Victorian Schools PPP

Various, VIC

As part of the Learning Communities Victoria consortium, Watpac is delivering 15 new schools for the Victorian State Government's New Schools PPP Project. The project includes the construction and maintenance of primary, secondary and special schools, in addition to some community facilities. Construction of the Tranche 2 schools at Armstrong Creek, North Geelong, Bannockburn and Torquay North are progressing well with building façades, the roof and the services rough-in works almost complete. The next phase of internal finishes are about to commence and plasterboard works are well progressed. Externally, carpark and landscaping works have commenced, and civil construction works have been completed. Drainage works on the sports grounds are also underway. Building works are expected to be finished in late September 2017, with the project on target for contract completion in January 2018.

Victorian Schools PPP



SPORTS



North Queensland Stadium

North Queensland Stadium

Townsville, QLD

Watpac was appointed Managing Contractor for Townsville's new 25,000 seat North Queensland Stadium in May 2017. The project will be delivered over two stages and is expected to engage with more than 2,000 people across the design and construction phases. Stage one's design and early works programme has now commenced, with physical stage two works scheduled to commence in 2018. The project is expected to have a sustained peak workforce of nearly 400 people during construction.

Griffith University Aquatic Centre

Southport, QLD

The new Griffith University Aquatic Centre at the Gold Coast campus achieved practical completion in January 2017. The centre comprises a FINA accredited 50 metre swimming pool and fitness-orientated facility. The Griffith University facility will host community, regional, state and national sporting competitions, and will be used as a training facility for the Gold Coast 2018 Commonwealth Games. It will play a vital role in the education of students, providing a state of the art facility that supports teaching and research across a range of disciplines.

Suncorp and Gabba Stadiums Video Board Replacement

Brisbane, QLD

In February 2017, Watpac was announced as the project contractor to deliver four new high definition LED video display screens at the Gabba and Suncorp Stadium. Construction commenced in March, with installation of the two 167 square metre screens at either end of the ground at Suncorp Stadium completed at the end of May, prior to the start of the 2017 State of Origin series. Installation of the two 147 square metre screens at the Gabba is being staggered, with the eastern screen completed this month and the western screen installed before the Ashes commences in November 2017.



HOTELS

Mary Lane

Brisbane, QLD

Works are progressing well on the 37-storey tower which will include Brisbane's newest 5-star international hotel – The Westin, and 184 luxury one, two and three bedroom residences. The structure at the 111 Mary Street site is taking shape, with the jump forms to the core and stairs at level 13 and level nine being cast by the end of June. The formwork system is now complete and the typical structure cycle is currently producing a level per week. The façade and service reticulation has commenced on level four, with the partitions expected to commence shortly. When complete the precinct will feature a multilayered atrium with laneways, fine dining restaurants and bars. The development incorporates separate facilities for residents and guests including a roof top recreation deck with pool, gymnasium, BBQ and function areas. The 286-room 5-star hotel element includes four podium levels with a large, resort-style pool with swim up bar, gymnasium, day spa, function space, lobby bar and restaurant.



Mary Lane

Pullman and Ibis Hotels

Brisbane Airport, QLD

Construction of the new 5-star Pullman Hotel, 3.5-star Ibis Hotel and Conference Centre at Brisbane Airport continues on schedule, with building exteriors of the hotels now completed. The internal fit out on the guest room floors are nearing completion for a handover to allow the operator to commence their furniture, fixtures, and equipment fit out in preparation for the scheduled October 2017 opening. The Conference Centre structure is now complete, with the interior entering the final finishes. Exterior and landscaping works have commenced in preparation of final handover.



CIVIL & MINING



Mt Magnet Gold Mine

WA

Watpac has provided mining services for Ramelius Resources at their Mt Magnet Gold Mine from 2011 to 2016. Following a \$45 million contract extension last year, additional works are being delivered over a 16-month period at the Blackmans, Titan and Brown Hill Pits, with works scheduled for completion in the coming months. The scope of works includes drill and blast services and load and haul of waste and ore. The pits are being mined using 100 and 200 tonne excavators depending on pit geometry and geological constraints.

Axehandle Gold Mine

Southern Cross WA

Mining services continue at the Axehandle Gold Mine under the new ownership of the Shandong Tianye Group Bid Co Pty Ltd who has a management agreement with Minjar Gold Pty Ltd to oversee and direct operations. It is business as usual bulk mining overburden and ore. Mining has progressed down into fresh rock encountering more water and subsequently requiring higher dewatering rates and increased drill utilisation to enable blasting of this fresh rock.



Tutunup South Mineral Sands

Busselton, WA

Watpac has provided mining services at Iluka Resources' Tutunup South Mineral Sands Mine since 2011. Located 17 kilometres south of Busselton, this mine is a source of ilmenite, rutile and zircon products which are exported around the world. Watpac's contract included the establishment of this Greenfield site, building noise bunds, haul roads, process dams, relocating sensitive wetlands and all other site civil work. At project completion approximately 10 million Bank Cubic Metres (BCM) of material will have been mined and 5 million BCM of ore fed through the processing plant. In addition to the mining, Watpac has built and managed 13 slime dams, each emptied of around 70,000 BCM of slime every two years. Mining is done conventionally with two 87 tonne excavators and a fleet of 50 tonne and 40 tonne articulated dump trucks.

Silver Lake Imperial Majestic Pits

Kalgoorlie, WA

Mining services continue at Silver Lake Resources' Imperial/Majestic project site, approximately 50 kilometres east of Kalgoorlie. Stage one and two of the three stage Majestic pit have been completed with works commencing via free dig operations in the nearby Imperial pit. Increased production requirements have meant the utilisation of two mining fleets continuously over the last couple of months.

Capel Satellite Project

Busselton, WA

The Capel Satellite Project is located 35 km north of the Tutunup South mine site at Iluka Resources' main processing plant in Western Australia. Watpac's contract is to clean out secondary product dams. Work on this site commenced in September 2014 and will continue through to May 2018. This work is seasonal from October to April and has included the removal and drying of iron oxide and ironman gypsum from the dams, ready for export markets. Watpac has recently completed the successful 2016/17 campaign with a record six shipments sent to export markets.



Kalbarri Roadworks

Kalbarri Roadworks

Kalbarri National Park, WA

Watpac is upgrading 20 kilometres of unsealed roads/tracks in the Kalbarri National Park to sealed roads for the Department of Parks and Wildlife (DPaW) in Western Australia. The project is located 30 kilometres east of Kalbarri – 570 kilometres north of Perth. The Stage 2 Loop / Z Bend Access Roads and Carparks Upgrade Works has included earthworks, drainage, winning of pavement materials, pavement construction and carparks, with road sealing works scheduled for completion in July 2017. The carpark completion works will be carried out later in the year following completion of other National Park infrastructure works being carried out by DPaW.

Harold Road Passing Lanes

Kojonup, WA

This project involves clearing, cut to fill, cut to spoil, pavement construction, drainage, sealing, kerbing, line marking and signage to reconstruct a 2.8 kilometre section of the Albany Highway. Due for completion by the end of June 2017, the project also incorporates the creation of an overtaking lane in each direction.

Albany Highway Widening, Mount Barker Passing Lanes

Mount Barker, WA

The Mount Barker Passing Lanes project for Main Roads Western Australia was completed in late 2016. Located in the Shire of Plantagenet, the project involved widening a 4.4 kilometre stretch along the Albany Highway to accommodate two separate passing lanes near Woogenellup Road and Martagallup Road. Works included clearing, earthworks, drainage, pavement construction and stabilisation, sealing, kerbing, line marking and signage.

Muja Power Station Fly Ash Dam Embankment Lift

Collie, WA

The project to construct an embankment raise on a Fly Ash Dam located 200 kilometres south of Perth has now been completed. Along with associated drainage and infrastructure activities, Watpac provided additional load and haul work to empty the Bottom Ash Dam.

Toodyay Treated Wastewater Storage Dam Remedial Works

Toodyay, WA

The contract to undertake remedial works to an existing wastewater storage dam has been completed. Works included the pumping out of sludge, removal of gravel, HDPE liner and sand layers, construction of a clay liner and stabilisation of the downstream face with cement stabilised road base.

Remediation of Ravensthorpe Dam No. 4 Bitumen Catchment

Ravensthorpe, WA

This recently awarded project comprises the reconstruction of sub-catchments one and two and resealing of sub-catchments three to six at Ravensthorpe Bitumen Catchment. Works will include the restoration of excavated and disturbed facilities including land surfaces to their pre-construction condition. Activities to be undertaken include, removal of weeds and vegetation across all sub-catchments; sweeping of sub-catchments three to six and spreading of excess loose aggregate across eroded areas; proof compacting of the exposed gravelly basecourse across sub-catchments one and two; placing and compacting of an additional 100 millimetres of basecourse gravel across sub-catchments one and two; and resealing of sub-catchments one to six, including surrounding drainage channels.



**Denmark Water Treatment
Plant Remedial Works**

**Nova Nickel Waste Rock
Pad Construction**



Nova Nickel Waste Rock Pad Construction

WA

Watpac has completed the project to construct a waste rock dump and access roads adjacent to the ore pad. Works included land clearing and topsoil and vegetation stockpiling, access roads construction, surface preparation, surface water management (contours and HDPE lined pond construction), pad construction, rehabilitation of old tracks and test pits.

Denmark Water Treatment Plant Remedial Works

Denmark, WA

Remedial works have been completed to the concrete weir at the Denmark Dam including demolition, pipework, concrete works, steel work and scuba diving works.