



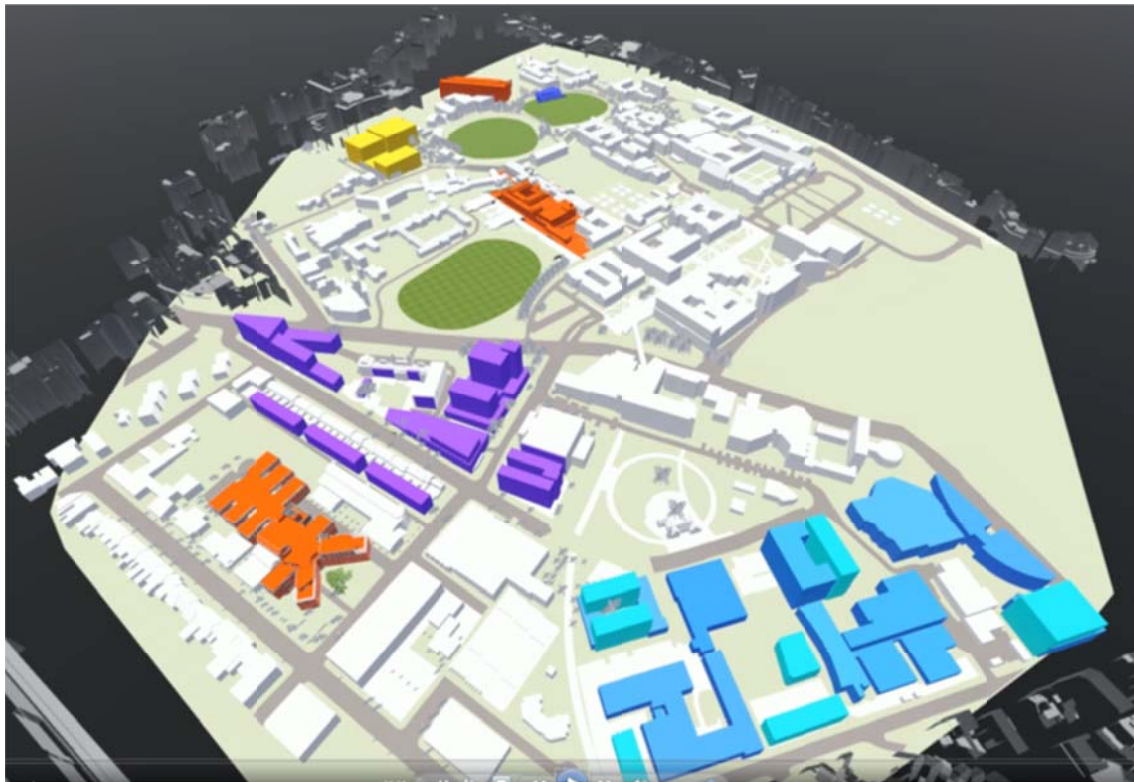
THE UNIVERSITY OF
SYDNEY

The University of Sydney Camperdown-Darlington Campus

Campus Improvement Program 2014- 2020 - Project Summary

In support of Request for Director General's Requirements – State Significant Development

September 2013



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1.0 Introduction

The University of Sydney seeks from the Director General Department of Planning and Infrastructure (DP&I) acceptance of, and requirements for, a State Significant Development application of the University's Campus Improvement Program 2014-2020 for the Camperdown- Darlington campus. The University believes this application qualifies for "educational purposes", as defined by the *SEPP (State and Regional Development) 2011* Schedule 1, Clause 15 Education Establishment, and which incurs a capital investment value of more than \$30 million.

The University has held a number of meetings with various divisions of the DP&I during the evolution of this draft strategic document. The Department is aware of the University's intentions in lodging a Stage 1 SSD Concept Application for the Camperdown-Darlington campus before the close of December 2013.

The University's Campus Infrastructure and Services department (CIS) is responsible for the built environment on all University of Sydney campuses. CIS is currently defining the Campus Improvement Program 2014-2020 (CIP), with a development implementation program, document framework, and a development staging/budget program. This has been developed through a thorough consultation program involving the University's faculties, schools and professional services.

The CIP is also being prepared in close consultation with relevant State and local Government authorities, and includes a community engagement and consultation strategy with surrounding communities. The CIP will continue to foster the "educational establishment" uses and strengths of the campus, ensuring it serves as a primary economic and employment destination and provider through its role in education, research and health pedagogy. This role is consistent with the contextual fit of the University envisaged by DP&I in the *draft Metropolitan Strategy for Sydney to 2031*.

Accompanying this document are USB copies of the Universities video on the CIP framework that was presented to the University Senate on 24 August 2013. The video, and this document, will provide Government agencies with sufficient details and understanding the University's major transformational projects already approved and commenced, the evolution, principles and priority targets of the Campus Improvement Program 2014-2020, and the various CIP specialist inputs being considered.

It is anticipated that this summary will assist the Department in its preparation of Director-General's Requirements.

2.0 The University of Sydney - State Significant Development

The University is recognised as Sydney's oldest and principal University specialising in tertiary educational and research pedagogy. In 2013 the University attracted some 50,000 enrolments, employed over 7,500 permanent staff, and generated over 5,000 jobs in the areas of construction, facilities, maintenance and services. The University is a significant employment node and destination, as well as a future employment provider through its qualified students.

The University's Camperdown-Darlington campus is located within the Global Sydney 'city-shaper', within the Sydney Education & Health precinct of the *draft Metropolitan Strategy for Sydney to 2031*. The University's recent submission to the DP&I on the draft strategy has highlighted the significant contribution that the University brings to this precinct through high volume of domestic and international student enrolments, academic/ staff/ construction workforce, and as a centre of excellence in education and research pedagogy.

As part of its current capital works program, the University has successfully managed and developed an impressive and significant capital projects program over the last 5 years with a value exceeding \$735 million. Examples include the University's three major transformational projects:

- \$385 million Charles Perkins Centre for Obesity, Diabetes and Cardiovascular Disease;
- \$250 million Abercrombie Precinct Redevelopment Project: Sydney Business School; and
- \$110 million Australian Institute for Nanoscience.

Details of these projects can be found on the following website <http://sydney.edu.au/about/profile/building-projects/index.shtml>



Transformational Projects currently under construction: The Charles Perkins Centre, Abercrombie Business School and the Australian Institute of Nanotechnology.



These three major transformational projects are currently under construction on the Camperdown-Darlington campus and will result in increased construction employment as well as full time academic and research and teaching and administrative employment growth in the sectors of Medicine, Nanoscience and Business. The University's investment in these projects attracts research grants resulting in specialised jobs and encourages and supports collaboration with relevant industry sectors.

This combined works program represents a current injection into the NSW economy of more than \$1 billion in construction and related activities. Furthermore, budgetary forecasts for the University's Campus Improvement Program 2014 - 2020 projects an additional estimated \$1.2 billion in construction spend over this seven-year period.

3.0 The Campus

The University's Camperdown-Darlington Campus is located in the heart of Sydney, is well connected to principal railway stations and bus services close to the CBD, and enjoys the following metrics:

- **Campus Size:** 49 hectares (Camperdown 33; Darlington 16);;
- **Student enrolments:** 50,206 enrolments; 70% domestic; 30% international \$110 million
- **Construction Jobs:** 5,100 construction; contractors facilities maintenance
- **Built environment:** 237 buildings (186 habitable);
- **Employment:** 7,554 full-time staff: 2,109 administrative; 5,400 faculty

The campus site the subject of this application is highlighted in the plan below.



4.0 University of Sydney Profile

Located in the heart of Sydney, and on various satellite campuses throughout NSW, the University of Sydney is unique among Australia's leading universities in the breadth of disciplines it offers:



Student mix: The University targets a mix of between 60 and 70 per cent undergraduate student load, up to 15 per cent postgraduate research student load, and between 20 and 30 per cent postgraduate coursework student load. Our international students, from more than 130 countries, make up almost a quarter of the student body.

Student enrolments: The University currently has 50,206 enrolments and 39,124 EFTSL. Domestic student load is targeted between 65 and 70 per cent, and international student load is targeted between 25 and 30 per cent.

It should be noted that the CIP does not envisage a significant increase in student enrolments. The campus is close to capacity, and the CIP framework is consequently targeting an increase in the quality of teaching, learning, research facilities and infrastructure.

Employment profile: In 2012, the University employed approximately 7,500 full time staff, comprising 2,100 administrative staff and 5,400 faculty staff. At August 2012, the University's student:staff ratio was 17.6:1.

Construction and capital works activity: The University is committed to a variety of construction and capital work programs that include major transformational projects (the Charles Perkins Centre, the Abercrombie Business School, and the Australian Institute for Nanoscience), existing building upgrade works, and regular building facilities and maintenance works. The University currently generates more than 2,000 construction jobs on the three major transformational projects as well as over 200 capital works building projects. The University also employs more than 3,000 inducted contractors for facilities maintenance and related services.

World-Class Research: The University consistently ranks among the top 100 universities in the world. The federal government's 2012 Excellence in Research Australia initiative rated 100 per cent of our fields of research at world standard or above in all 22 broad discipline areas in which we were rated. In 2012, the University was the second highest recipient of funding from granting bodies listed on the federal government's Australian Competitive Grants.

As part of our current strategic plan, we are also investing in initiatives to support the current and future research talent we provide to the NSW workforce through technical disciplinary training, more general training in research leadership and management, skills in commercialisation and communication, and in developing cross-disciplinary research capabilities

These initiatives are part of our broader strategy to make it easier for researchers to reach across disciplinary boundaries and get to grips with some of the most pressing issues of the 21st century. For example our Charles Perkins Centre aims to deliver sustainable solutions for obesity, diabetes and cardiovascular disease, while our China Studies Centre aims to improve Australia's cooperation and relations with China and better understand its impact on the world. Work such as this makes a real difference by informing decisions in government, industry and the wider community. We collaborate closely with external partners and regularly take part in government, parliamentary inquiries and policy reviews.



Degrees of Inspiration: By studying alongside world-class researchers, our students are exposed to excellence and taught to think critically. We challenge them to succeed as leaders in whatever career field they choose.

To build aspiration among young people from all backgrounds, we are committed to providing the best access, facilities and support. The University of Sydney student experience has been repeatedly recognised as the best in the country by the National Union of Students. We encourage our students to get involved in life outside the classroom, participate in our 200+ social clubs and share their views in University decision-making.

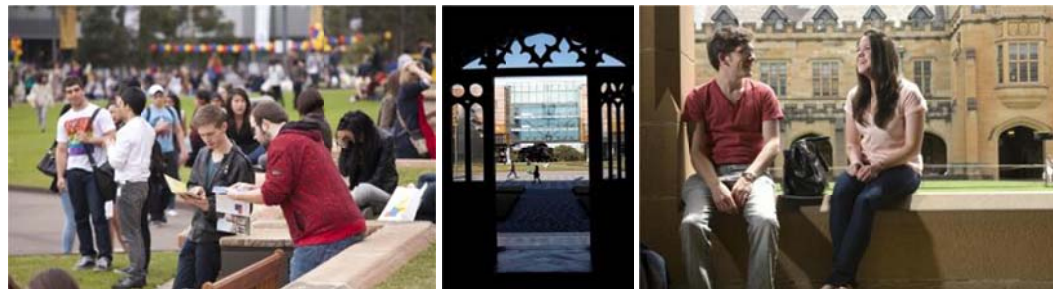
We also contribute to Sydney more widely through our championship-winning sports teams, ground breaking art and music, and fascinating museums, one of which houses the largest collection of antiquities in the southern hemisphere. The University's museums and art gallery attracted more than 95,000 visitors in 2012, while our Sydney Ideas public lecture series welcomed almost 13,000 people to hear globally prominent speakers discuss the key issues facing the world, from human rights to climate change.

In creating the first tertiary education institution in Australia more than 150 years ago, the University's founders recognised the power of education to change society. We hold that belief just as strongly today.

Social Inclusion Strategies: The University has adopted the following social inclusion strategies:

The 'Wingara-Mura Buna Barrabugu' strategy informs how the University works as a community to empower Aboriginal and Torres Strait Islander cultures and perspectives as part of its identity; expands Aboriginal education, research and engagement to become a core activity of the University.

The University's student accommodation program incorporates a 'Student Well-being' strategy providing informed resources, services and support to students from both within the University and from the wider community. This requirement will result in increased community capacity, linked up services (government, non-government and university) and assist in the University fostering social inclusion for all students.



5.0 The Campus Improvement Program 2014-2020 (CIP)

The University of Sydney's Campus Infrastructure and Services (CIS) team is currently preparing the Campus Improvement Program 2014-2020 (the CIP) for the University's Camperdown-Darlington campus. The CIP will result in an implementation program that identifies, prioritises, stages, and budgets the campus development, infrastructure and access priorities over this 7-year period. The CIP will effectively serve as a masterplan implementation strategy for this period, and is being prepared in close consultation with state and local government agencies. It responds positively with the NSW Government objectives of reforming the *Environmental Planning and Assessment Act 1979*, particularly through up-front strategic and consultative plan making.

In March 2008, CIS published the draft University of Sydney Campus 2020 Masterplan. The draft Masterplan recommended a number of faculty precinct concentrations, strategic recommendations for traffic and pedestrian movements, and site development and open space/connection opportunities, for the Camperdown/Darlington campus. However the draft Masterplan document did not proceed to address development priorities, staging and budget estimates over time.

Since 2008, the University has attained development approval for and has commenced construction of three significant transformational projects, which were not identified in the Masterplan document. These include:

- The Charles Perkins Centre for Obesity and Cardiovascular Disease, Camperdown campus.
- The Australian Institute of Nano Science, Camperdown campus.
- The Abercrombie Business School, and adjoining Student Accommodation building, Darlington campus.

CIS has now prepared a CIP Framework that evolves beyond the 2008 Masterplan document, and applies a feasible and prioritised development and infrastructure program based on internal business case studies developed within the University's faculties and professional service units.

The draft CIP shall be presented to the University Senate for its consideration and recommended endorsement on 2 December 2013. Pending Senate endorsement, the CIP shall then be lodged as a Stage 1 Development Application (State Significant Development) with the DP&I before the close of December 2013.

It is anticipated that an approved CIP Stage 1 Approval will provide the University with an endorsed framework of greater certainty for development staging and budget commitment, for the future built form growth of the Camperdown-Darlington campus.

The CIP process has the benefit of providing University stakeholders, surrounding communities, and relevant Government agencies, with a holistic and committed strategy of how the University will grow over this period.

Furthermore, the final adopted CIP will serve as a live University policy that can be annually reviewed and updated, and followed by a further CIP program from 2020 onwards.

At the heart of the CIP is its vision to:

- Upgrade the quality of Campus facilities.
- Support World research excellence and promote collaborative research facilities.
- Created shared learning and teaching pedagogy between Faculties.
- Recognise and celebrate Aboriginal significance.
- Generate a vibrant & affordable Campus Student life through student accommodation.
- Develop a healthy and sustainable Campus environment.
- Ensure equitable access to and through Campus.
- Respect the heritage “Sandstone University” significance.
- Establish the Campus as a visitor destination.

The University’s CIP 2014-2020 program projects the introduction of an estimated 4,000 affordable student accommodation beds onto campus, supported by a retail strategy to service the future campus and existing neighbourhood populations. The CIP will demonstrate a genuine delivery of affordable student accommodation, and will promote sustainable land usage through opportunities for mixed-use buildings. This provision is instrumental in supporting the University’s principle role of sustainable education, research and health.

The CIP will incorporate a large number of land uses across the campus consistent with its current “Educational Establishment” role. The CIP will provide definition to these uses and will promote built form envelopes for a number of campus precincts and development sites.

5.1 The CIP Framework Priority Areas

The CIP framework identifies the following key priorities earmarked for the CIP 2014-2020 period. Where relevant, a campus map showing building locations or initial CIP content are provided for DP&I's information:

Decanting sites: Existing buildings that become vacated as a consequence of the current 3 transformational projects (under construction), and which can serve as temporary accommodation for University faculties/schools, staff and students during future development programs.



Emerging Precincts: These are the priority campus precincts that co-locate faculties and schools with related synergies and opportunities for shared teaching, learning and research facilities. The CIP framework identifies the following 5 principal growth and development precincts:

PRECINCT A – DARLINGTON ROAD (Regiment to Maze Crescent car park): Future co-location Faculty of Arts & Social Sciences, student accommodation, retail, conference, and parking facilities.

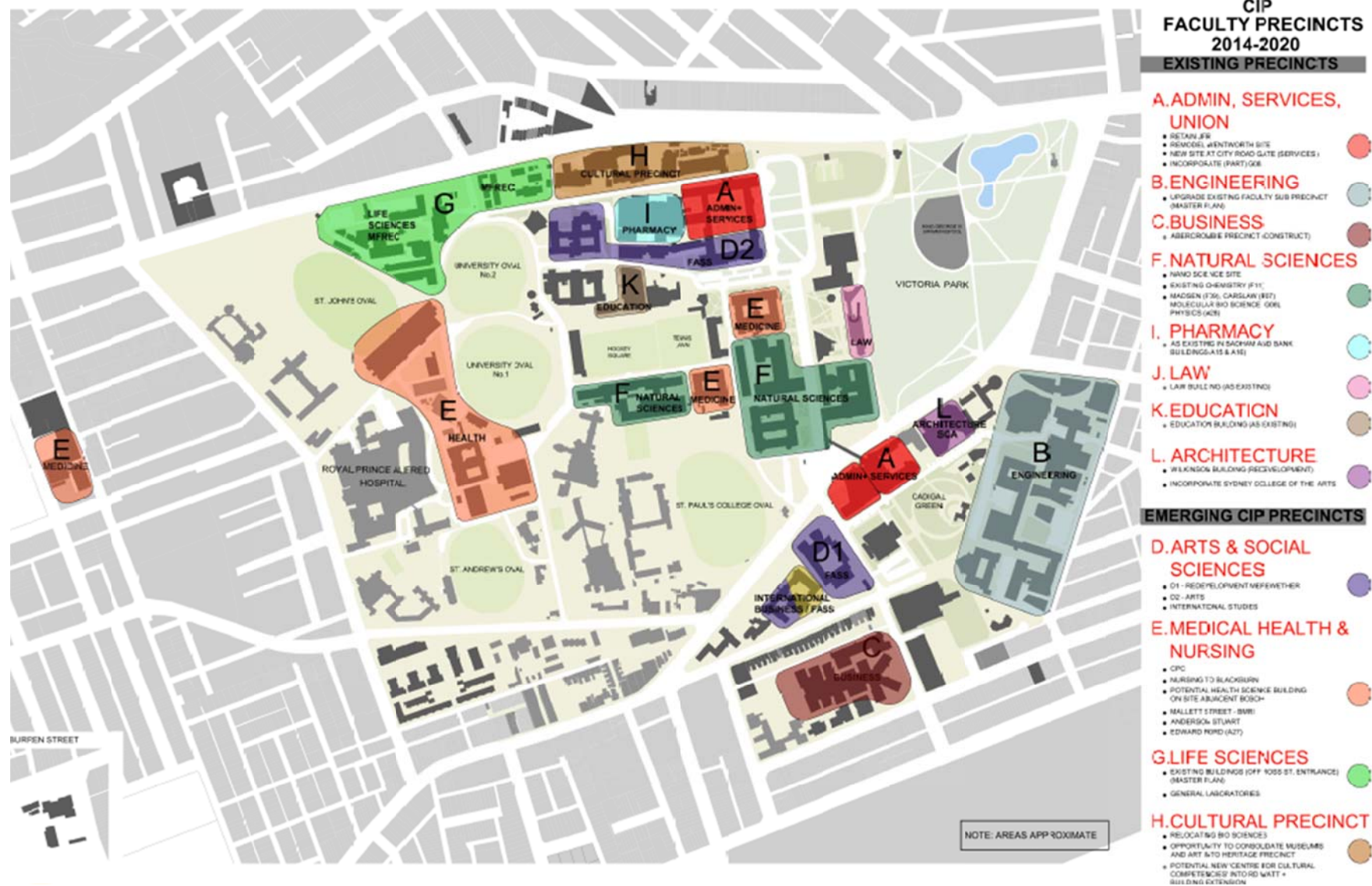
PRECINCT B – ENGINEERING DARLINGTON: Upgrade of the existing Engineering precinct bounded by Shepherd Street, Cleveland Street (Shepherd Street car park), and east edge of the campus Cadigal Green.

PRECINCT C – HEALTH SCIENCES (Blackburn-Bosch group of buildings): Future co-location of Nursing and Midwifery, Pharmacy, and Dentistry and Medicine.

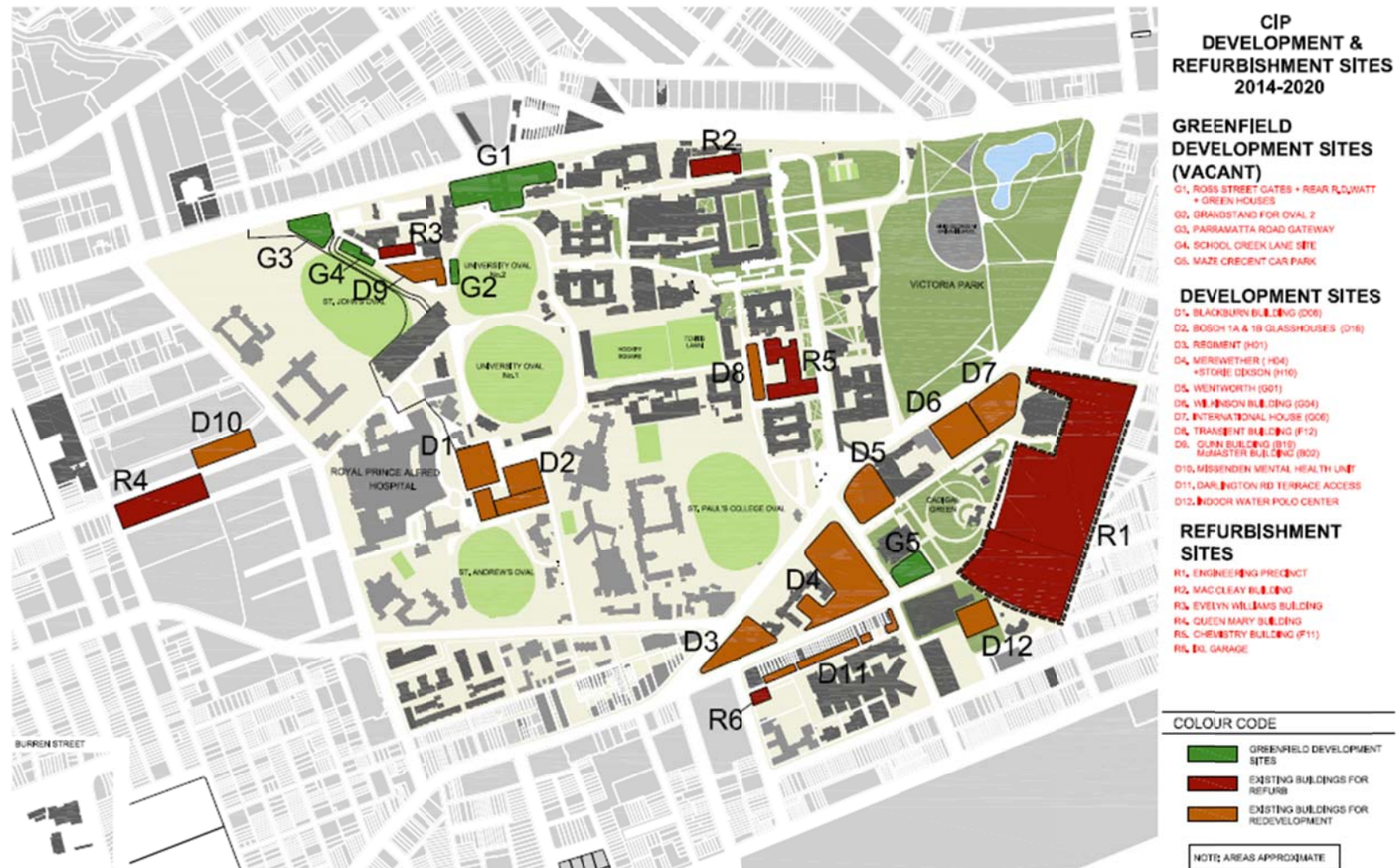
PRECINCT D – LIFE SCIENCES (Vet science precinct McMaster to Gunn): Future co-location of Vet Sciences, Agriculture and Biological Sciences.

PRECINCT D – CITY ROAD (Wentworth Building to International House): Future City Road building addressing teaching, learning and student accommodation, and professional service hub opportunities.

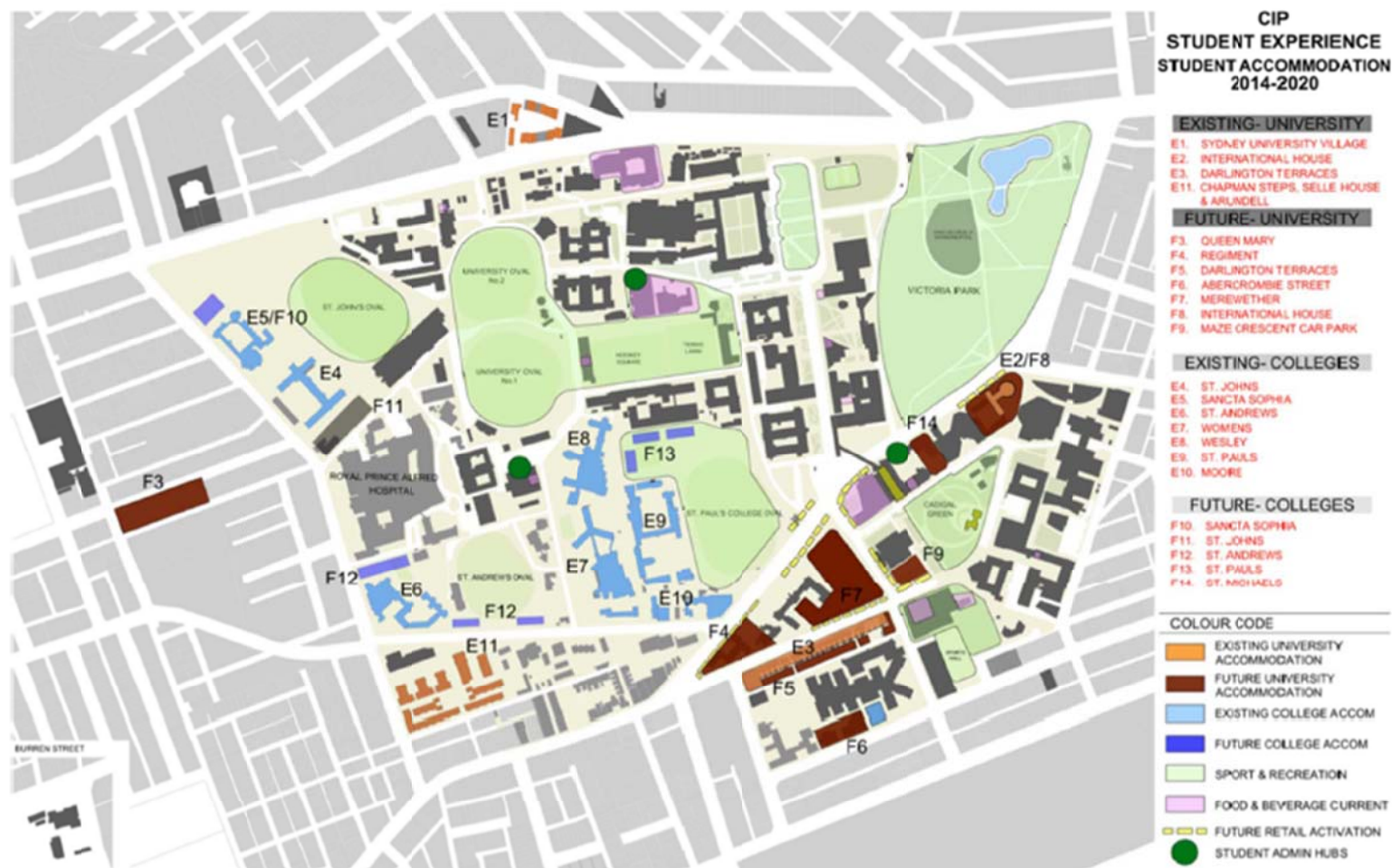
The locations of these precincts are shown on the following map.



Development sites: The next generation of development sites focuses around the above-mentioned campus precincts and comprises greenfield, redevelopment and refurbishment sites and buildings.

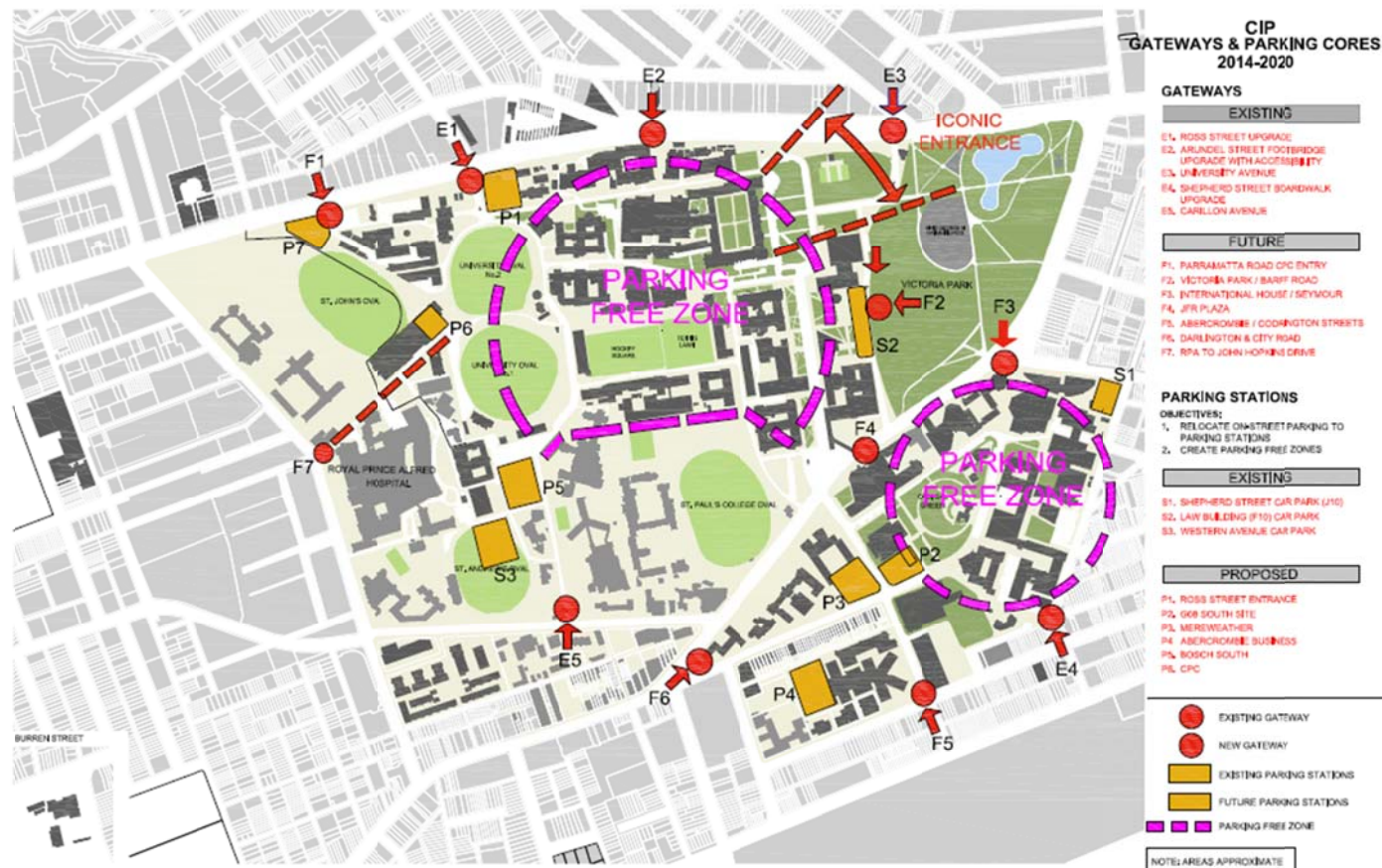


Student accommodation sites: Development sites to accommodate future provision of up to 4,000 affordable student accommodation beds, and with opportunity to be designed and integrated within multi-purpose teaching and learning facilities.

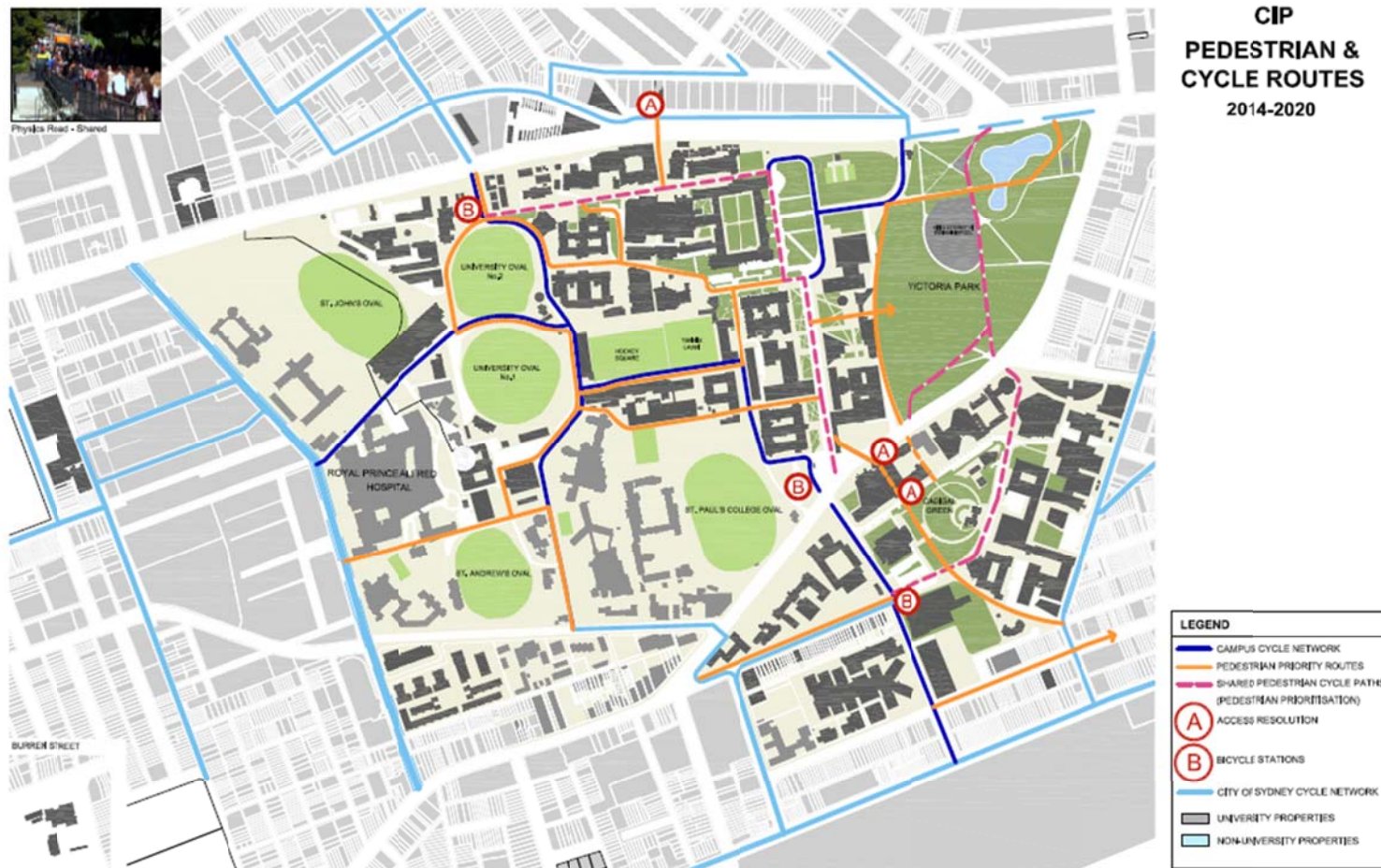


Campus Gateways: Identification of principal campus gateways/arrival points and is designed to integrate and connect with surrounding communities and land uses.

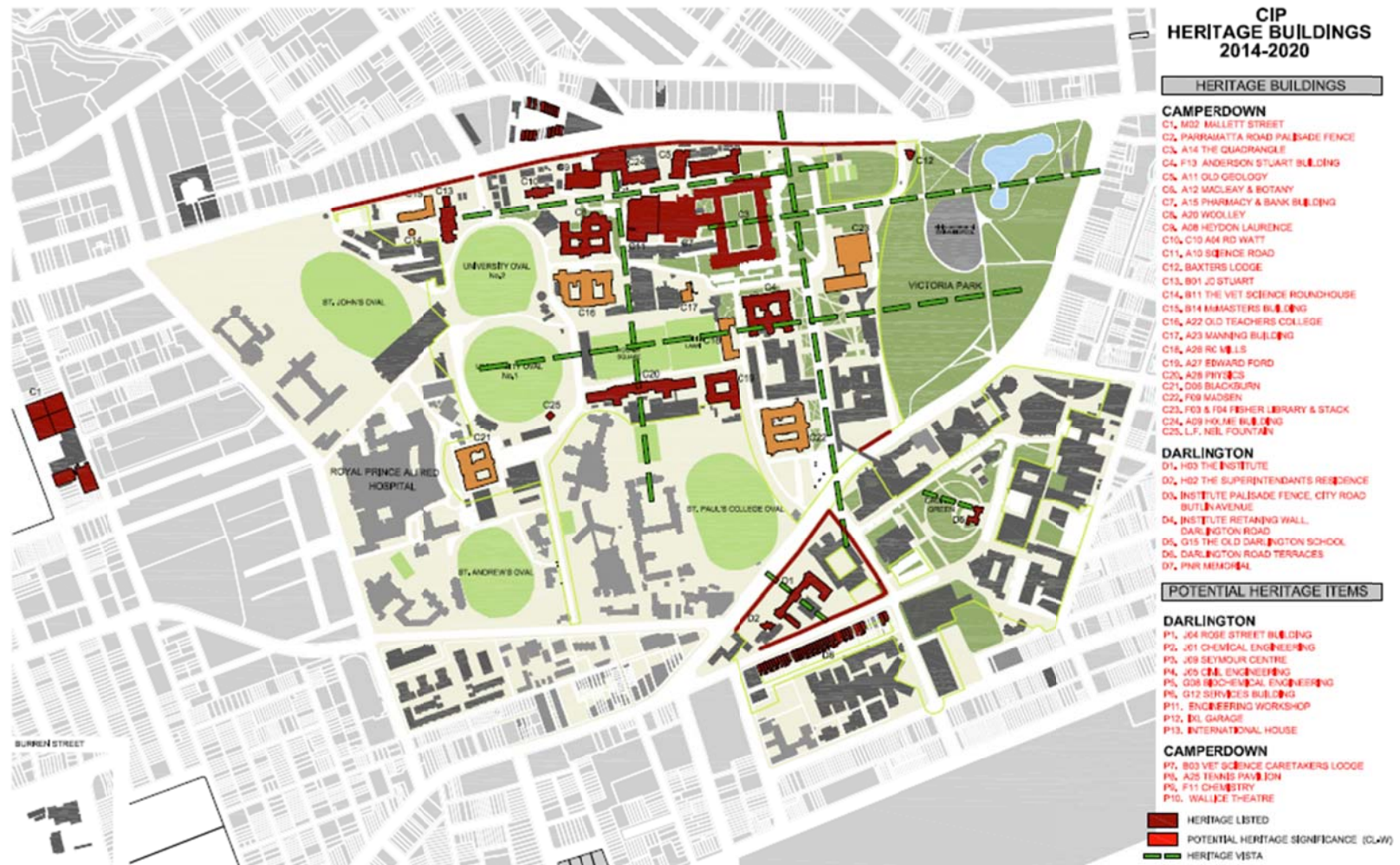
Parking & Service Dock stations: Rationalisation of campus surface parking to peripheral campus parking stations that can be integrated into multi-purpose buildings. Identification of future service dock stations to coordinate and facilitate service deliveries within and around campus. Reduction of unnecessary vehicle movements across campus.



Vehicle/Pedestrian/Cycle Prioritisation: Opportunities for rationalising vehicle movements across campus, promoting traffic calming along campus roads, encouraging pedestrian access and mobility along footpaths and to all buildings, promoting cycle paths connecting to the City of Sydney cycle network, cycle end of trip facilities, promoting a safer pedestrian and cycle environment, and promoting greater use of public transport.

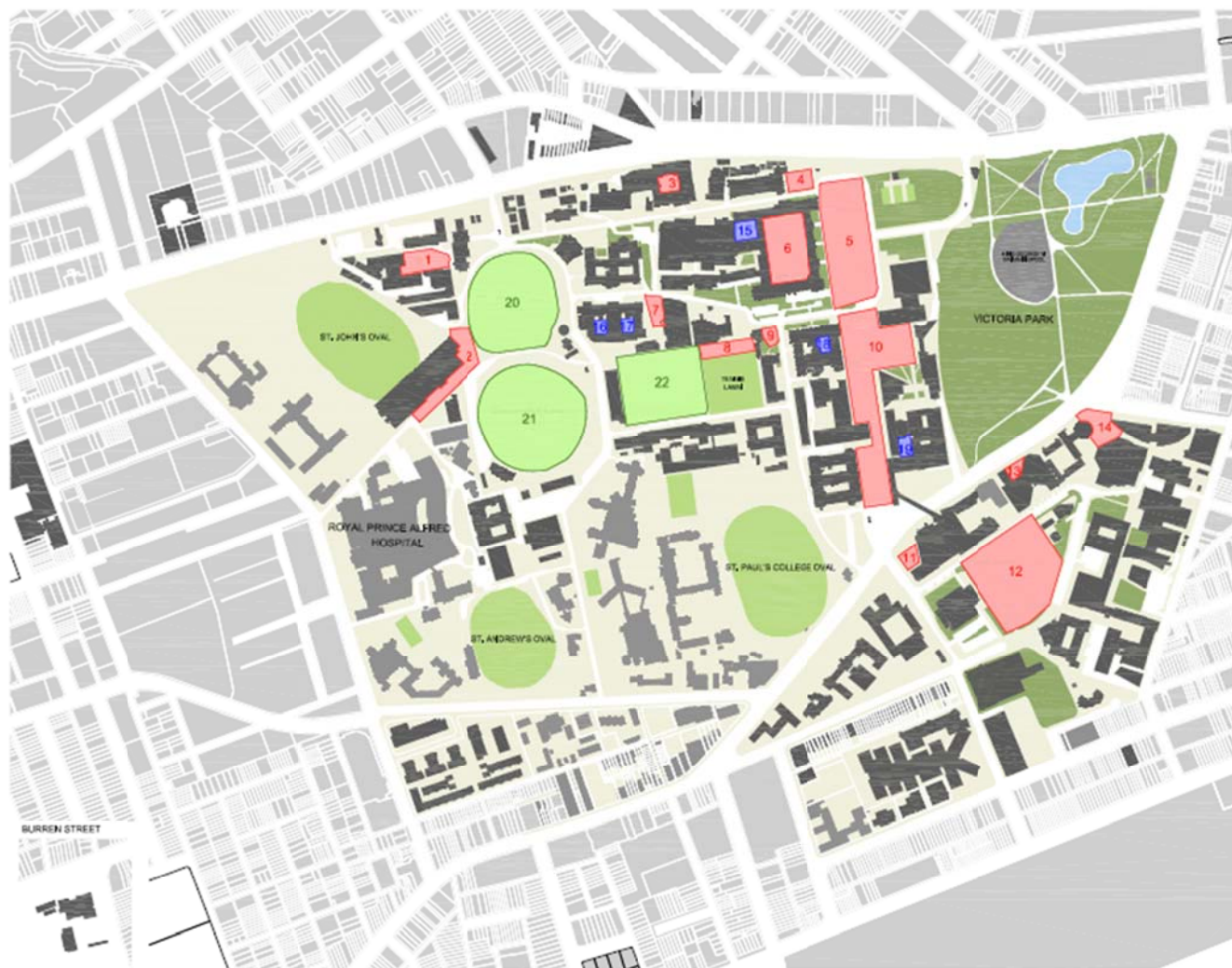


Heritage sites and campus conservation: Existing heritage items requiring maintenance and protection. Ensuring a heritage strategy for future development and conservation.



Public Art and Outdoor Events: Appropriate sites for University active and passive outdoor events, and for outdoor public art locations.





CIP OUTDOOR EVENTS MAP

Location Number	LOCATION NAME
ACTIVE USE	
1	Vet Science Conference Centre Lawn
2	Charles Perkins Centre
3	Holme Building Courtyard
4	Botany Lawn
5	Front Lawns
6	Main Quadrangle
7	Education
8	Manning House / Tennis Pavilion
9	Isabel Filder
10	Eastern Avenue
11	Wentworth Building forecourt
12	Cadogan Green
13	Wilson Building forecourt
14	Seymour Centre forecourt
PASSIVE USE	
15	VC's courtyard
16	Naked Lady courtyard - OTC
17	Men's courtyard - OTC
18	Anderson Stuart courtyard
19	Carlaw building courtyard
SPORTS USE	
These sites are predominantly used for sporting events, but may vary occasionally incorporate outdoor events eg. outdoor cinema, corporate sports events etc.	
20	Oval No.2
21	Oval No.1
22	Hockey Square

Utilities mapping: Identifying the current location and capacity of utility services across campus including electricity, gas, water and stormwater. Develop strategies for future utilities requirements.

Libraries: Identifying current Library locations. Options for future library facilities as part of CIP future growth.

3D BIM Model: Linked to the City of Sydney's 3D model, the University's model will address prioritised precincts and development sites with appropriate building envelopes and connections.

Development Program: Annual development program 2014-2020 that allocates a notional annual staging of the principal development and budget program during the CIP period.

5.2 Student Accommodation

A key component to the Campus Improvement Program is the provision of additional and affordable student accommodation facilities throughout the campus. The CIP will demonstrate a genuine delivery of accommodation that is affordable, and will promote sustainable land usage through opportunities for mixed-use buildings. The *University of Sydney's Strategic Plan 2011 – 2015* identifies the need to develop over 4,000 beds of student housing within close proximity to the main campuses at Camperdown and Darlington to bridge the current undersupply in housing stock and meet the future expected growth in demand. The University is committed to delivering this objective throughout the CIP and has established a dedicated student housing project team to focus on the planning and development management of projects.

In recent months, the University has made investigations into the level of supply of accommodation in close proximity to the main campus at Camperdown. The findings of this study are alarming; many University of Sydney students are placed in a position of “housing stress” as a result of increasing demand and unaffordable rentals in the locality. Purpose built student accommodation, both on the University's campus and within surrounding suburbs operates at 100% occupancy with lengthy waiting lists.

The University is actively planning a delivery strategy to achieve its goal for additional affordable student accommodation. A key part of that has been the recent acquisition of the Queen Mary Building, a former nursing accommodation facility, adjacent to the Royal Prince Alfred Hospital for refurbishment into some 800 affordable student accommodation beds. The NSW Government's commitment to this sale has contributed to the emerging partnership between the NSW Government and the University to find affordable student accommodation options to meet the significant undersupply in the market.

Additional Student accommodation has a number of broader advantages for the University, Government and local community. This includes:

- Stimulating the campus with more permanent University residents after hours and creating lively spaces in and around the University, thus improving safety, utilisation and sustainability of existing campus facilities.
- More students living on campus supports the broader Government initiative of reducing the need for travel, lessening pressure on the local transport system.
- The provision of much needed affordable student accommodation supply will in turn alleviate pressure on other affordable accommodation for key workers in the inner-western Sydney area.

5.3 Works for which Consent will be sought via State Significant Development Application

The following CIP components will form the basis for the State Significant Development Application to the NSW Department of Planning & Infrastructure.

The proposal will seek Stage 1 consent for:

1. A 7 year infrastructure and development program for the University's Camperdown-Darlington Campus, outlining the future use and activities for precincts within the campus.
2. Building envelopes and design guidelines/parameters to guide future development and redevelopment of new and existing key teaching and learning facilities within specific precincts of the broader master planned campus.
3. Definition of the range of University land uses provided on campus in support of its role as an 'educational establishment'.
4. Site identification and building envelopes for future student accommodation buildings across the campus to house up to 4,000 affordable student accommodation beds, including population targets for each building and design guidelines/parameters to guide future development of these facilities.
5. Identification of principal campus gateways/arrival points.
6. Rationalisation of existing parking and service dock stations to better integrate these into multi-purpose buildings on the periphery of the campus, including maximum car parking numbers.
7. A vehicle/pedestrian/cycle prioritisation plan to enable better connectivity through the campus and into the surrounding locality.
8. Identification of formal and informal University outdoor events and public art locations.

It is intended that the design guidelines/parameters for various precincts within the broader masterplanned campus precinct for the above buildings and works will be of sufficient detail to ensure future applications can be streamlined through the 'code assessable' (or similar) path under the proposed new planning system for NSW, to minimise the need for Development Applications to City of Sydney Council.

6.0 Consultation

The CIP framework and the associated development staging program has undergone extensive consultation with internal and external stakeholders.

6.1 Internal Consultation

The University has conducted a number of presentations and workshops across the University faculties and schools that are primarily affected by the CIP framework. The faculties and schools have provided positive feedback and support. The following University faculties, schools, and professional services have all had input and been consulted on the CIP Framework 2014-2020:

Faculty Health Sciences	Planning Information Office	Wesley College
Faculty Arts & Social Sciences	Finance	Moore College
Faculty Engineering	Marketing	The Alumni Forum
Biological Sciences	International Office	Office of General Counsel (OGC)
Town Planning (Faculty Architecture)	University Sydney Associations of Professors	CIS Facility Management & Services
BMRI	Sydney Uni Sports & Fitness (SUSF)	Information & Communications Technology
Pharmacy	Sydney University Libraries	
Nursing	CIS Capital Works	

Feedback from all parties has been collated into a document that has been referred to the CIP Working Group and has assisted in steering the CIP document.

6.2 External Consultation – Whole of Government Workshop

The CIP Framework 2014-2020 has undergone an extensive consultation program with a number of external State and local government agencies to gain early feedback into the development of the CIP framework. The Government consultation program culminated in a whole of Government authority workshop on the CIP that was hosted by the Department of Planning & Infrastructure on 19 June 2013. This meeting was extended to the following agencies and representatives:

- **Department of Planning & Infrastructure** – Norma Shankie-Williams, Juliet Grant, Daniel Cutler, Simon French
- **Heritage Council of NSW** - Vincent Sicari, Michael Ellis, Bronwyn Hanna
- **UrbanGrowth NSW** – Jason Perica
- **City of Sydney Council** –Chris Corradi, Andy Aspden
- **Transport for NSW** – Anisa Levy, Mark Ozinga
- **Roads and Maritime Services** – James Hall
- **Ausgrid** – Brad Eagle, Karl Ghest, Joe Marcon

The Government workshop participants have lent support to the CIP objectives, format and framework. The table below outlines comments raised by government agencies and how their issues are being taken into account by the University in the CIP.

Agency	Comment	Action
DP&I TfNSW City of Sydney	The CIP supports current Government agendas and objectives.	Noted
Heritage Council	CIP to include a framework in clearly defining the campus heritage significance.	CIS is developing an update of the University Grounds Conservation Management Plan as well as individual Heritage Impact Statements for sites affected by the CIP. A Heritage Office representative has been invited onto the University's Heritage Advisory Panel.

Agency	Comment	Action
TfNSW	CIP to include an 'Access Strategy' addressing parking distribution and management, travel demand strategy, and encouragement of travel modal split towards public transport.	The CIP will include an Access Strategy. The brief for this strategy has specifically been prepared in consultation with TfNSW.
Ausgrid	CIP to include a framework for addressing opportunities for efficient power distribution through the campus, reducing energy consumption and demand, and renewable energy provision.	This matter is already a CIS work in progress.

The University has also discussed the CIP with a number of departments within the City of Sydney Council. The University has agreed that the CIP include block modelling recommendations for the campus that can be integrated into the City's 3D model.

7.0 Supporting Information and Inputs

The University recognises the level of documentation required to inform the anticipated CIP development scenarios and strategy. It has therefore engaged a number of specialist consultants to assist in updating and refining details on specific matters such as strategic and statutory town planning, urban design, heritage, access, traffic, open space and retail. A comprehensive list is set out below.

To support the preparation of the CIP the University has:

- Engaged a Town Planning/Urban Design company to assist in establishing the strategic, statutory planning and urban design principles, and to consolidate the various CIP disciplines into one document with appropriate mapping and graphics. A draft CIP Stage 1 Concept document 'Contents' page is found at Appendix A of this document.
- Engaged a Transport and Traffic company to prepare an 'Access Strategy' to respond to, and be consolidated into, the final CIP document. Transport for NSW has agreed to the 'Access Strategy' program and has assisted the University in finalising that brief.
- Prepared a Pedestrian and Cycle Strategy around the Abercrombie Business School precinct that identifies a number of pedestrian and cycle improvements to the Darlington campus.
- Engaged Heritage consultants to review and update the existing campus Grounds Conservation Management Plan, and to provide an assessment on any heritage significance of precincts/buildings affected by the CIP. This work is being carried out in response to a Heritage Council request.
- Prepared mapping of the capacity of utilities supply to and through the campus, with a review underway of the capacity requirement for future CIP growth.
- Prepared a Flooding study of the campus, based on the recent City of Sydney's Johnston's Creek and Blackwattle Bay Catchment Studies.
- Preparing an energy master plan to secure cost-effective and sustainable energy supply and distribution infrastructure. The campus and CIP precincts/buildings will benefit from cost savings delivered by implementing the energy masterplan.
- Prepared an Information Communications Technology (ICT) and Telecommunications strategy for the future growth projections of CIP.
- Prepared a draft 'CIP Communications and Community Consultation Strategy' that will be developed into the CIP document.

In addition to these specific study updates the following policies and procedures are now in place and will contribute to the CIP.

1. The University has recently updated its **Disability Action Plan 2013-18**. This is designed to promote accessibility to and through the campuses as well as to and through campus buildings.
2. The University's **Wingra Murra - Bunga Barrabuga Strategy** promotes Aboriginal and Torres Strait Islander participation, engagement, education and research which is one of the University's core objectives.
3. The University of Sydney has developed a **Sustainability Framework** which aims to ensure all new buildings are designed to be resource and cost efficient. Key themes within the Sustainability Framework include:
 - Place making, amenity and sustainable transport;
 - Communication, engagement and community benefit;
 - Healthy environment;
 - Efficient resource use;
 - Climate change and impact; and
 - Land use, landscape and biodiversity.

Specific design features of the sustainability framework that seek to reduce utility consumption for all projects include:

- solar passive building design of building facades and glazing elements which will reduce reliance on heating ventilation and air conditioning plant to maintain thermal comfort;
- energy monitoring devices to keep track of utility costs;
- renewable solar energy technologies, e.g. solar rooftop PV and/or solar hot water system;
- rainwater harvesting for beneficial reuse;
- energy efficient appliances;
- water efficient sanitary ware;
- energy efficient lighting and controls; and
- transport infrastructure such as secure bicycle storage facilities, bike stations and cycles ways to facilitate cost-effective active transport and mobility.

The University of Sydney has prepared a draft **green travel plan** which promotes sustainable, healthier and more cost-effective and active travel modes: walking and cycling. It also supports linkages and access to public transport which will make mobility and transport more affordable and reduce dependence on private motor vehicle use. This document will be incorporated into the CIP Access Strategy.



8.0 CIP Timetable

The University has developed the following CIP delivery timeframe for 2013. This is to ensure that a Stage 1 Concept State Significant Development application can be lodged with DP&I by the end of 2013.

August 2013	➤ engage Traffic consultant for 'CIP Access Strategy' ➤ engage Planning consultant for CIP document- ➤ University letter to DP&I for Director-General Requirements and acknowledging CIP as 'State Significant Development' ➤ CIP report and video to the Senate meeting
October 2013	➤ draft CIP document for CIS review
November 2013	➤ draft Executive Summary for University Senate
December 2013	➤ 2 Dec: University Senate meeting to consider and endorse the CIP ➤ CIP Stage 1 State Significant Development Application lodgement before close of 2013

9.0 Conclusion

This submission supports a request for the Director-General's agreement to accept the Sydney University's Campus Improvement Program 2014-2020 as a State Significant Development, and to provide the University of Sydney with a list of Director-General's Requirements (DGRs) to be addressed in the Stage 1 State Significant Development application and Environmental Assessment report.

This University submission and request for DGRs is considered to be justified for the following reasons: -

- The application is made by a Crown authority, being The University of Sydney.
- The University of Sydney CIP qualifies as a State Significant development under *SEPP (State and Regional Development) 2011* and will attract a capital investment value well in excess of \$30 million.
- The preparation of the CIP Framework to date has included close consultation with key State and local Government authorities.
- In 2012, the University alone employed a total 7,554 full time staff, comprising 2,109 administrative staff and 5,400 faculty staff. It also generates over 5,000 construction/facilities/maintenance/services jobs. The CIP will continue to create new construction and administrative employment opportunities through new and refurbished buildings and infrastructure.
- The CIP will assist in the creation of new jobs and labour force, and will further promote the University as a principal health, education, and visitor destination.
- The CIP growth strategy will have a flow on effect to the local business centres and residential communities including Newtown, Glebe, Redfern, and Broadway.
- The University is a key employment contributor to the NSW economy, not only as a major employment centre, but also as an employment provider through its annual 18,000 graduates. A great proportion of these graduates will directly contribute to the Sydney and NSW economies.
- This current University capital works program represents an existing injection of more than \$1 billion in construction and related activities into the NSW economy
- The CIP projected budget forecasts will contribute approximately \$1.2 billion in construction spend over this seven-year period.

10.0 Appendices

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University of Sydney Campus Improvement Program 2014-2020
Stage 1 Development Application Draft Contents

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