

Meeting Minutes

RMS Briefing – CHW Stage 2 Project

Meeting No.: 2

Date/Time: 4 November 2019

Start: 3:00pm

End: 4:00 pm

Venue: Level 6, Argyle Street Parramatta

Attendance

Name		Organisation	Role
Brendan Pegg	BP	RMS	Senior Land Use Planner
Andrew Lissenden	AL	RMS	A/Senior Land Use Planner
Vic Naidu	VN	RMS	Land Use Planner
Fraser Leishman	FL	RMS	Project Director
Renee Temple	RT	RMS	Administrator
Matt Vizard	MV	Health Infrastructure	Director, Western Region
Angela Jeffery	AJ	Health Infrastructure	Senior Project Director
Caleb Teh	CT	Health Infrastructure	Project Director
Clancy Mears	CM	Pw C	Project Manager
Hanan Husaini	HH	Pw C	Project Manager

Item	Topic - Actions	Action	By
1.0	Introductions		
1.1	HI provided an introduction and outlined the purpose of the meeting.	Note	-
1.2	PwC provided an overview of the Project Design Team.	Note	-
2.0	The Project		
2.1	PwC provided a brief overview of the project noting CHW Stage 2 consists of a new Paediatric Services Building (PSB) and other non-clinical priorities including a new MSCP, link ways and back of house support services.	Note	-
2.2	The proposed location of CHW Stage 2 was presented noting this is subject to the master planning process.	Note	-
2.3	It was noted that the following packages of work are anticipated: <ul style="list-style-type: none"> • Early Works <ul style="list-style-type: none"> ○ Interim Car Park ○ Demolition of P17 ○ Services Diversions ○ Others (tbc) • MSCP • PSP 	Note	-
3.0	Project Roadmap		-
3.1	The project program including the early works sequencing was presented.	Note	-
4.0	Westmead Hospital Central Acute Services Building (SSD 7642)		
4.1	It was noted that the State Significant Development Assessment Report for the Westmead Hospital Central Acute Services Building (SSD 7642) recommended improvement works for the intersection of Briens Road/Redbank Road to aid in reducing deterioration in the morning peak.	Note	-
4.2	RMS noted that the above condition will be subject to the following: <ul style="list-style-type: none"> • Location of the MSCP; and • Car Parking Demand The above will be required to complete an analysis and confirm if the condition will apply for CHW Stage 2.	Note	-
4.3	GTA Car Parking Demand Study to be issued to RMS to assist with the upgrade analysis.	HI	8/11/19
5.0	Other Business		-
5.1	RMS to confirm what other works are occurring within or adjacent to the Westmead Precinct.	RMS	14/11/19
5.2	HI to issue a copy of the Traffic & Transport Engineering scope to RMS for review. [Post Meeting Note]: The Traffic & Transport Engineering scope has been issued to RMS. Any additional scope will be managed during the tender negotiation phase with the preferred consultant.	HI	8/11/19

Attachments:

- Presentation

The Children's Hospital at Westmead Stage 2 Redevelopment

Project Briefing

4 November 2019



Health
Infrastructure

1

Introductions

Project Team

- **Principal** – Health Infrastructure
- **Local Health District** – Sydney Children's Hospital Network
- **Project Manager** – PwC
- **Architects** – BLP
- **Cost Manager** – Altus Group
- **Civil and Structural Engineer** – Arup
- **Hydraulics Engineer** – Arup
- **Electrical and Communications Engineer** – Wood & Grieve Engineers
- **Mechanical Engineer** - Wood & Grieve Engineers

Other minor consultants are currently being procured.

2

The Project

Background

- In March 2019, the NSW State Government announced a \$619 million investment for further upgrades to the Children's Hospital at Westmead, which will include a new Paediatric Services Building (PSB) and refurbishment of the existing facilities.
- This project further develops the Westmead Precinct, one of Australia's largest health, education and research precincts and a critical part of the Central City, with its key centre, Parramatta, being the fastest growing CBD in Australia.

Scope

What's in the Building?

- Operating Theatres
- Interventional Suite
- Cardiac Cath Lab
- Neonatal Intensive Care Unit
- Paediatric Intensive Care Unit
- Comprehensive Cancer Centre
- Acute inpatient and day only Beds
- Sterilisation services
- Pharmacy Department
- Expansion of Pathology Services
- Back of House
- Parent Facilities
- Improved Consumer amenities
- Refurbishment: Mental Health and ambulatory care

Additionally, the following non-clinical priorities are proposed:

- Car parking, including replacement and some growth (demolition of the existing staff multistorey car park is required to enable the development of the new PSB) which requires development of an options analysis with consideration to the relocation of a childcare or Healthshare facility as a minimum. The program of
- these works need to be scheduled to ensure the site is vacant for the commencement of main works.
- Provisions for link ways, required engineering services upgrades, floor realignment and road upgrades.

The Site



Proposed CHW Stage 2 Location



Packages of Work

Early Works

- Interim Car Park (REF November 2019)
- Demolition of P17 (REF)
- Services diversions (REF)
- Others (tbc)

MSCP (SSDA or DA – TBC)

Paediatric Services Building (PSB) (SSDA)

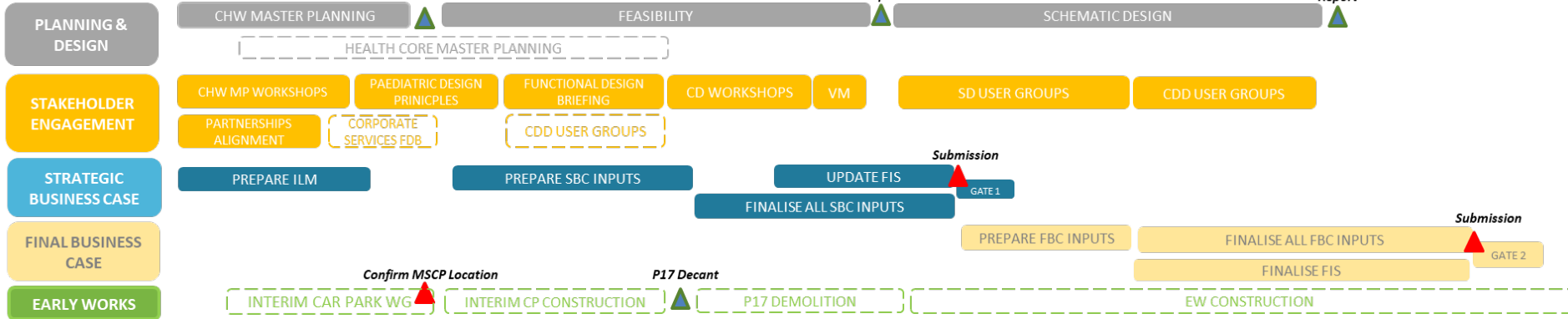
3

Project Roadmap

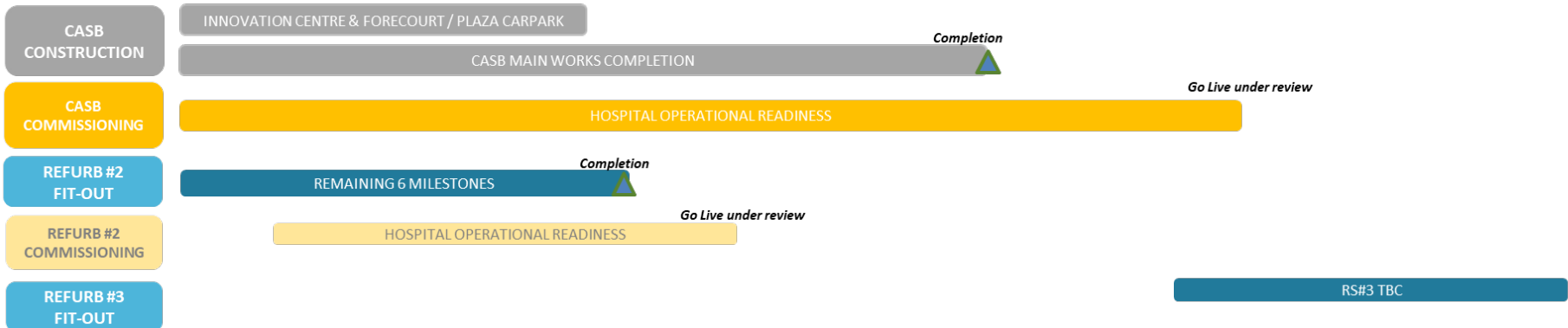
CHW Stage 2 Roadmap

	Q4 2019				Q1 2020				Q2 2020				Q3 2020				Q4 2020				Q1 2021	
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb				

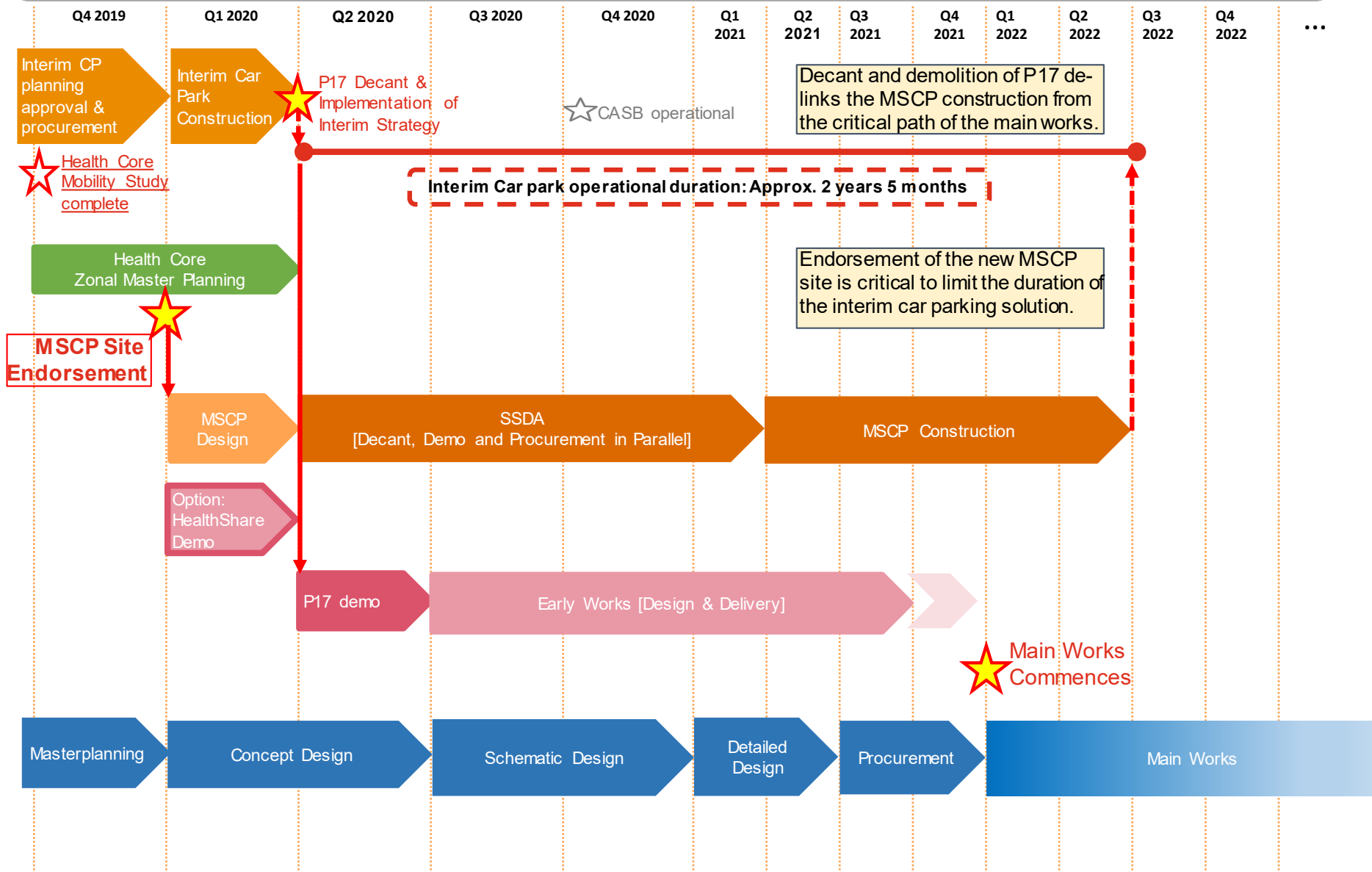
CHW STAGE 2



WESTMEAD REDEVELOPMENT



Early Works Roadmap



4

Westmead
Hospital Central
Acute Services
Building (SSD
7642)

Westmead Hospital Redevelopment SSDA Conditions

The State Significant Development Assessment Report for the Westmead Hospital Central Acute Services Building (SSD 7642) noted that:

'the Briens Road/ Redbank Road intersection is at or near capacity. The proposed traffic works deliver some benefit to Redbank Road, however the overall intersection would still operate at or above capacity in 2030. Upgrade opportunities at this intersection require further discussion with RMS/Council to address existing issues and background traffic growth, which would require a significant funding contribution beyond the funding allocated for the CASB development.'

RMS, TfNSW and Council recommended improvement works for the intersection of Briens Road/Redbank Road be completed to aid in reducing deterioration in the morning peak.

5

Others Business

Questions?

Meeting Minutes

Council Briefing – CHW Stage 2 Project

Meeting No.: 1

Date/Time: 4 November 2019

Start: 1:30pm

End: 2:30 pm

Venue: Level 11 Boardroom, 126 Church Street, Parramatta

Attendance

Name		Organisation	Role
Jennifer Concato	JC	City of Parramatta Council	Executive Director, City Strategy
Geoff King	GK	City of Parramatta Council	A/Director, City Strategy
Tim Hoffman	TH	Sydney Children's Hospital Network	Director Planning & Redesign
Matt Vizard	MV	Health Infrastructure	Director, Western Region
Angela Jeffery	AJ	Health Infrastructure	Senior Project Director
Caleb Teh	CT	Health Infrastructure	Project Director
Clancy Mears	CM	Pw C	Project Manager
Hanan Husaini	HH	Pw C	Project Manager

Item	Topic - Actions	Action	By
1.0	Introductions		
1.1	HI provided an introduction and outlined the purpose of the meeting.	Note	-
1.2	PwC provided an overview of the Project Design Team.	Note	-
1.3	It was agreed an introductory meeting is to be held between SCHN and Council CEs.	Council	22/11/19
2.0	The Project		
2.1	PwC provided a brief overview of the project noting CHW Stage 2 consists of a new Paediatric Services Building (PSB) and other non-clinical priorities including a new MSCP, link ways and back of house support services.	Note	-
2.2	<p>HI outlined the proposed Project Visions and Objectives noting particular focus on 'For the community & family strategy'.</p> <p>It was noted that the following should be considered as part of CHW Stage 2:</p> <ul style="list-style-type: none"> Hawkesbury Road activation; Provision of improved connection(s) to green space; and Opportunities for collaboration with the Powerhouse museum. 	Note	-
2.3	<p>It was confirmed the site comprises the following:</p> <ul style="list-style-type: none"> Innovation District Health Core Children's Hospital <p>HI to issue plan of the site which demonstrates the above zones.</p> <p>The proposed location of CHW Stage 2 was presented noting this is subject to the master planning process.</p> <p>[Post Meeting Note]: Plan has been issued to Council.</p>	HI	-
2.4	<p>It was noted that the following packages of work are anticipated:</p> <ul style="list-style-type: none"> Early Works <ul style="list-style-type: none"> Interim Car Park Demolition of P17 Services Diversions Others (tbc) MSCP Main Works (PSB) 	Note	-
3.0	Project Roadmap		-
3.1	The project program including the early works sequencing was presented. It was noted CHW Stage 2 is currently undergoing master planning.	Note	-
3.2	<p>It was confirmed that the draft Westmead Innovation District Master Plan (WIDMP) was endorsed by the Alliance noting endorsement was to be sought from respective organisations boards. Final endorsement was subject to the following:</p> <ul style="list-style-type: none"> Outcome of University of Sydney negotiations; Sydney West Metro location which has since been announced south of the heavy rail; and Traffic and Transport analysis which is underway with the DPIE. 	Note	-
4.0	Other Business		-
4.1	Council to review and confirm any proposed works associated with green space activation (e.g. Toongabbie Creek) and bicycle routes within or adjacent to the Westmead Precinct.	Council	22/11/19

Attachments:

- **Presentation**

The Children's Hospital at Westmead Stage 2 Redevelopment

Project Briefing

4 November 2019



Health
Infrastructure

1

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- This project further develops the Westmead Precinct, one of Australia's largest health, education and research precincts and a critical part of the Central City, with its key centre, Parramatta, being the fastest growing CBD in Australia.

Project Vision & Objectives

For the community & family togetherness

Providing a positive environment that supports the needs of the whole family and is welcoming and open to the community.

Specialist role of CHW

Enabling the hospital to fulfill its tertiary and quaternary role of delivering health care which is responsive to outcomes that matter to children and their families.

Integrated research & education

Enabling the integration of research and education, by fostering and growing strategic partnerships, to achieve clinical excellence in paediatric care in Westmead.

World leading

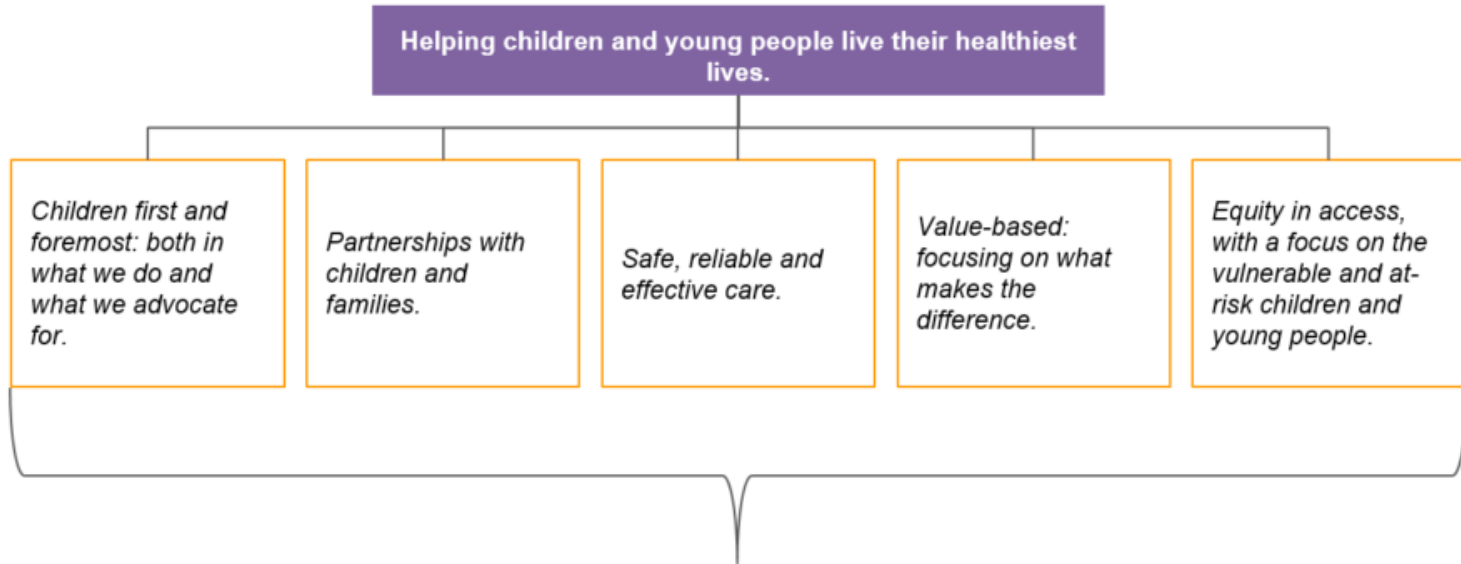
Furthering CHW as a world leading facility to train and attract the best at Westmead.

Future focused

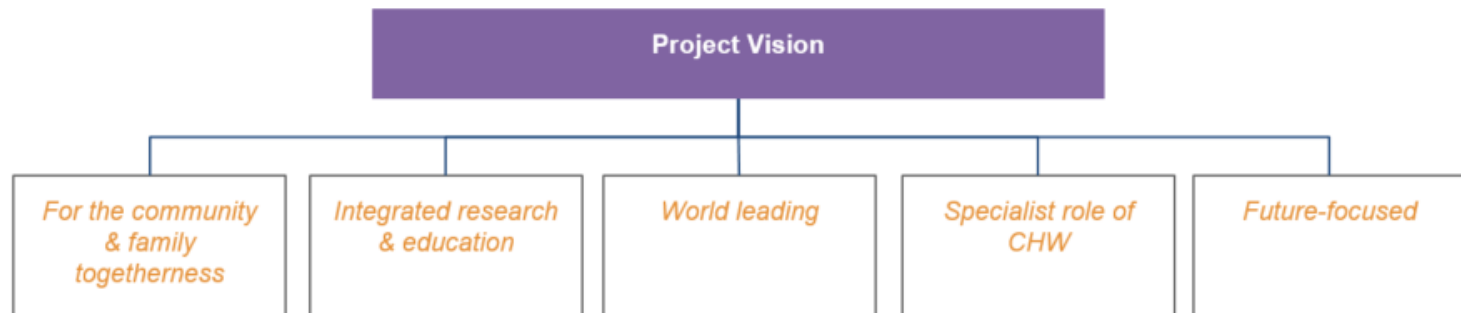
Providing infrastructure and services which are sustainable, agile and technology-enabled to support current and evolving models of care.

Project Vision & Objectives

Sydney Children's Hospitals
Network



CHW Stage 2 Project



Scope

What's in the Building?

- Operating Theatres
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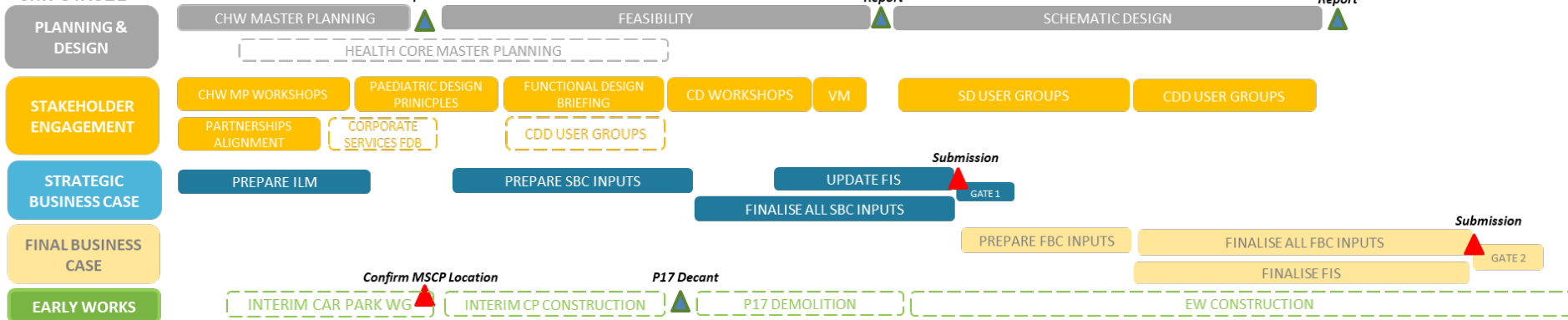
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Project Roadmap

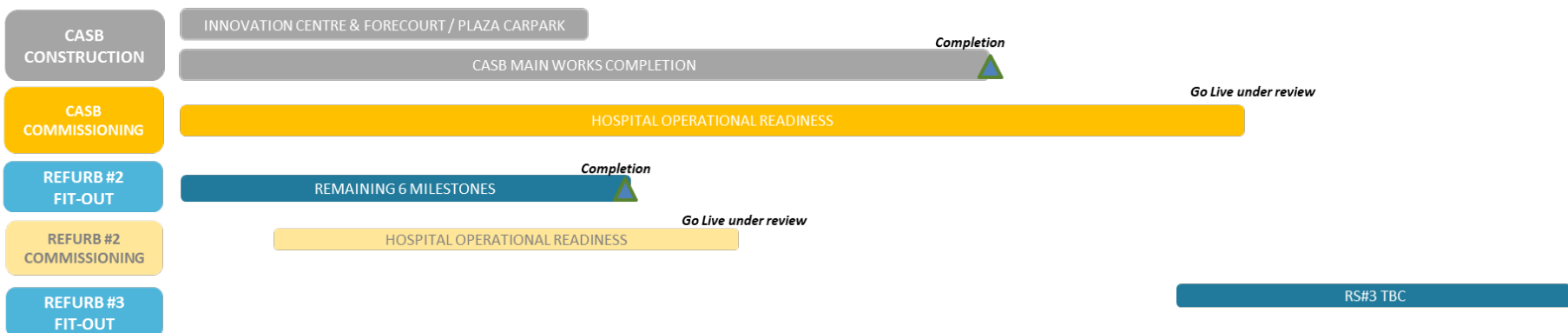
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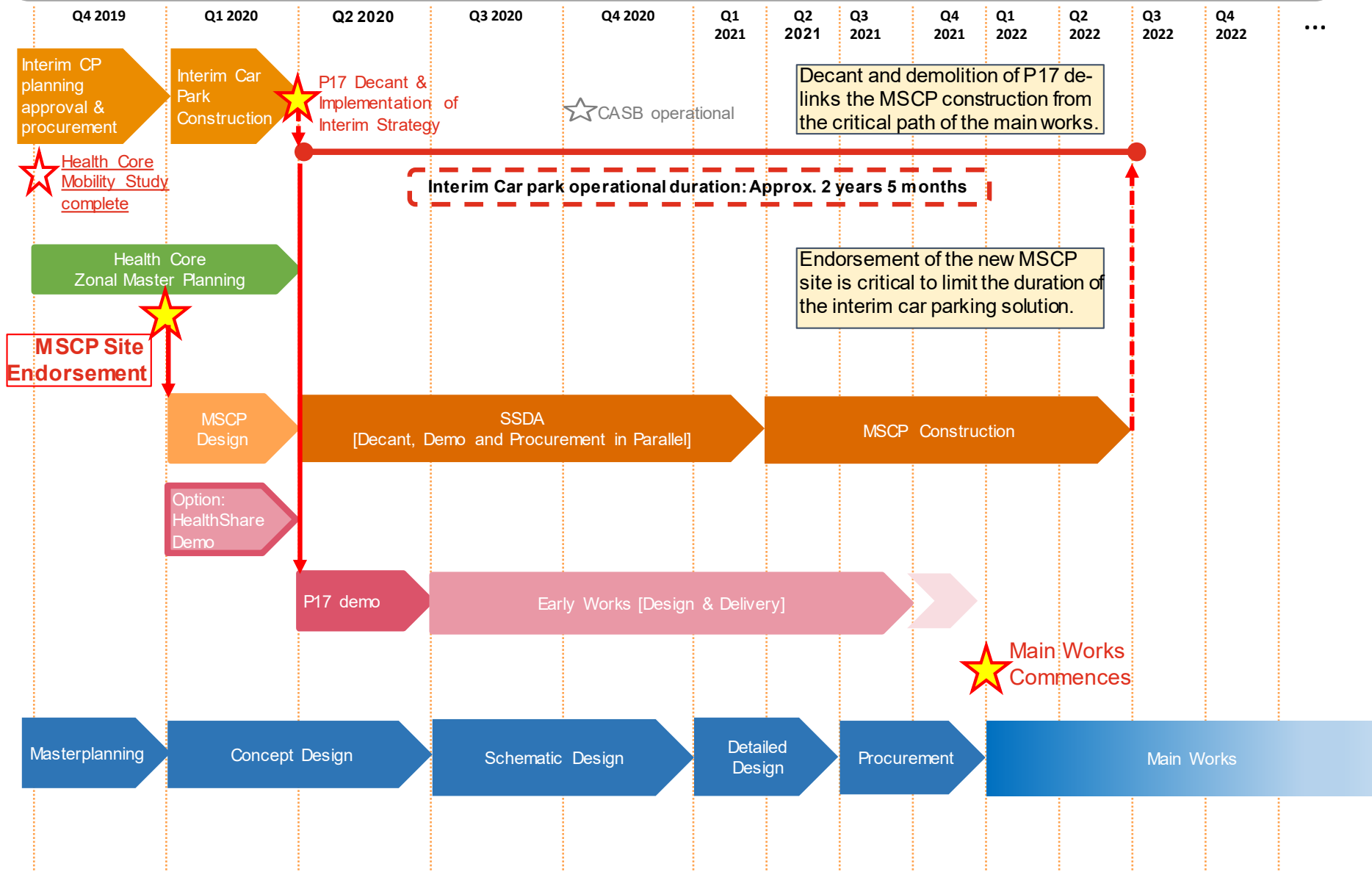
CHW STAGE 2



WESTMEAD REDEVELOPMENT



Early Works Roadmap



4

Others Business

Questions?

Meeting Minutes

The Children's Hospital Westmead Stage 2 – Transport for NSW / Health Infrastructure

Date/Time: 22 July 2020

Start: 2:30pm

End: 3:30 pm

Venue: Video Conference

Attendance

Name	Organisation	Role
Brendan Pegg	Transport for NSW	A/Senior Manager Land Use Assessment Planning and Programs
Vic Naidu	Transport for NSW	Land Use Planner Planning and Programs
Caleb Teh	Health Infrastructure	Project Director
Brigette Humphrey-Robinson	WSP	Traffic and Transport Engineer
Danijela Simic	PwC	Project Manager
Mary Sakr	PwC	Project Manager

Item	Topic - Actions	Action
1.0	Introduction	
1.1	HI provided an introduction and outlined the purpose of the meeting.	Note
2.0	Project Status	
2.1	HI provided a brief overview of the CHW Stage 2 Redevelopment, current status of works packages and programme.	Note
2.2	HI advised that under the government's push for construction spend as part of economic stimulus, the State Significant Development Application (SSDA) would be fast tracked to enable delivery of the Multi Storey Car Park (MSCP).	Note
2.3	A staged approach to the MSCP whereby there is nil net increase in the car parking operational capacity at the time of MSCP's opening (approximately 800-900 car spaces to replace existing spaces on the campus).	Note
2.4	The growth in car parking demand as a result of the CHW Stage 2 project would be addressed in the SSDA for the Paediatric Services Building (PSB), which is anticipated to be submitted late 2020 (approximately 300 additional car spaces to be opened over a period of time in line with hospital growth). PSB construction is expected to commence in early 2022.	Note
2.5	TfNSW advised they are comfortable and supportive of this staged approach to support the fast tracked SSDA, noting they will review traffic modelling based on the total number of car parking spaces to be provided.	Note
3.0	Transport Assessment	
3.1	WSP provided an overview of the transport assessment, including a response to TfNSW information request.	Note

Item	Topic - Actions	Action
3.2	TfNSW's initial advice is that they are comfortable with the growth data within WSP's Preliminary Traffic Assessment (dated 22/6/2020) and have no particular issues or concerns.	Note
3.3	TfNSW advised acceptance for 2020 traffic data to be projected by WSP due to COVID-19 anomalies with the current traffic.	Note
3.4	TfNSW advised that Saturday data to be captured in the modelling due to the close proximity of schools and universities to the precinct.	Note
3.5	The Parramatta Light Rail (PLR) has not been accounted for in WSP's Preliminary Traffic Assessment. The addition of PLR intersections may be required. TfNSW may run a simulation model to check the impacts.	Note
3.6	TfNSW to provide comments on the Preliminary Traffic Assessment, to allow WSP to amend the report as required.	TfNSW
3.7	TfNSW preference is that the traffic report to be submitted as part of the SSDA be issued to TfNSW for comment prior to lodgement of the SSDA.	Note
4.0	General/Other Business	
4.1	TfNSW to review SIDRA files and the Preliminary Traffic Assessment and provide advice prior to the MSCP SSDA lodgement (which is anticipated for late August 2020).	TfNSW
4.2	TfNSW advised to account for PLR's site commencing from the HAC boundary to the kerb (i.e. footpath forms part of the PLR site) when planning any works along Hawkesbury Road.	Note
4.3	Ongoing communication to take place regarding upcoming works along Hawkesbury Road.	Note
5.0	Actions	
5.1	PwC to submit WSP's SIDRA files to TfNSW (issued on 23/7/2020).	PwC
5.2	TfNSW to advise on the extent of the SIDRA files once reviewed.	TfNSW
5.3	TfNSW to seek PLR's comments on the Preliminary Traffic Assessment submitted and advise HI on any comments to be accounted for.	TfNSW

Attachments:

- **Presentation – CHW Stage 2 Redevelopment Transport Assessment**
- **SIDRA files**

Meeting Minutes

The Children's Hospital Westmead Stage 2 – Health Infrastructure / Parramatta Council Meeting

Meeting No.: 2

Date/Time: 24 July 2020

Start: 1:30pm

End: 2:30 pm

Venue: Video Conference

Attendance

Name		Organisation	Role
Matt Vizard	MV	Health Infrastructure	Director, Western Region
Caleb Teh	CT	Health Infrastructure	Project Director
Jennifer Concato	JC	City of Parramatta Council	Executive Director, City Strategy
Geoff King	GK	City of Parramatta Council	A/Director, City Strategy
David Birds	DB	City of Parramatta Council	Group Manager, City Planning
Kelly Van Der Zanden	KV	City of Parramatta Council	Group Manager, City Design
James Wright	JW	PwC	Project Manager

Item	Topic - Actions	Action	By
1.0	Apologies and Introductions		
1.1	Apologies and introductions noted.	Note	-
2.0	Update on The Children's Hospital at Westmead (CHW) Stage 2 Redevelopment		
2.1	PwC provided a recap of the project background, timeline, objectives and work packages including the Paediatric Services Building (PSB) and Multi Storey Car Park (MSCP).	Note	-
2.2	<p>The following Key Urban Drivers were presented:</p> <ul style="list-style-type: none"> Permeability of the development, and the importance of a green connection linking Toongabbie Creek to Parramatta Park through the health campus. Creating an entrance to The Children's Hospital Westmead, with the provision of a great outdoor space called KIDSPARK. This carries on the theme established in the Westmead Redevelopment i.e. provision of a significant green landscaped forecourt. Discussed Public Transport, working closely with TfNSW and the Parramatta Light Rail Team, to develop an urban design from the stations to the health and research destinations. 	Note	-
2.3	<p>The CHW Stage 2 Zonal Masterplan was presented including the zoning of the campus with Stage 1 (Westmead Redevelopment) and Stage 2 (CHW Development), clinical and research adjacency principles established in Stage 1, and master plan principles:</p> <ul style="list-style-type: none"> Patients and Families; Enabling excellent delivery of paediatric health services. Presence; On Hawkesbury Road visible and identifiable street frontage (set back using the KIDSPARK) Movement; Enabling movement through the site, supporting the integration of health, research and education. Connections; Promoting public transport, logistics (however protecting KIDSPARK amenity) Green Community; Discussed above permeability and green connection. 	Note	-
2.4	The Campus Car Parking Strategy was discussed including the health and research broader campus car parking strategy, locations of car parking addressing public and staff needs to the perimeter of the site.	Note	-
3.0	Works Packages and Programme		
3.1	<p>The following work packages were noted:</p> <ol style="list-style-type: none"> Completion of on-grade Interim Car Park P23 (enabling the demolition of P17 Car Park) Demolition of P17 (to make way for the PSB development) Lodge Demolition (making way for MSCP development being the replacement of P17) Construction of MSCP (connected to Redbank Road) Construction of PSB 	Note	-
3.2	<p><i>MSCP Parking Supply</i></p> <p>The MSCP was presented and noted a 'nil net increase' to parking supply to Precinct. Growth of MSCP will be staged as hospital activity increases post PSB opening.</p>	Note	-
3.3	PSB and MSCP massing were presented in the context of recent development in Stage 1.	Note	-
3.4	<p>The sustainability drivers being developed by the Project Team to stimulate both efficient buildings and systems and enhanced social outcomes beneficial in health care settings were tabled.</p> <p>GK noted consideration for renewable energies and recycled water (Sydney Water).</p>	Note	-
3.5	The approach to Aboriginal Culture and Heritage consultation was tabled including extensive staff, families and community consultation.	Note	-
4.0	Planning Applications		
4.1	<p><i>Key Milestones</i></p> <p>[Post Meeting Note]: Adjusted Dates</p> <ul style="list-style-type: none"> Request for SEARS later August early September 2020. MSCP SSDA September 2020 PSB SSDA December 2020 	Note	-

Attachments:

- **Presentation**

A photograph of a modern hospital interior. The space features large windows with black frames, through which a colorful, multi-story building is visible. In the foreground, there are two red armchairs with metal legs and a small, round, white table. The floor is a light-colored, speckled material. A semi-transparent purple overlay covers the left side of the image, containing the title and other text.

HEALTH INFRASTRUCTURE

The Children's Hospital at Westmead
Stage 2 Redevelopment

July 2020



Health
Infrastructure



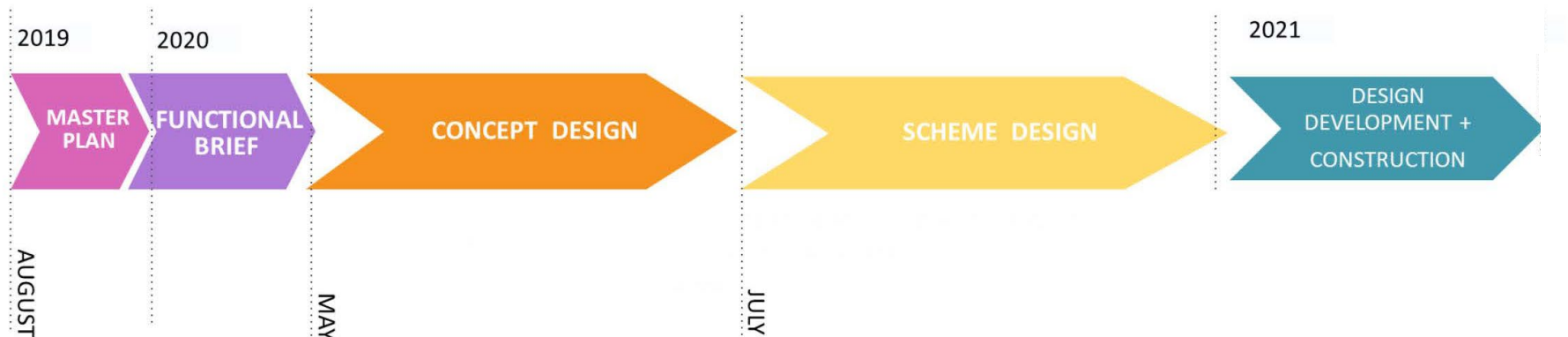
Health
Infrastructure

Background

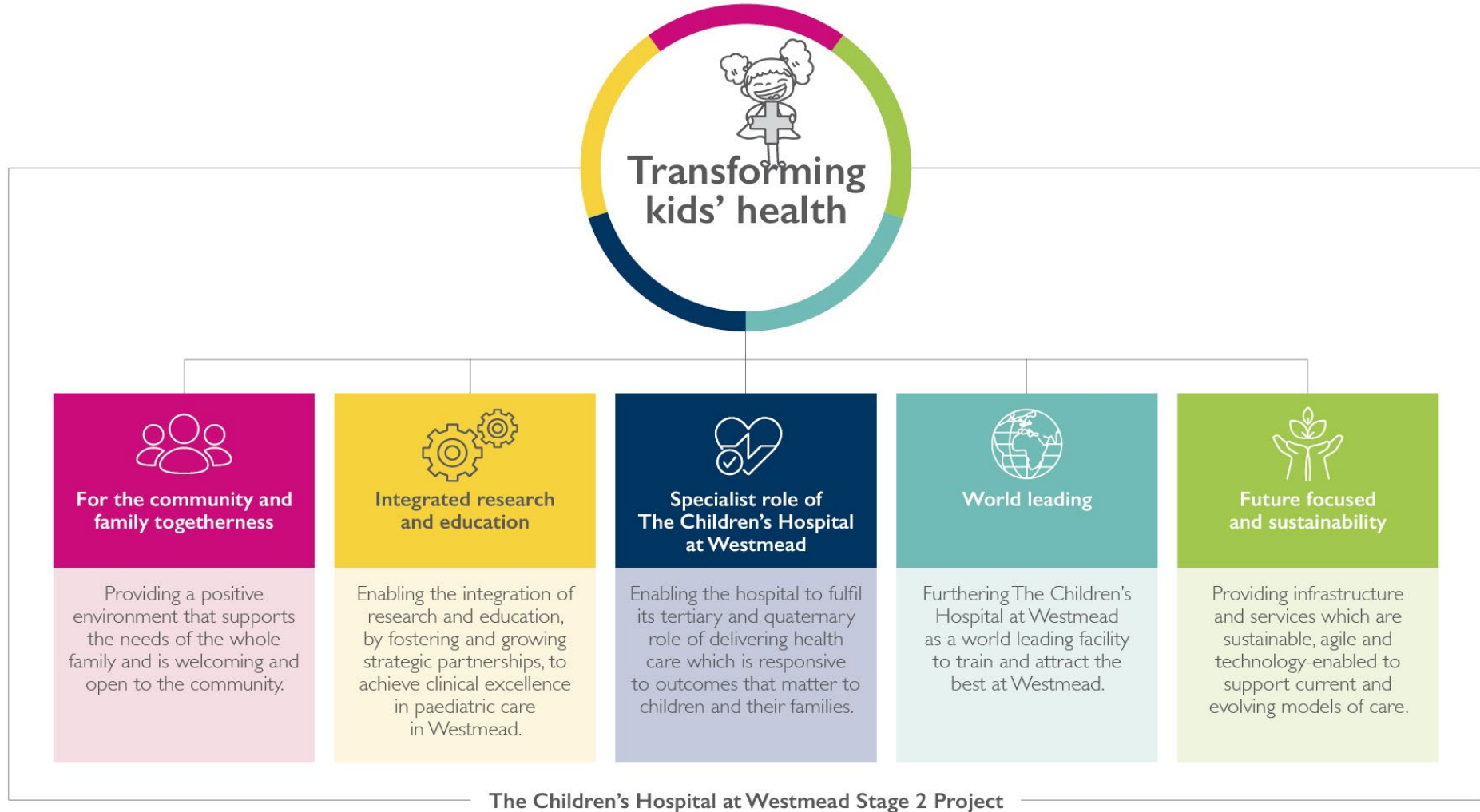
The NSW Government has committed \$619m for The Children's Hospital at Westmead (CHW) Stage 2 Redevelopment. The opening of the Westmead Central Acute Services Building (CASB) will see the completion of The Children's Hospital at Westmead Stage 1 works.

As a further development of the Westmead Health Precinct, this grows the precinct as one of the largest health, research, education and training precincts in the world.

The Stage 2 Redevelopment will include a new Paediatric Services Building to complement the critical and acute clinical services as part of Stage 1, a landscaped forecourt area (known as KIDSPARK) and a Multi Storey Car Park.



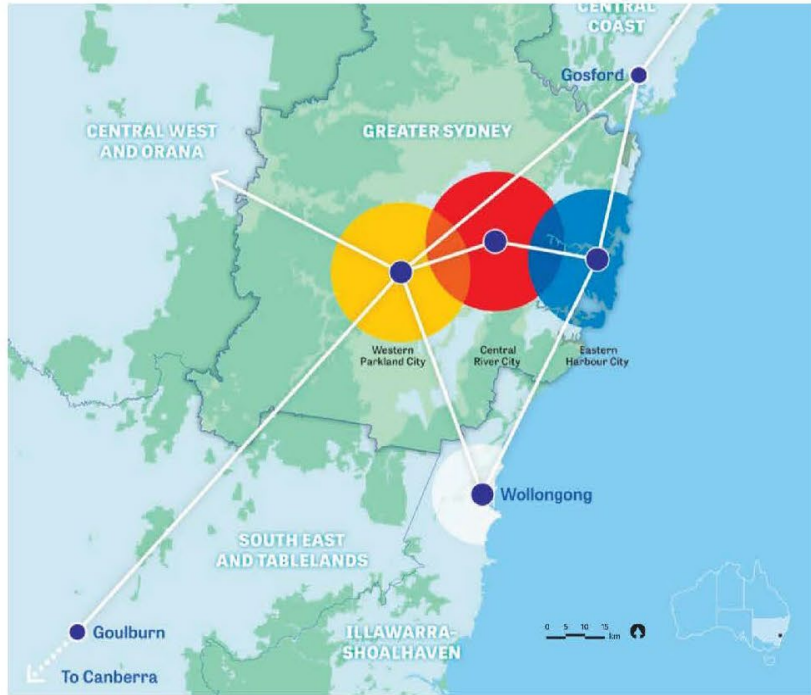
CHW Stage 2 Project Vision and Objectives



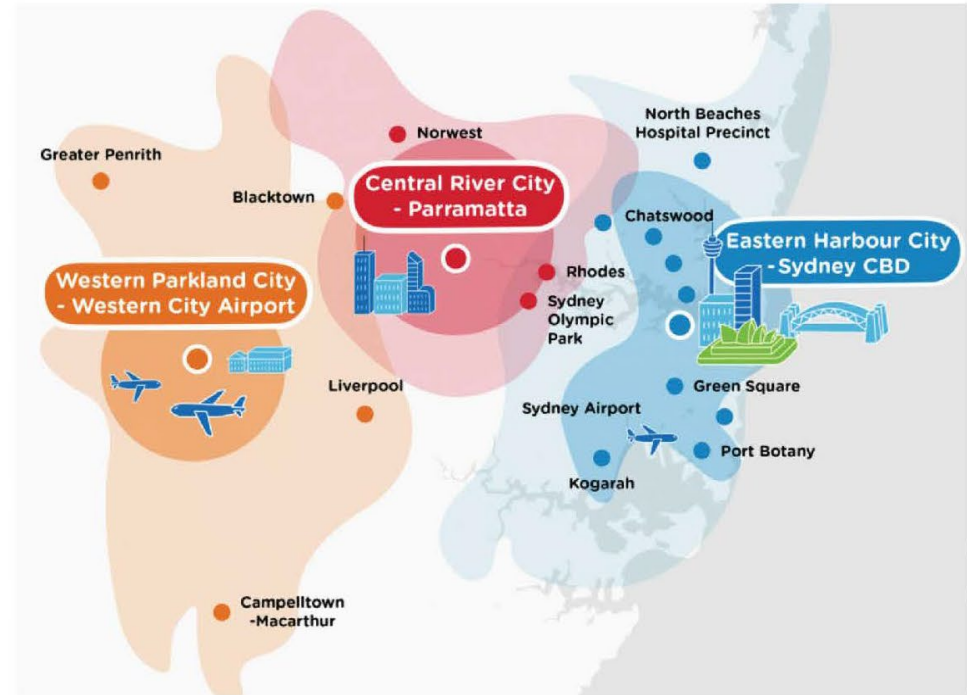
CHW Site Plan



Greater Sydney Commission – Central River City



Metropolis of Three Cities, Greater Sydney Region Plan, Greater Sydney Commission



Metropolis of Three Cities, Greater Sydney Commission

Greater Sydney Commission

WESTMEAD PRIORITIES



INFRASTRUCTURE

A city supported by
infrastructure

A collaborative city



LIVEABILITY

A city for people

A city of great
places



PRODUCTIVITY

Well connected city



SUSTAINABILITY

A city in its
Landscape

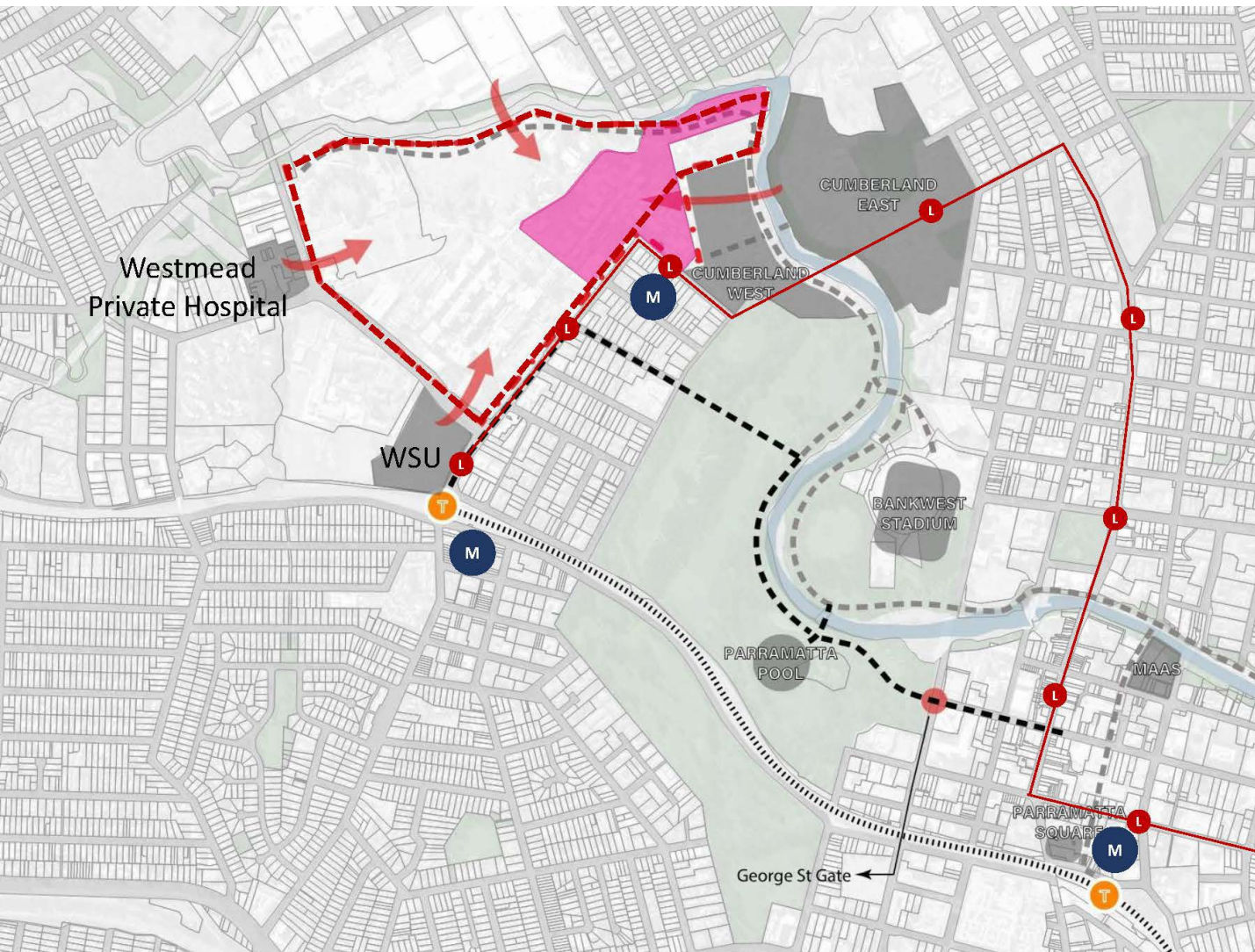
Westmead Health Core Drivers



The Green Connection



Context Plan



-  The Children's Hospital at Westmead
-  Future Metro Stations
-  Lightrail
-  Train Station
-  Westmead Health Core

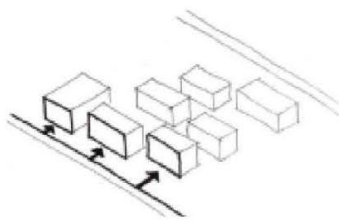


CHW Master Plan Principles

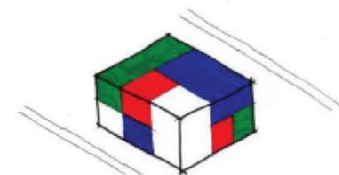
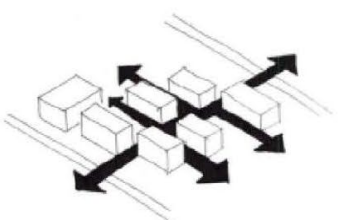
1 Patients and Families
Enable excellent delivery of paediatric health services for patients and their families



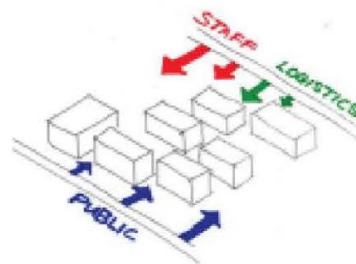
2 Presence
Enhance presence on Hawkesbury Road through a visible and identifiable street frontage for health, research and education



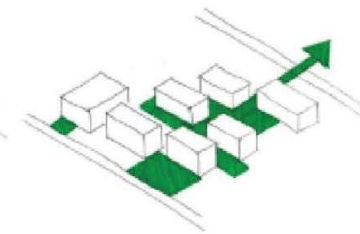
3 Movement
Enable movement through the site to support the integration of health, research and education through flexible and adaptable spaces



4 Connections
Promote connections to public transport on Hawkesbury Road and ambulance, logistics and staff carparking to Redbank Road

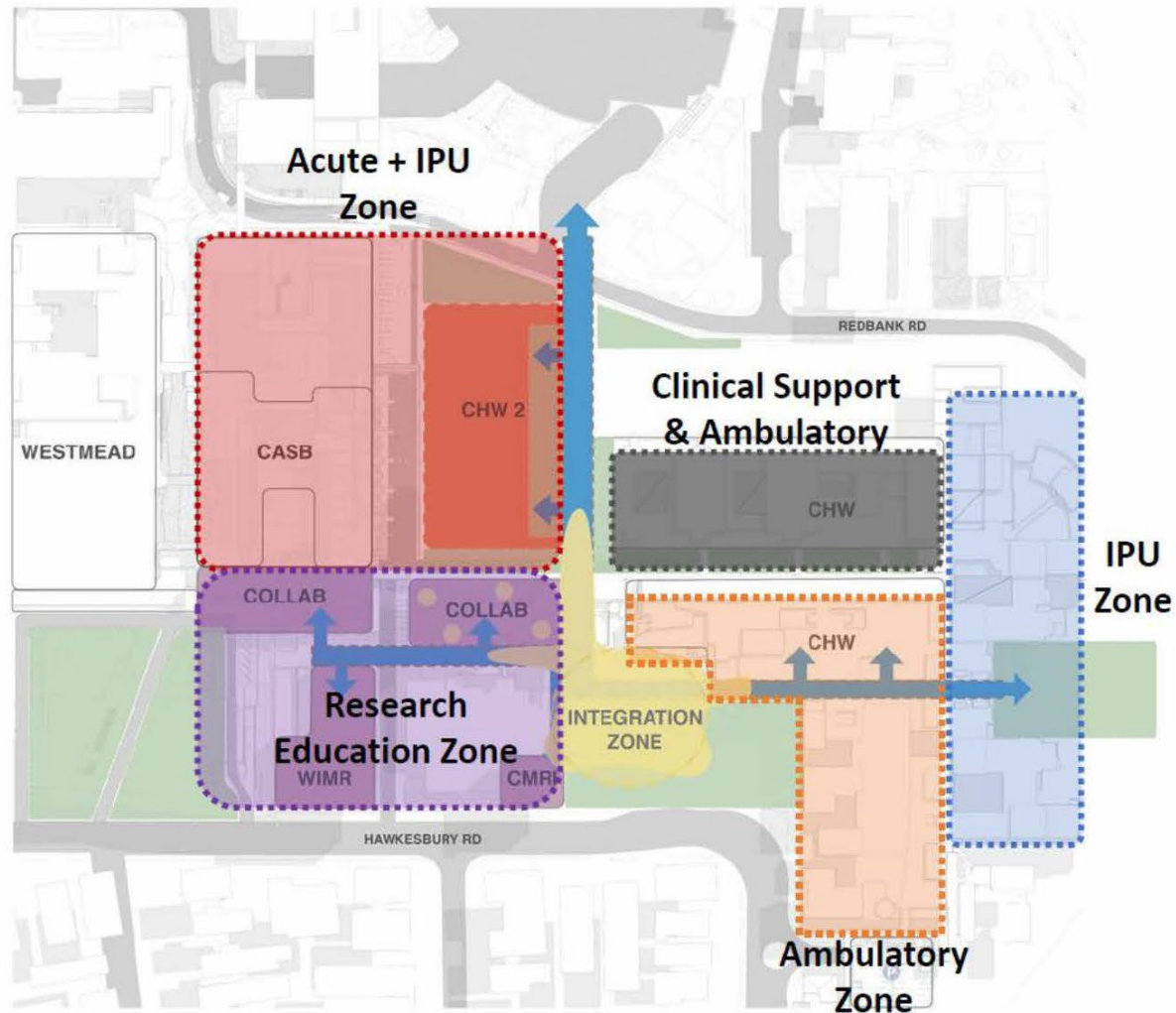
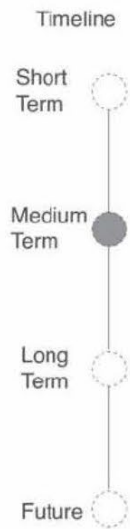


5 Green community
Facilitate further connection to the community and green spaces, including Toongabbie Creek and Burramatta - Place of Eels



CHW Stage 2 Master Plan

Functional Zones



Westmead Health Core – Access and Parking

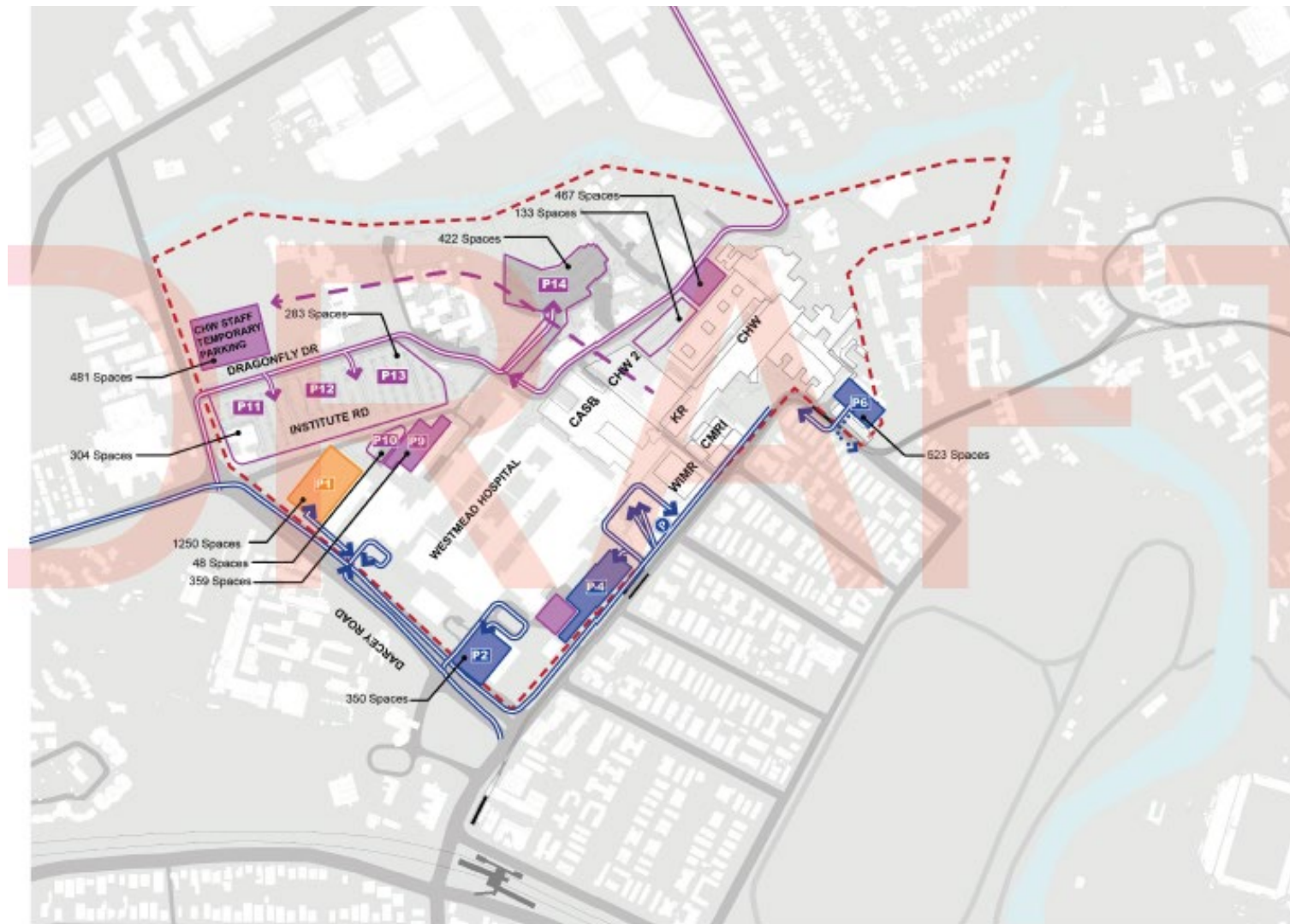


Figure 22 Parking and Drop Off

Key:



Staff Parking



Public Parking



Staff and Public Parking



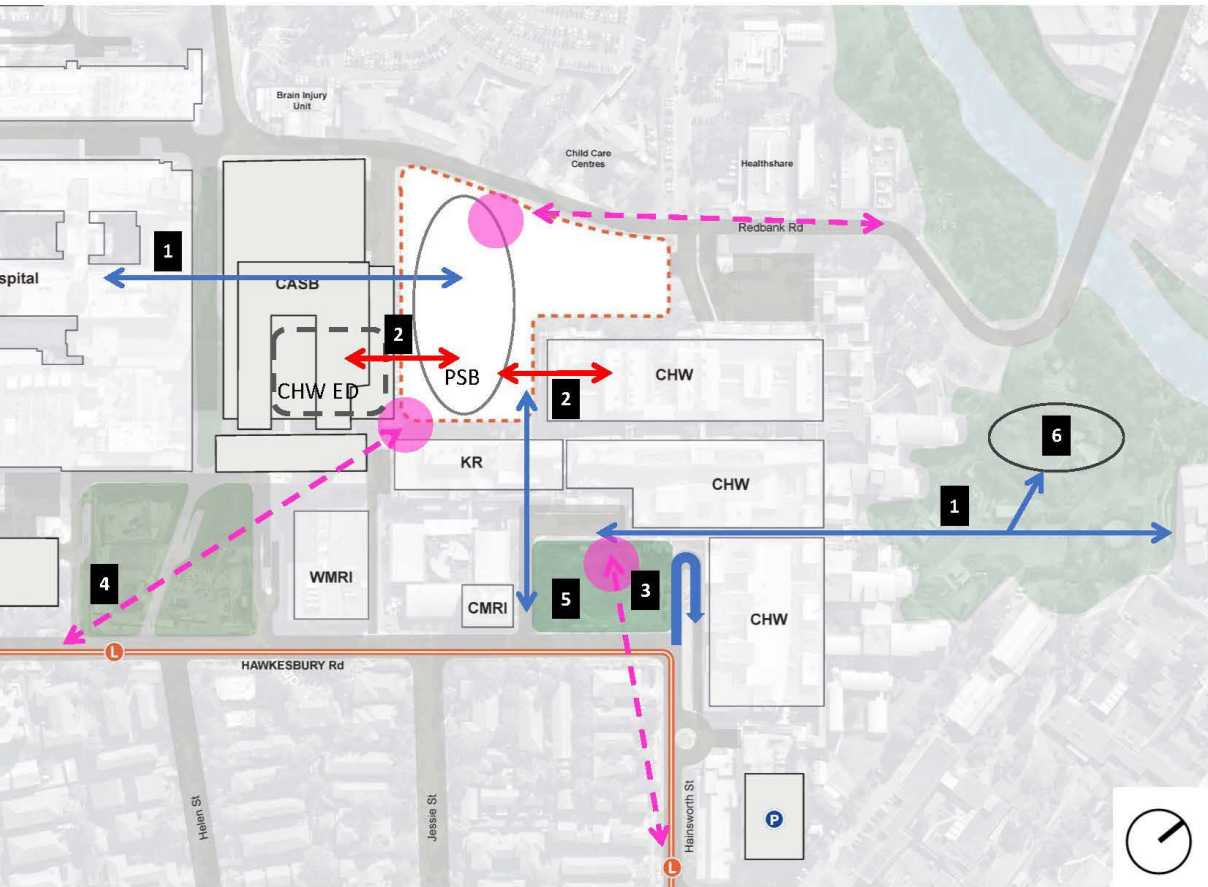
Vehicular access/drop-off



Proposed vehicular access/drop-off

Site Analysis

Site Plan, Analysis and Principles



1. Public campus Connections
2. Clinical Connections
3. The front entry and primary identity remains off Hawkesbury Road
4. Maximise visibility and identity from the west
5. KIDSPARK - a landmark communal space designed to provide a space to gather, provide relief and amenity for children and visitors
6. New car park & amenities provides easy access to the CHW

Package #1

Interim Car Park (P23) completed
Commence operations Oct 2020

Package #2

P17 MSCP Demo
Contract Awarded
Demo duration Oct - Dec 2020

Package #3

The Lodge Demo (and Decant)
Demolition target Jan-March 2021
(pending SSDA approval –
submission August 2020)

Package #6

Paediatric Services Building (Main Works)
Scheme Design in progress
Request for SEARs July 2020
SSDA submission December 2020
Construction target Early 2022 – Late 2024

Package #4

New MSCP
Construction target Feb 2021 – Aug 2022
Request for SEARs July 2020
SSDA submission August 2020
(pending SSDA approval – submission
August 2020)

KEY

PROPOSED
PAEDIATRIC
SERVICES BUILDING
AND UNDERCROFT
CANOPY

WORKS ZONE
OUTLINE
SCOPE FOR SSD
APPLICATION

0 10 20 30 40 50 m
1:1000

01: Issued for SEARs 30/06/20
Revised
02: Issued for SEARs 28/06/20
Revised



Bland Lewis Partnership Pty Ltd
Architects & Urban Planners
72-80 Cooper St
Sydney NSW 2100
NSW Australia
T +61 2 9556 4000
E info@blp.com.au
www.blp.com.au

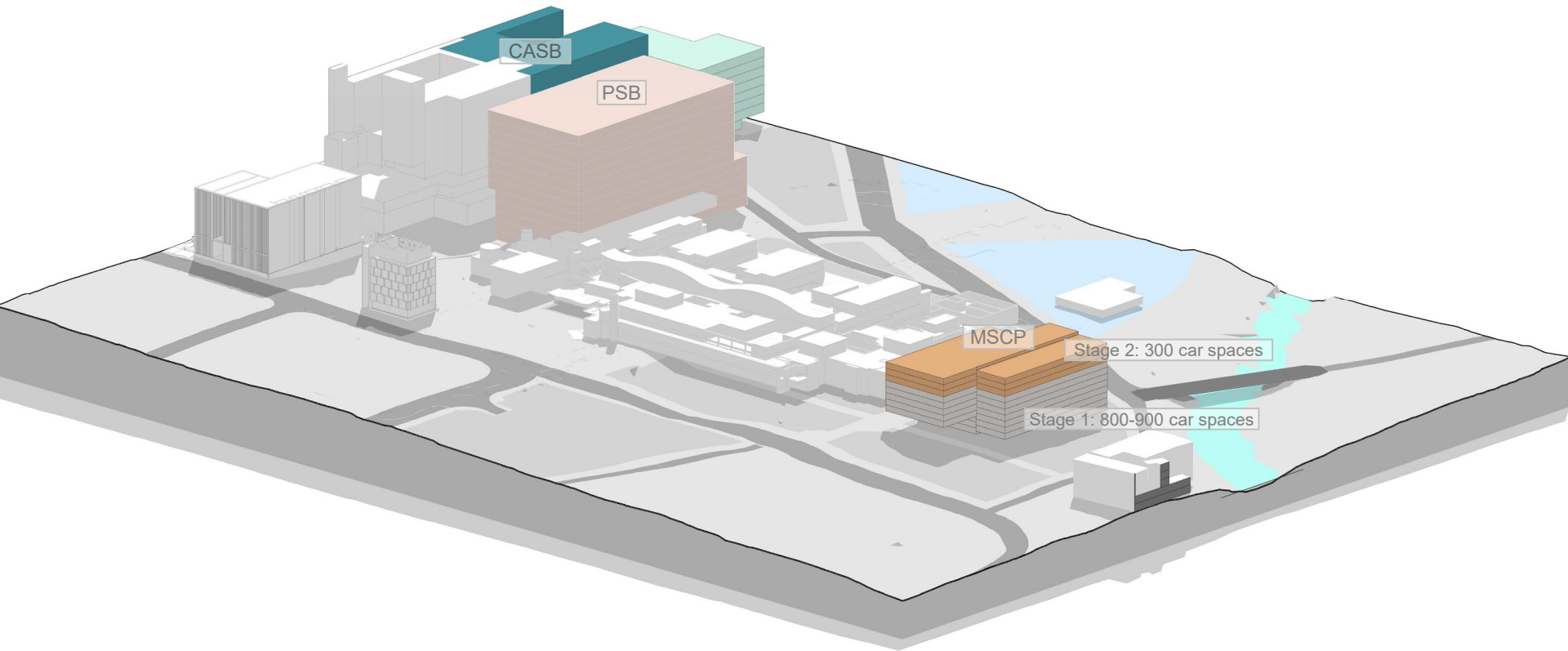
Health Infrastructure
NSW

Westmead Healthcare
Masterplan

SITE PLAN -
PAEDIATRIC
SERVICES BUILDING
SCOPE

Project No: 10541
Scale: 1:1000
Drawn By: T11/2020/00
Checked By: AF
Drawing No: Revision
CHW-AR-DGP-PB-DIA001 01

Massing



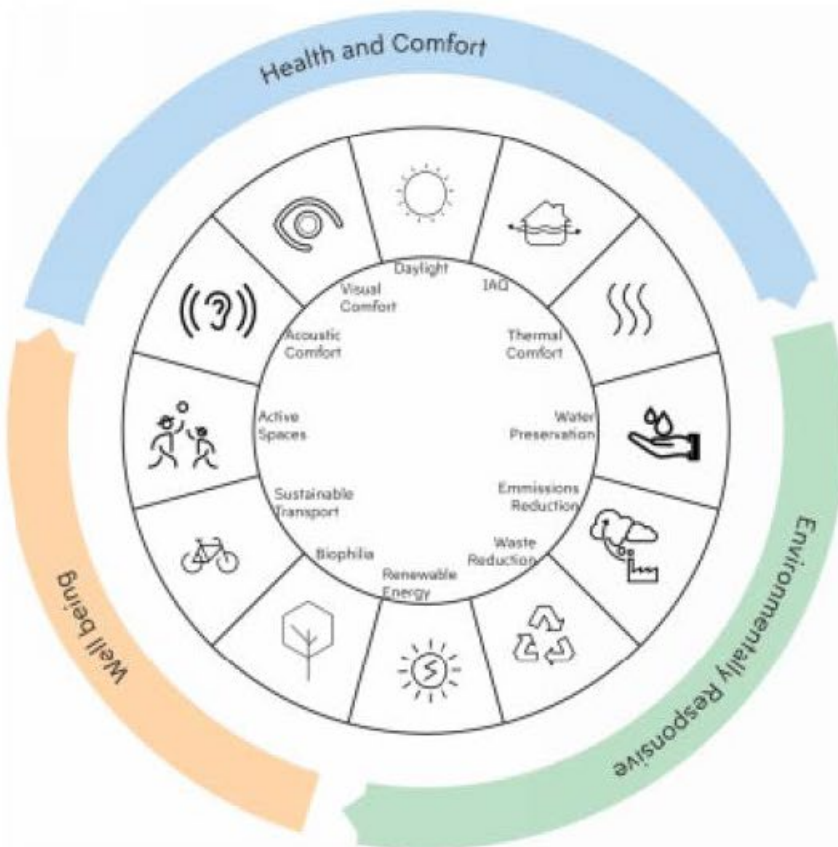
New Multi Storey Car Park (MSCP)

- The new MSCP will accommodate both staff and visitor car parking on Labyrinth Way
- It replaces existing staff car parking and provides additional built-capacity to support future developments
- The MSCP is proposed to be constructed and operated in conjunction with existing Precinct car parking in a number of stages:
 - Stage 1: Replacement of existing car parking on the campus (approx. 800-900 spaces) – construction and Stage 1 operations will result in **nil net increase** in car parking supply for the Precinct
 - Stage 2: Growth in car parking demand as a result of the CHW Stage 2 project would be addressed in the PSB SSDA to reflect the expansion of health services enabled by opening of the PSB (approx. 300 additional spaces)
- The scope of works includes:
 - Demolition of The Lodge
 - Construction to a height of approximately 12 storeys with a possible helipad
 - Road works to Labyrinth Way and/or Redbank Road to facilitate vehicular access
 - Associated landscape works

Paediatric Services Building (PSB)

- The PSB will enable the expansion and replacement of existing paediatric services at CHW, providing additional surgery and critical care services
- It will be located adjacent to the CASB and on the site of the existing P17 car park, including development of the Hawkesbury Road forecourt and access links
- The development provides the opportunity to renew and improve the CHW forecourt and street frontage, with a cohesive main entrance connecting the existing CHW, adjoining research facilities and the PSB
- The scope of works includes:
 - Construction to a height of 15 storeys which includes a helipad
 - Alterations and additions to the existing Kids Research and CASB buildings adjoining the PSB site area to accommodate floor realignment and movement corridors
 - Construction of a new pedestrian canopy link connecting the main PSB with the CHW forecourt and existing hospital entrance (the canopy link is to be lifted 2 storeys above the CHW forecourt)
 - A new ground plane/forecourt landscaped area extending from Hawkesbury Road to the PSB

Sustainability Initiatives



Sustainability Outcomes:

- Creation of healing environments, both indoor and outdoors that are comfortable and healthy;
- Protect all existing high-value environmental features of the site and create new habitats;
- Promotion of sustainability and building as a teaching tool;
- Minimisation of non-renewable resource consumption;
- Cost-effectiveness of energy usage over the building life span;
- Minimisation of waste during the construction and operation of the building
- Reliability and ease of monitoring, tuning, reporting and maintenance of the building;
- Future proofing the hospital for use of renewable energy and eliminate use of green-house gases

Aboriginal Culture and Heritage

Approach to Indigenous Culture and Heritage



- Align with the priorities of the Network's Aboriginal Strategic Plan, to create health care services for Aboriginal children and families that provide access to high-quality services that are **evidence-based, culturally safe** and **responsive** and support optimum outcomes for child health, development and wellbeing

OVER OUR TRACKS

SCNH ABORIGINAL HEALTH STRATEGIC PLAN 2018-2021

Sydney Children's Hospitals Network is committed to changing the story for Aboriginal children and young people



- Build upon the extensive consultation undertaken with Aboriginal staff, patients and community during Stage 1 of the Westmead Redevelopment project to create a **culturally safe** environment that **understands** and **respects** Aboriginal and Torres Strait Islander people



Arts & Culture
Strategy



Key Milestones

- Request for SEARs – July 2020 (New MSCP and PSB)
- New MSCP SSDA submission – August 2020
- PSB Schematic Design in progress
- PSB SSDA submission – December 2020



Health
Infrastructure

Meeting Minutes

The Children's Hospital Westmead Stage 2 – Transport for NSW / Health Infrastructure

Date/Time: 27 November 2020

Start: 3:00pm

End: 3:45 pm

Venue: Video Conference

Attendance

Name	Organisation	Role
Brendan Pegg	Transport for NSW	A/Senior Manager Land Use Assessment Planning and Programs
Vic Naidu	Transport for NSW	Land Use Planner Planning and Programs
Mark Ozinga	Transport for NSW	Principal Manager, Land Use Planning & Development
Caleb Teh	Health Infrastructure	Project Director
Brigette Humphrey-Robinson	WSP	Traffic and Transport Engineer
Mary Sakr	PwC	Project Manager

Item	Topic - Actions	Action
1.0	Introduction	
1.1	HI provided an introduction and outlined the purpose of the meeting.	Note
2.0	Project Status	
2.1	HI provided a brief overview update of the CHW Stage 2 Redevelopment and current status of works packages (Attachment A).	Note
2.2	HI presented the Health Core Masterplan which has informed the Westmead 2036 Strategy, the design consideration for the Paediatric Services Building (PSB) and the public links and entries between Stage 1, Stage 2 and the multi-storey car park (MSCP).	Note
3.0	MSCP	
3.1	PwC presented the MSCP advising of the following: <ol style="list-style-type: none"> 1. Entry into the car park is via Redbank Road, whilst the exit is via Labyrinth Way. 2. Redbank Road will be realigned as part of the Works. 	Note
3.2	A staged approach to the MSCP whereby there is nil net increase in the car parking operational capacity at the time of MSCP's opening (approximately 800-900 car spaces to replace existing spaces on the campus).	Note
3.3	The growth in car parking demand as a result of the CHW Stage 2 project would be addressed in the State Significant Development Application (SSDA) for the Paediatric Services Building (PSB), which is anticipated to be submitted late 2020 (approximately 300 additional car spaces to be opened over a period of time in line with hospital growth).	Note
3.4	Due to Redbank Road realignment an Aboriginal Cultural Heritage Assessment Report (ACHAR) is required. The first stage of the consultation process with the Registered Aboriginal Parties has commenced.	Note
4.0	PSB	
4.1	PwC and HI presented the PSB car parking design advising of the following: <ol style="list-style-type: none"> 1. Interim car parking will be provided on level 2 of the PSB and the existing on-grade car park. Entry and exit are via the existing P17 driveway off Redbank Road. 2. Access to the loading dock is via Redbank Road and it includes: <ol style="list-style-type: none"> a. Three courier bays b. Three loading bays to accommodate vehicles up to 12.5 heavy ridged vehicles c. Two water compactors 	Note
4.2	TfNSW suggested the addition of the PSB's loading dock usage and design strategy.	Note
5.0	Transport Assessment	
5.1	WSP provided an overview of the transport assessment (refer Attachment A).	Note
5.2	TfNSW's reiterated their initial advice that they are comfortable with the growth data within WSP's Preliminary Traffic Assessment (dated 22/6/2020) and have no particular issues or concerns.	Note
5.3	WSP advised that no traffic analysis has been conducted for the MSCP as the traffic is being generated due to the PSB. This will be reflected in the PSB's EIS submission.	Note
6.0	General/Other Business	
6.1	TfNSW advised that the draft Transport Impact Assessment can be submitted to TfNSW for their review and comment prior to the submission of the EIS. Project team to account for two week turn-around period.	TfNSW
6.2	TfNSW advised that a car park management plan typically forms part of the Conditions of Consent. A precinct wide approach could be adopted by the project team and include the PSB's loading dock.	Note

Attachments:

- **Attachment A: CHW Stage 2 Redevelopment TfNSW Consultation**

ATTACHMENT A

The Children's Hospital at Westmead Stage 2 Redevelopment

TfNSW Consultation
November 2020



Health
Infrastructure

connect
Collaboration in action

www.skyviewaerial.com.au

Agenda

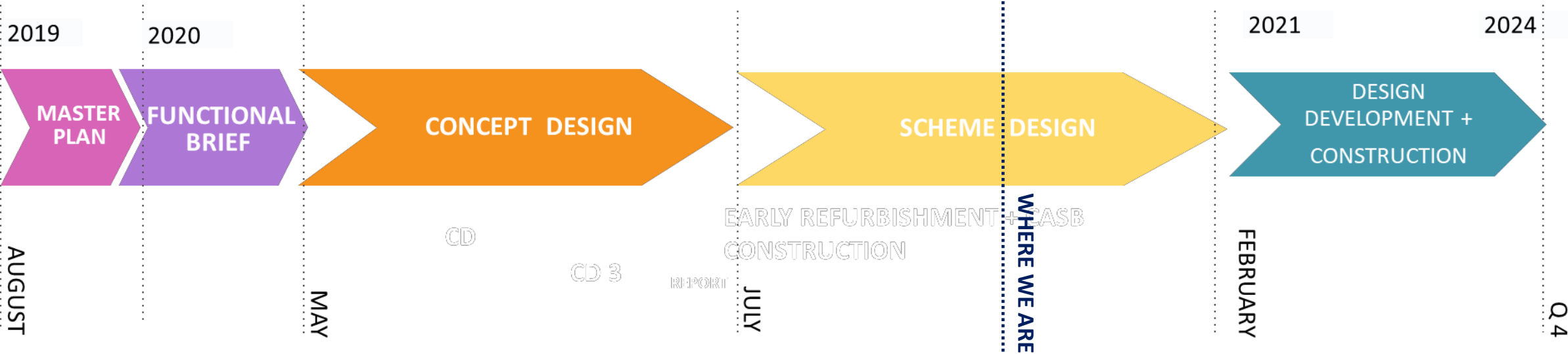
1. Project Background
2. Context – PSB and MSCP
3. Context
4. Entries and Arrivals Experiences
5. Concept Design Intent
6. MSCP Design
7. PSB Design
8. Future Intersection Operation
9. ACHAR Trigger

Project Background

The NSW Government has committed \$619m for The Children’s Hospital at Westmead Stage 2 Redevelopment. The opening of the Westmead Central Acute Services Building (CASB) will see the completion of The Children’s Hospital at Westmead Stage 1 works.

As a further development of the Westmead Health Precinct, this grows the precinct as one of the largest health, research, education and training precincts in the world.

The Stage 2 redevelopment will include a new Paediatric Services Building (PSB) and to complement the Stage 1 investment and replacement of car parking.



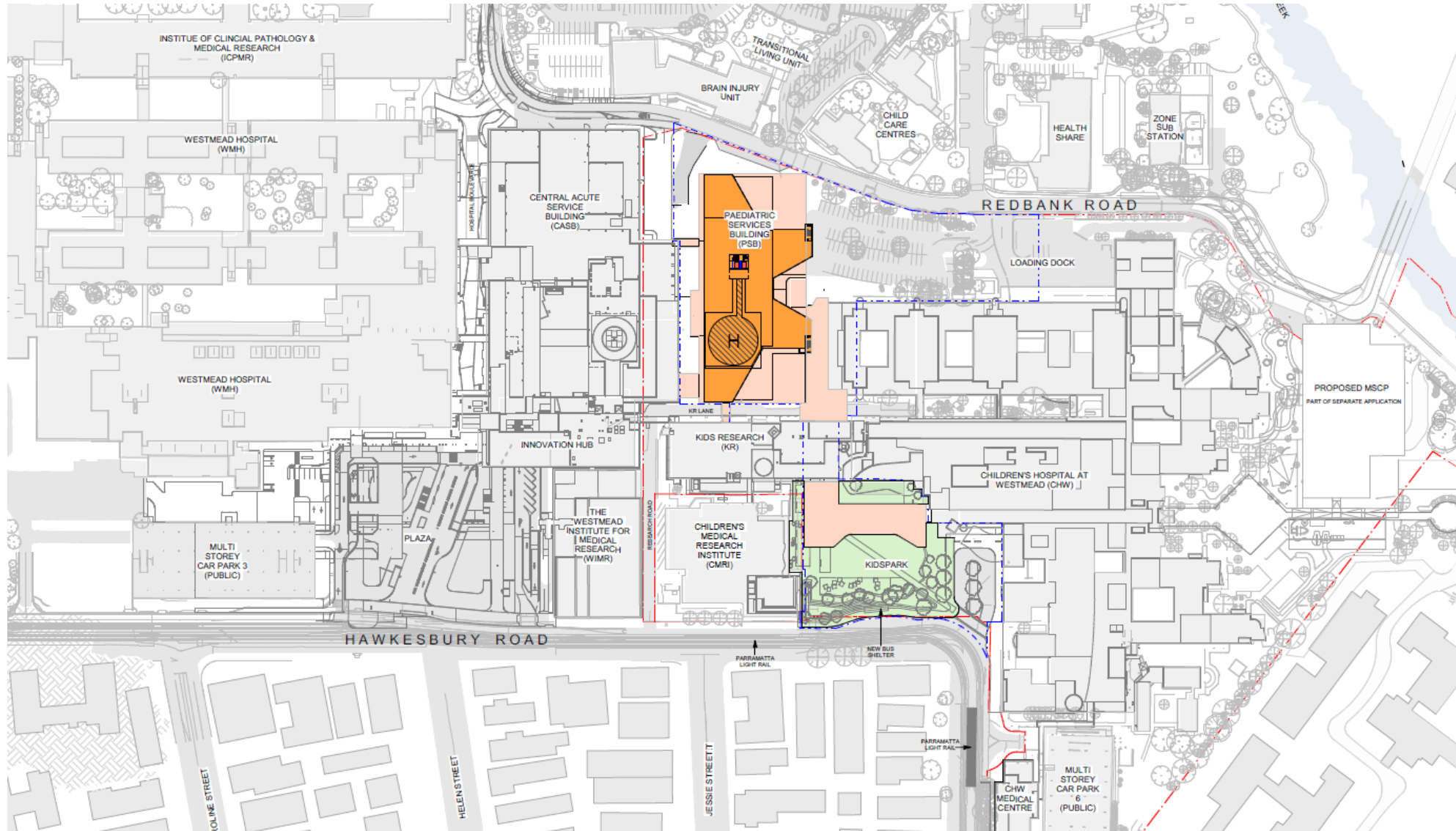
Context – PSB and MSCP

The Site – Westmead Health Core Masterplan



Context – PSB and MSCP

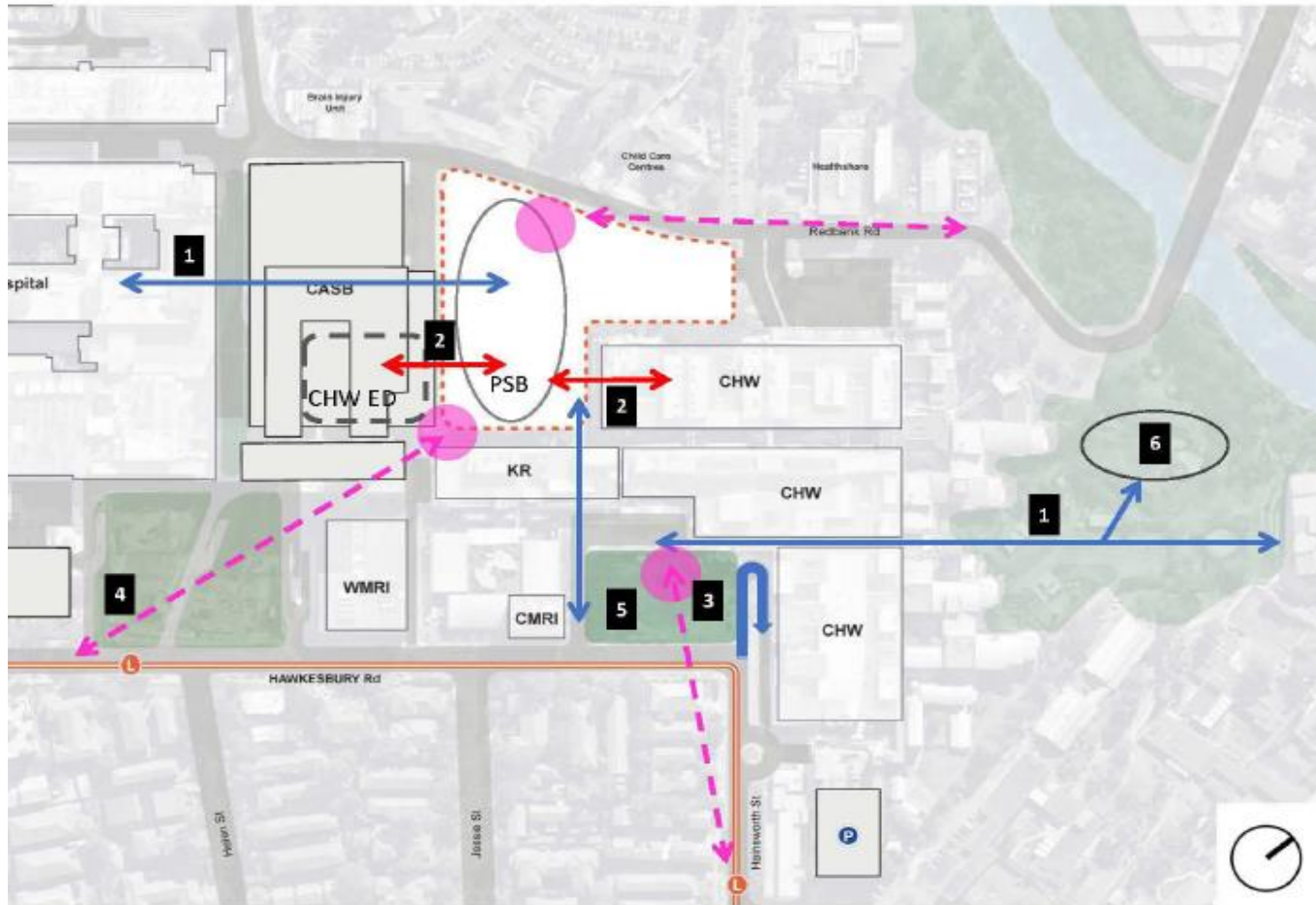
The Site – Existing Built Form and Design Considerations for the PSB and MSCP



Context – PSB and MSCP

The Site – Existing Built Form and Design Considerations for the PSB and MSCP

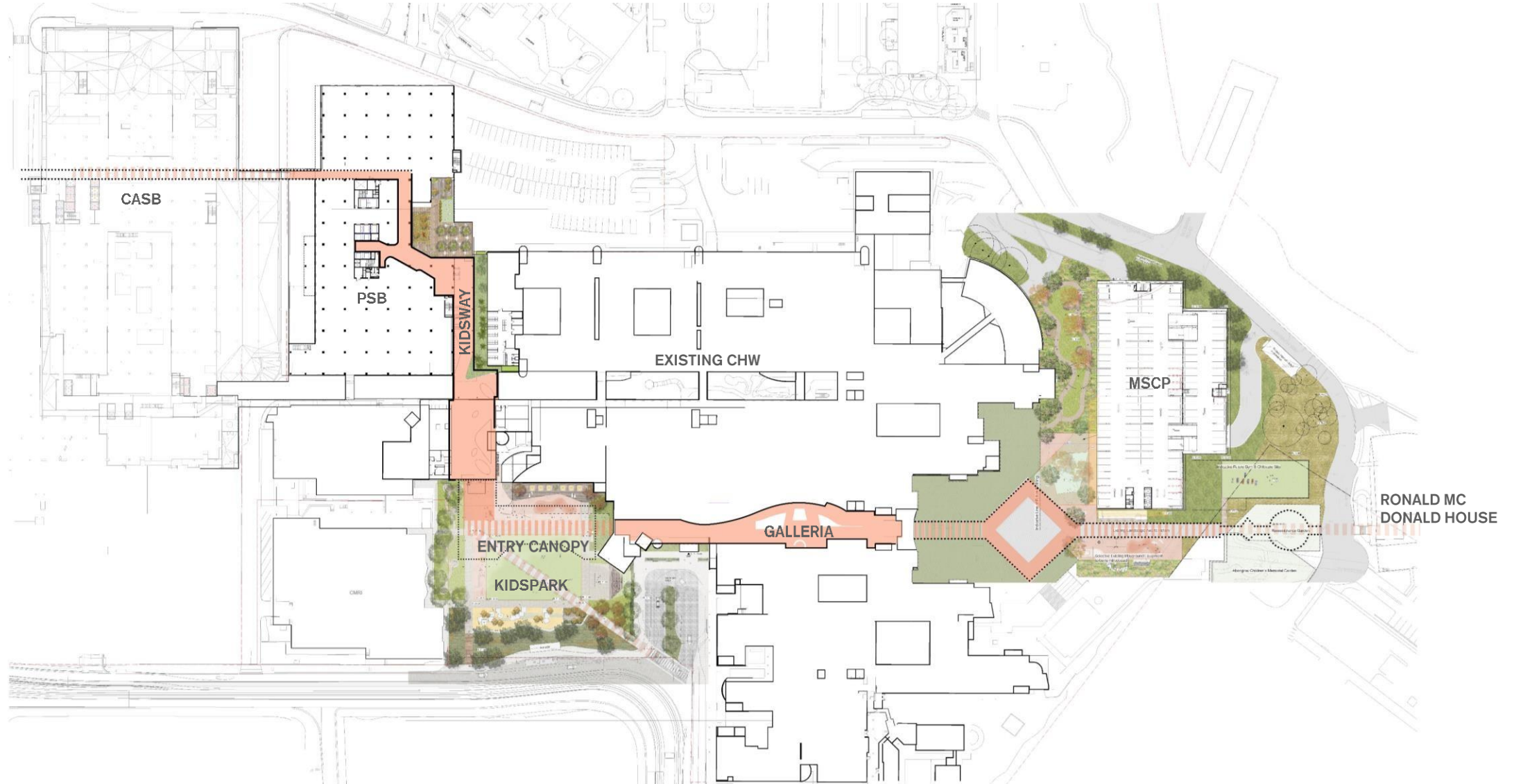
Site Plan, Analysis and Principles



1. Public campus Connections
2. Clinical Connections
3. The front entry and primary identity remains off Hawkesbury Road
4. Maximise visibility and identity from the west
5. KIDSPARK - a landmark communal space designed to provide a space to gather, provide relief and amenity for children and visitors
6. New car park & amenities provides easy access to the CHW

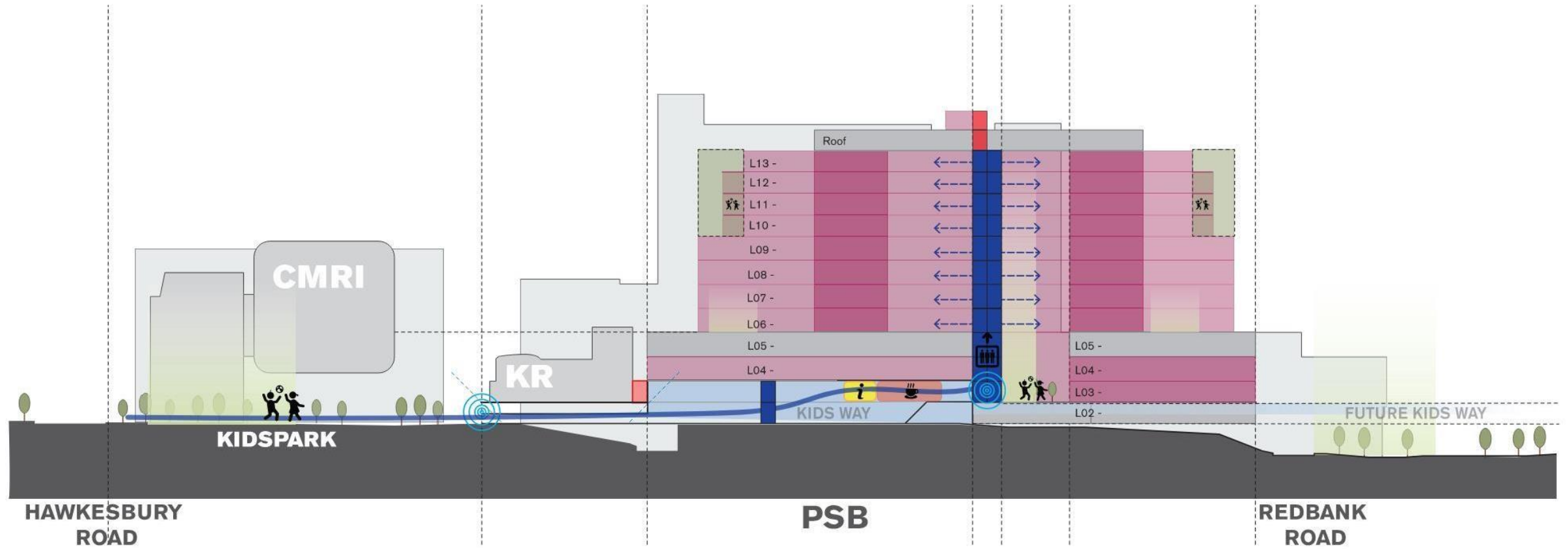
Entries and Arrival Experiences

The Site – Public Links and Entries



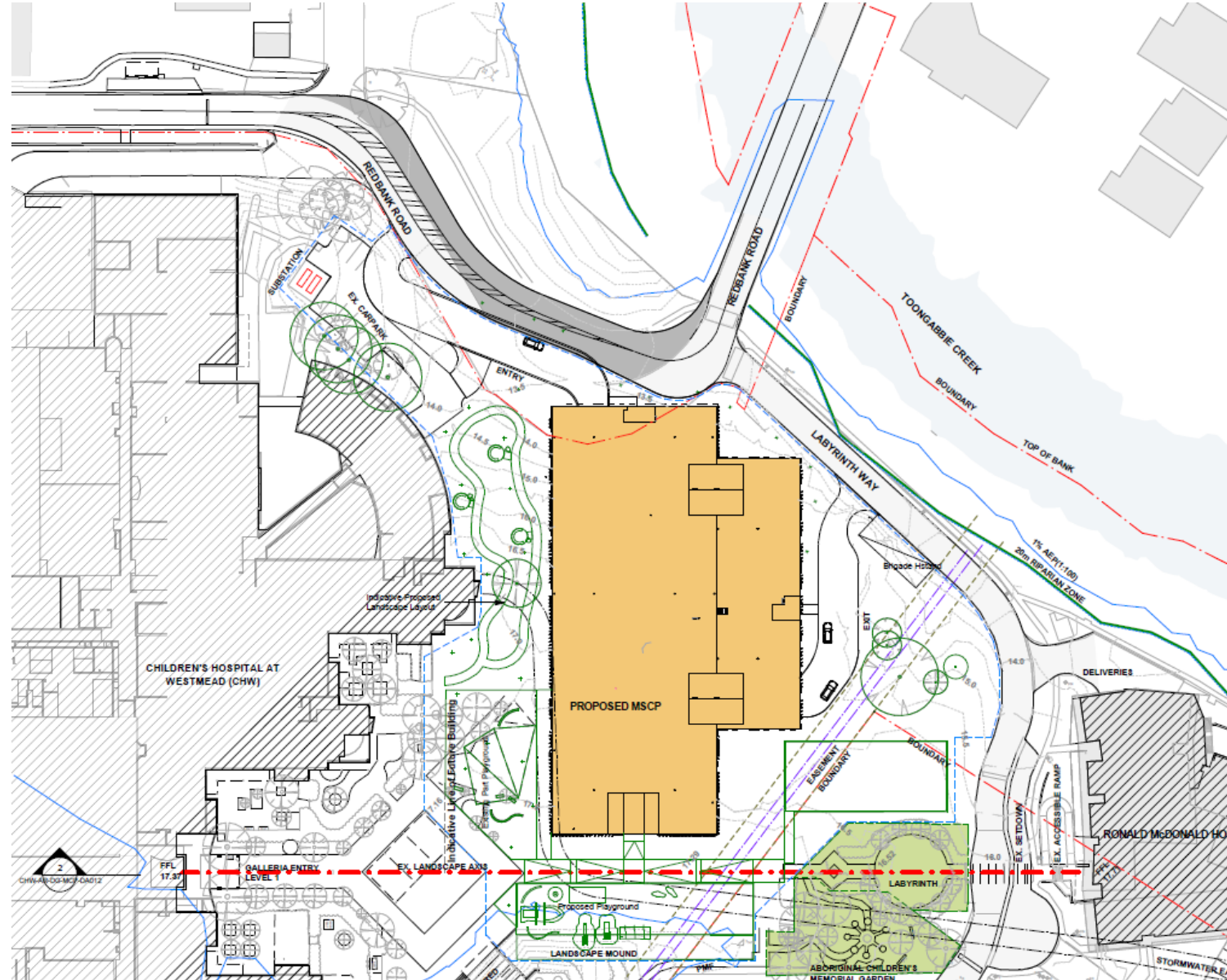
Concept Design Intent

Section



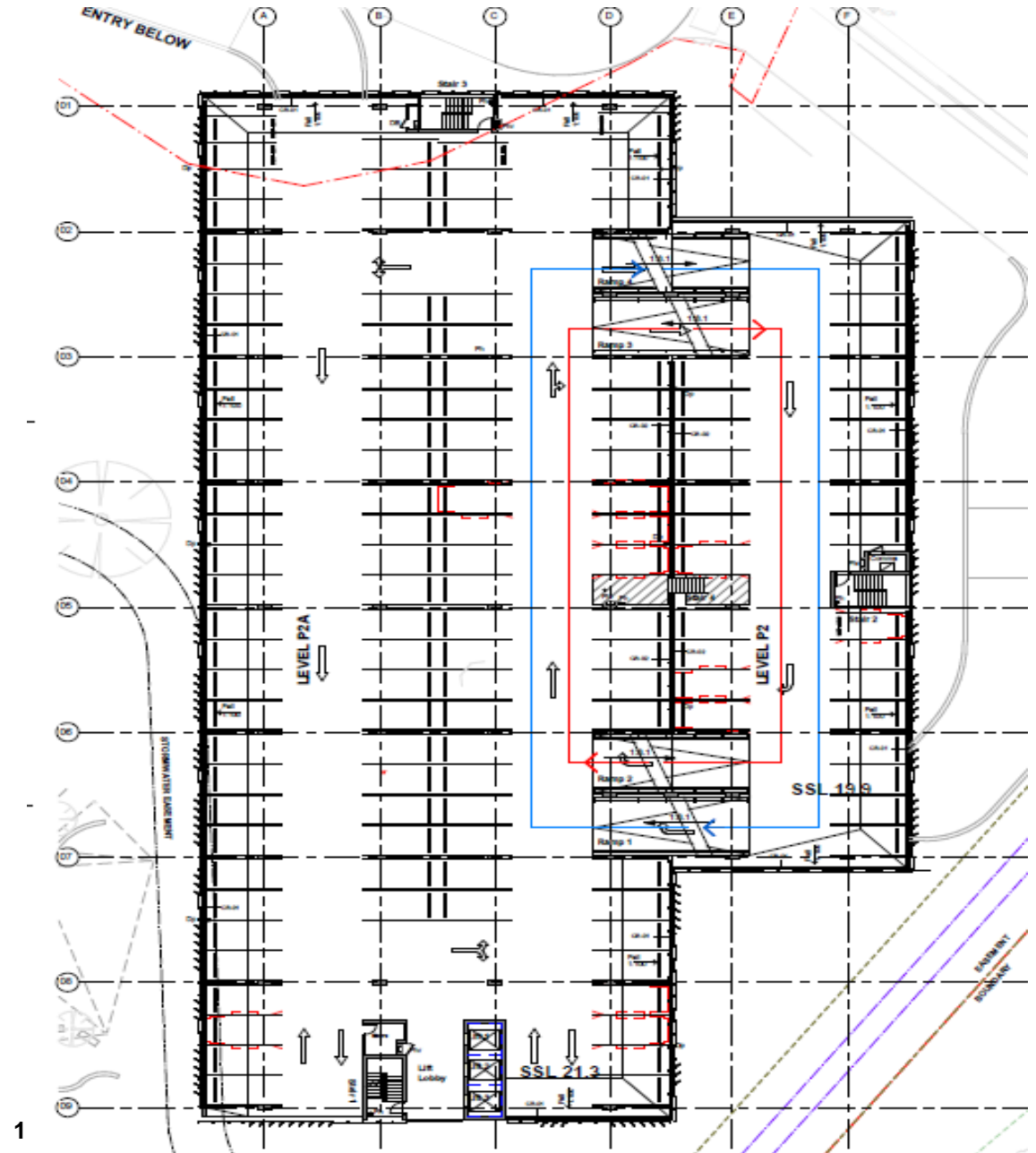
MSCP Design

- Entry into the car park is via Redbank Road.
- Exit out of the car park is via Labyrinth Way.
- Redbank Road to be realigned as part of the Works.
- The car park will be constructed in a single stage, although car parking will be staged operationally:
 - Stage 1: Replacement car parking for the demolished P17 car park with no net increase in parking numbers on site.
 - Stage 2: Car parking operation to serve the hospital's growth associated with the PSB ~ 280 additional spaces.



MSCP Design

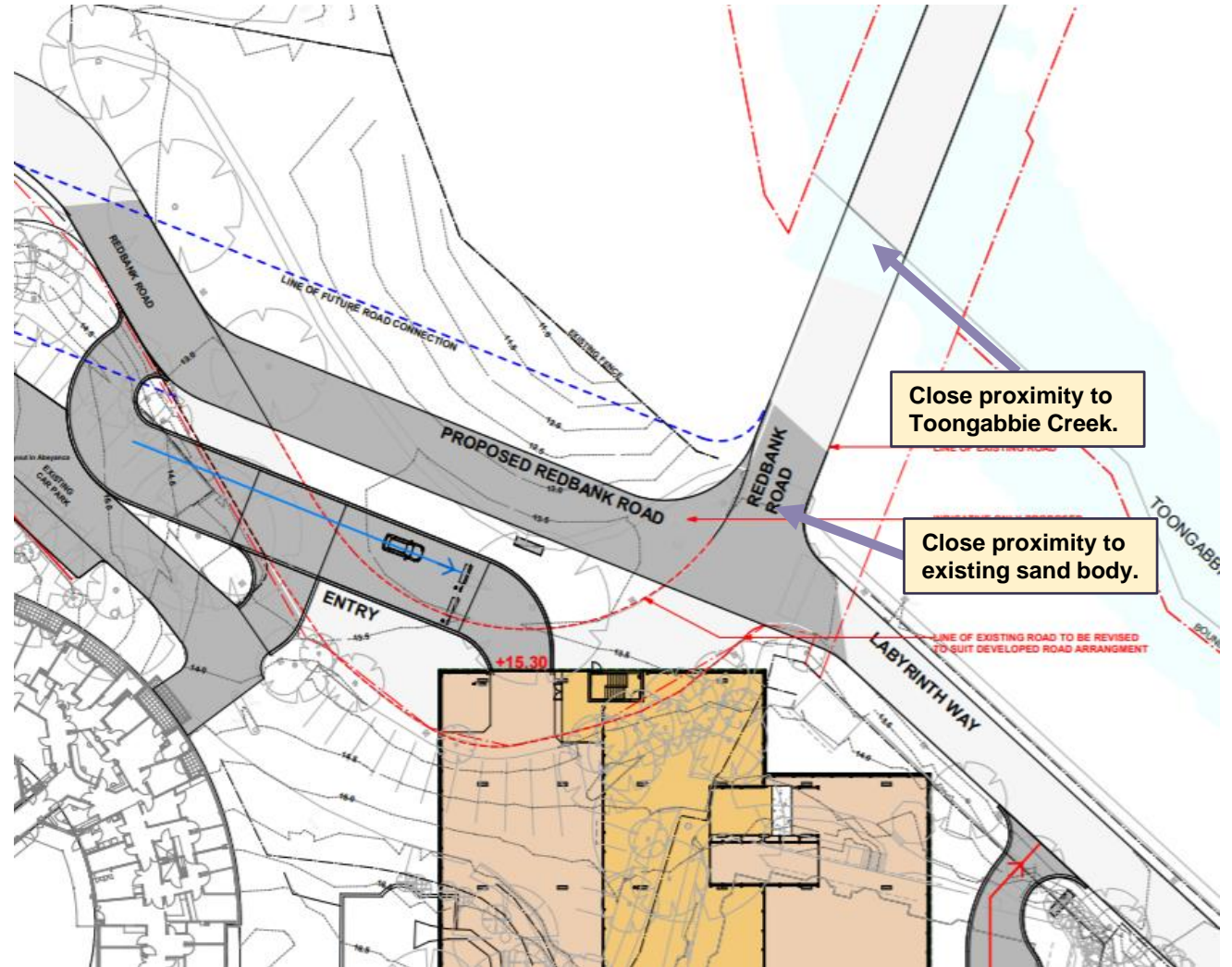
Typical Floor Plate



ACHAR Requirement

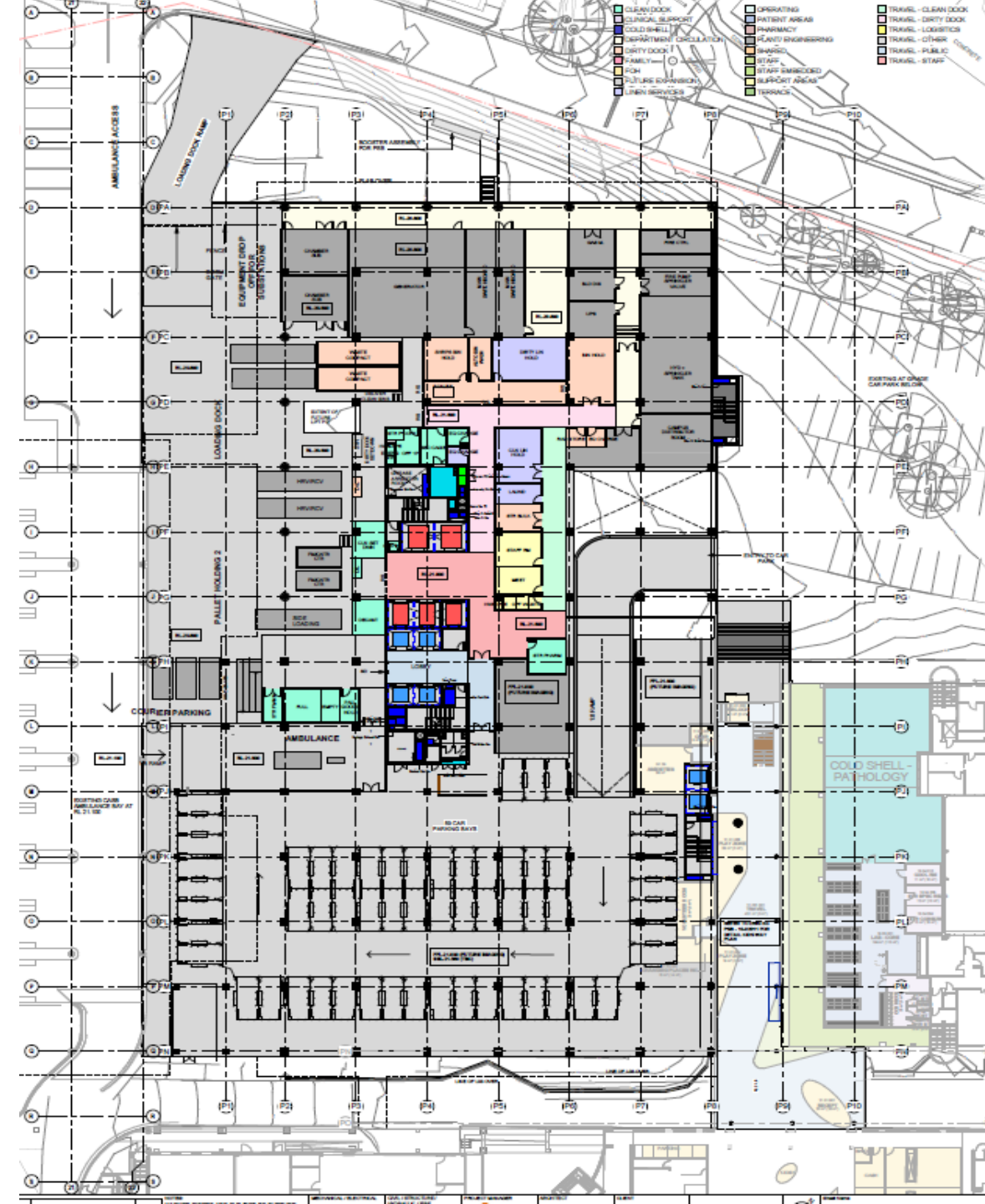
Redbank Road realignment and the ACHAR requirement.

Consultation process has commenced by notification and registration of interest.



PSB Design

- Entry into the car park is via the existing P17 entry off Redbank Road
- Exit out of the car park is via the existing P17 exist off Redbank Road
- Carparking provided on level 2 of the PSB and existing on grade carparking.
- Level 2 is future proofed for the future relocation of Medical Imaging.
- Loading dock access is via a ramp off Redbank Road. Loading dock includes:
 - Three courier bays
 - Three loading bays to accommodate vehicles up to 12.5 heavy ridged vehicles
 - Two waster compactors



Traffic Assessment

Peak hour traffic generation estimates

USER	AM (7:00AM-8:00AM)			PM (4:00PM-5:00PM)		
	IN	OUT	TOTAL	IN	OUT	TOTAL
Staff	50	6	56	6	28	34
Visitor	25	8	33	8	34	42
Drop-off	12	11	23	15	14	29
Total	87	25	112	29	76	105

Most of the traffic generation would use Redbank Road and Institute Road or Dragonfly Drive to access the MSCP or PSB car parking, resulting in:

- Up to 45 additional two-way movements at the Redbank Road/Briens Road
- Up to 20 additional two-way movements at Hawkesbury Road/Darcy Road
- Up to 50 additional two-way movements at the Darcy Road/Institute Road/Mons Road

SIDRA Intersection traffic modelling indicates that the anticipated traffic volumes would have limited impact on the surrounding road network. The key intersections would continue to operate with similar operating conditions during the AM and PM peak hours in 2020.

Adopting historical growth rates along the key corridors indicates that in 2030, many of the surrounding intersections would be operating at or above capacity due to background growth. A whole-of-government approach is required to reduce the level of traffic growth expected in the area. However, the development itself would have minimal impact on this.

Intersection Operation - AM

Intersection	2020 without development intersection performance							2020 with development intersection performance						
	Degree of saturation	Average delay (seconds)	95 th percentile queue (m)				Level of service	Degree of saturation	Average delay (seconds)	95 th percentile queue (m)				Level of service
			South	East	North	West				South	East	North	West	
Briens Road and Redbank Road	1.04	51	71	506	-	505	D	1.12	55	73	512	-	511	D
Bridge Road and Darcy Road	0.91	30	60	46	6	160	C	0.91	31	63	47	6	165	C
Darcy Road, Institute Avenue and Mons Road	0.78	31	36	21	19	99	C	0.81	32	40	22	19	104	C
Dental Hospital, Marist High School and Darcy Road	0.37	10	25	3	30	0	A	0.37	10	25	3	31	0	A
Hospital Access, WSU and Darcy Road	0.38	17	52	9	13	5	B	0.38	17	53	9	14	5	B
Darcy Road and Hawkesbury Road	0.52	25	-	22	33	49	B	0.54	25	-	22	34	51	B
Railway Parade and Hawkesbury Road	0.54	11	22	45	-	18	A	0.54	11	22	46	-	18	A
Alexandra Avenue and Hawkesbury Road	0.63	33	39	46	52	80	C	0.63	33	39	46	52	80	C

Intersection Operation - PM

Intersection	2020-without-development-intersection-performance							2020-with-development-intersection-performance						
	Degree-of-saturation	Average-delay-(seconds)	95 th -percentile-queue-(m)				Level-of-service	Degree-of-saturation	Average-delay-(seconds)	95 th -percentile-queue-(m)				Level-of-service
			South	East	North	West				South	East	North	West	
Briens Road-and-Redbank-Road	0.8	30	184	323	-	289	C	0.83	31	191	323	-	289	C
Bridge Road-and-Darcy-Road	0.74	27	51	105	21	44	B	0.74	27	51	105	21	50	B
Darcy Road,-Institute-Avenue-and-Mons Road	0.99	46	45	82	56	24	D	1.04	57	44	104	56	37	E
Dental-Hospital,-Marist-High-School-and-Darcy Road	0.21	4	4	4	13	0	A	0.21	4	4	4	10	0	A
Hospital-Access,-WSU-and-Darcy-Road	0.6	41	56	25	64	5	C	0.6	42	57	25	69	5	C
Darcy Road-and-Hawkesbury-Road	0.73	23	-	58	50	49	B	0.76	24	-	59	49	57	B
Railway-Parade-and-Hawkesbury-Road	0.74	30	58	130	-	24	C	0.69	29	58	130	-	23	C
Alexandra-Avenue-and-Hawkesbury-Road	0.78	35	58	55	37	54	C	0.78	41	58	55	37	54	C





Health
Infrastructure

Meeting Minutes

The Children's Hospital Westmead Stage 2 – Health Infrastructure / Parramatta Council Meeting

Meeting No.: 03

Date/Time: 27 November 2020

Start: 1:30pm

End: 2:30 pm

Venue: Video Conference

Attendance

Name		Organisation	Role
Caleb Teh	CT	Health Infrastructure	Project Director
Jennifer Concato	JC	City of Parramatta Council	Executive Director, City Strategy
Geoff King	GK	City of Parramatta Council	A/Director, City Strategy
David Birds	DB	City of Parramatta Council	Group Manager, City Planning
Kelly Van Der Zanden	KV	City of Parramatta Council	Group Manager, City Design
Tara Veldman	TV	Billard Leece Partnership	Architect
Shaun Cassidy	SC	Billard Leece Partnership	Architect
James Wright	JW	PwC	Project Manager

Item	Topic - Actions	Action	By
1.0	Apologies and Introductions		
1.1	Apologies and introductions noted.	Note	-
2.0	Update on The Children's Hospital at Westmead (CHW) Stage 2 Redevelopment Design		
2.1	HI introduced the purpose of the session.	Note	-
2.2	<p>A flythrough of the CHW design was presented. BLP discussed orientation and inputs into the urban design.</p> <p>Action:</p> <ul style="list-style-type: none"> CoPC to be issued a copy of the presentation slide deck and flythrough link [Post Meeting Note]: The presentation was issued in November 2020 and is attached. 	<p>Note</p> <p>PwC</p>	<p>-</p> <p>Closed</p>
2.3	<p>The following drivers of the design were discussed:</p> <ul style="list-style-type: none"> Urban Design Tree Canopy Campus permeability noting the ground plane detail is important considering scale, landscape, wayfinding and art design response. 	Note	-
3.0	Other Items		
3.1	<p>Flood Mapping</p> <p>City of Parramatta Council (CoPC) raised flood mapping for the Westmead Campus as an important item. PwC presented the modelling diagrams and confirmed the current flood modelling is ongoing.</p>	Note	-
3.2	<p>Access to the Creek and Cycle Paths</p> <p>Access to the creek and broader cycle paths were discussed.</p> <p>Action</p> <ul style="list-style-type: none"> CoPC to distribute a broader area cycle path map. [Post Meeting Note]: The map was issued in November 2020 and is attached. 	<p>Note</p> <p>CoPC</p>	<p>-</p> <p>Closed</p>
4.0	Next Meeting		
4.1	Next meeting to discuss CHW design, flood mapping, creek access and cycle paths in greater detail.	Note	-

Attachments:

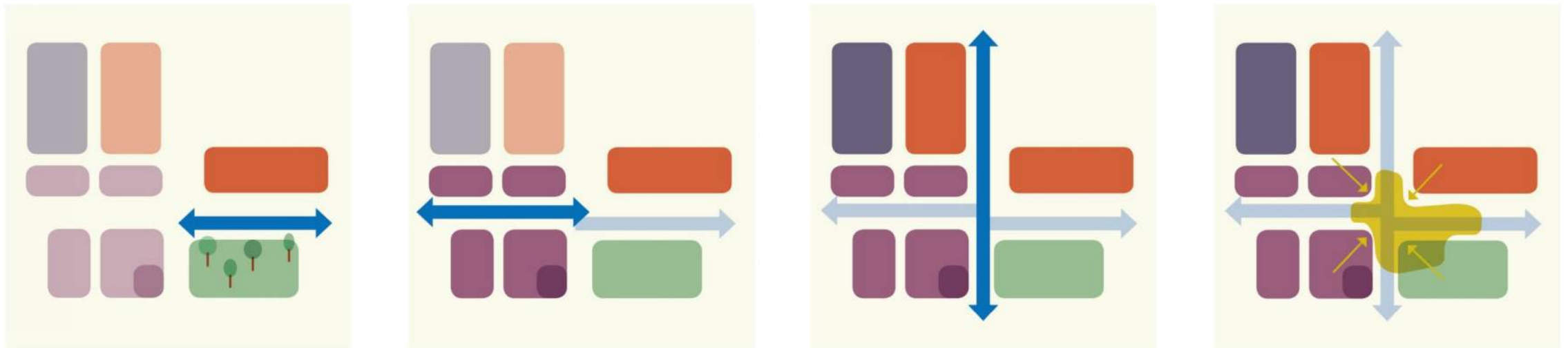
- Attachment 1: Presentation**
- Attachment 2: Cycle Map**

Attachment 1: Presentation

Children's Hospital Westmead (CHW)

Stage 2 Redevelopment

26 November 2020

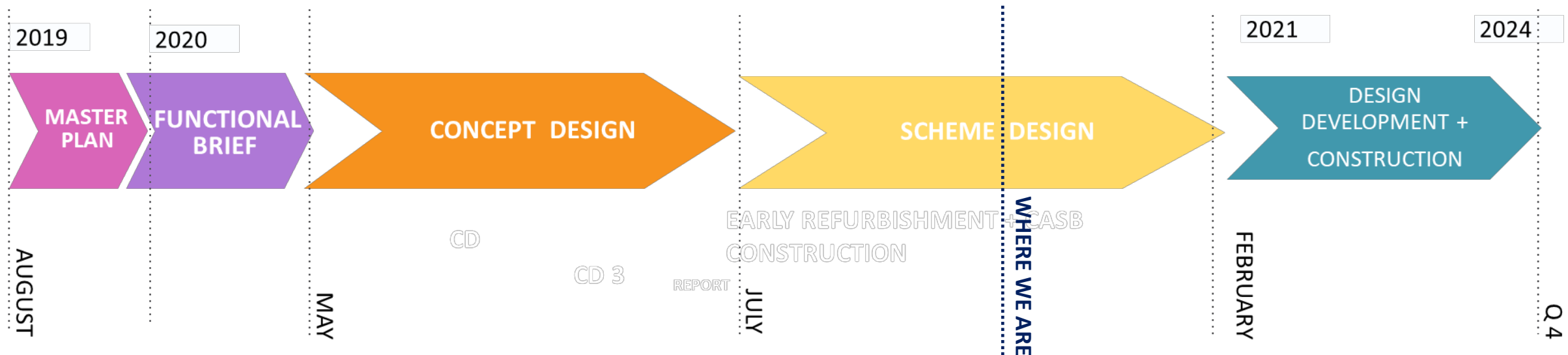


Project Background

The NSW Government has committed \$619m for The Children's Hospital at Westmead Stage 2 Redevelopment. The opening of the Westmead Central Acute Services Building (CASB) will see the completion of The Children's Hospital at Westmead Stage 1 works.

As a further development of the Westmead Health Precinct, this grows the precinct as one of the largest health, research, education and training precincts in the world.

The Stage 2 redevelopment will include a new Paediatric Services Building (PSB) and to complement the Stage 1 investment and replacement of car parking.





Site and Context

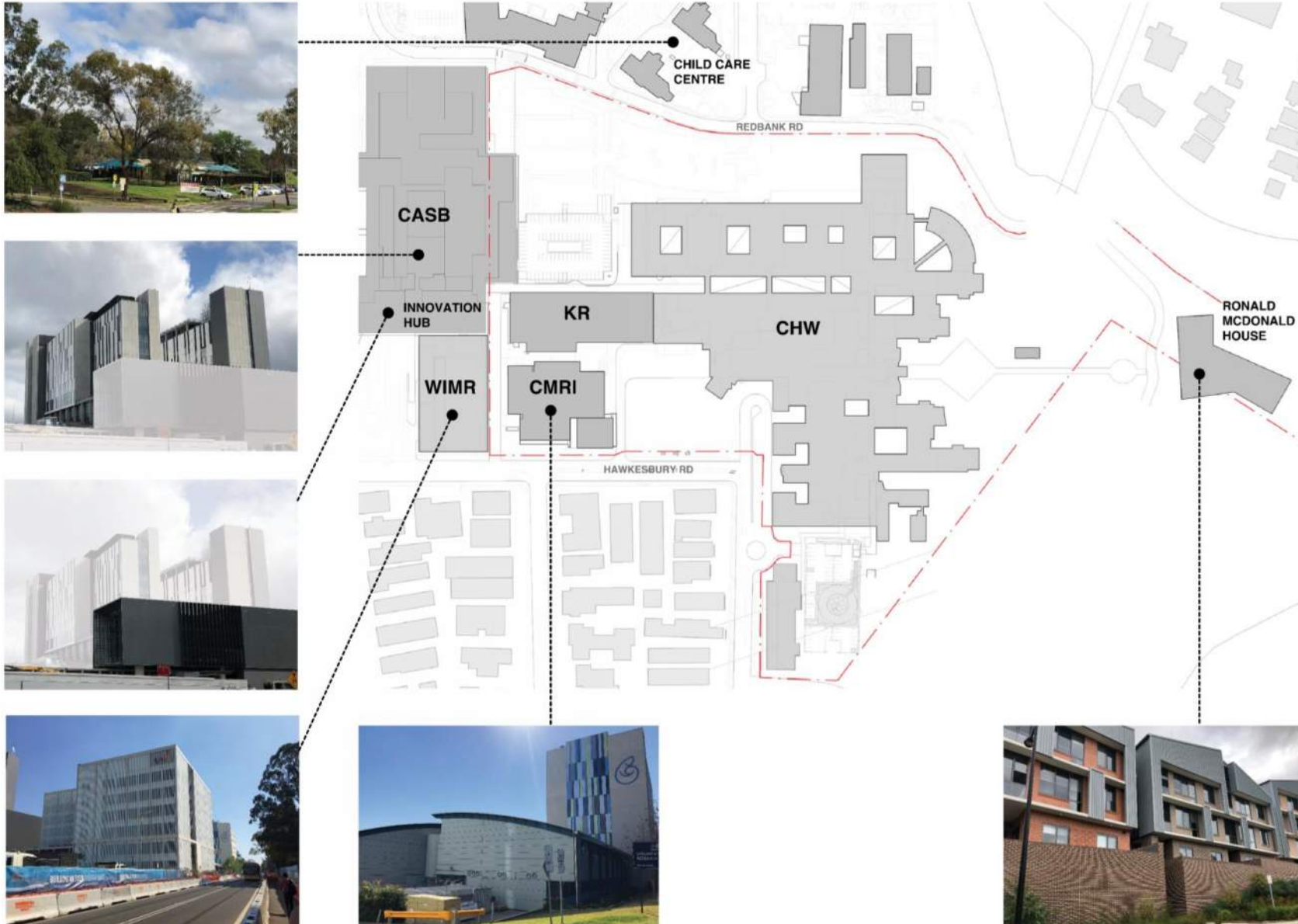
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Site Design Considerations

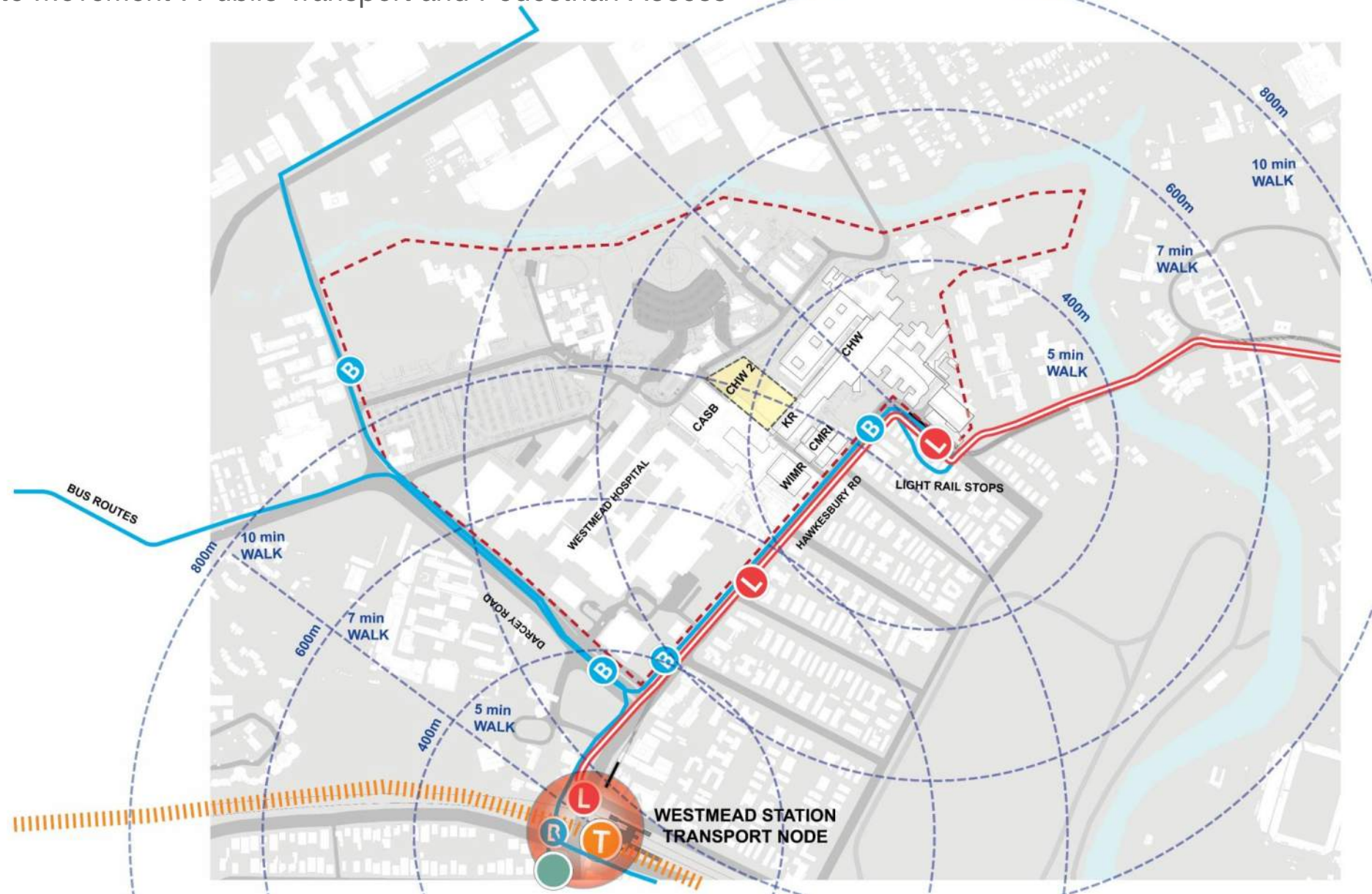
Context

The Site – Existing Built Form | Streetscapes



Context

The Site – Site Movement | Public Transport and Pedestrian Access



Context

The Site – Westmead Health Core Structure Plan




- Green Link Parks
- Toongabbie Creek Activation
- Health Core
- Mixed Use
- Future Research
- University
- Shared Zone
- Westmead Plaza
- Hospital Entry Plaza
- Ground Floor Activation
- Sporadic Activation
- Pedestrian Linkage
- Indicative Footprint
- Development Opportunity Zone
- Major View Line
- Secondary View Line
- Pedestrian Trail
- Ambulance & Service Road Only
- Major Road
- Secondary Road
- Railway
- Light Rail, Pedestrian and Cycle
- Light Rail
- Light Rail Stop
- Hospital Entrance
- Transport Node
- Cultural Node
- Green Node
- Potential Built Form Node
- Secondary Nodes
- Secondary Node - Discussion Point
- Future Metro Station

Context

Public Realm

Masterplan



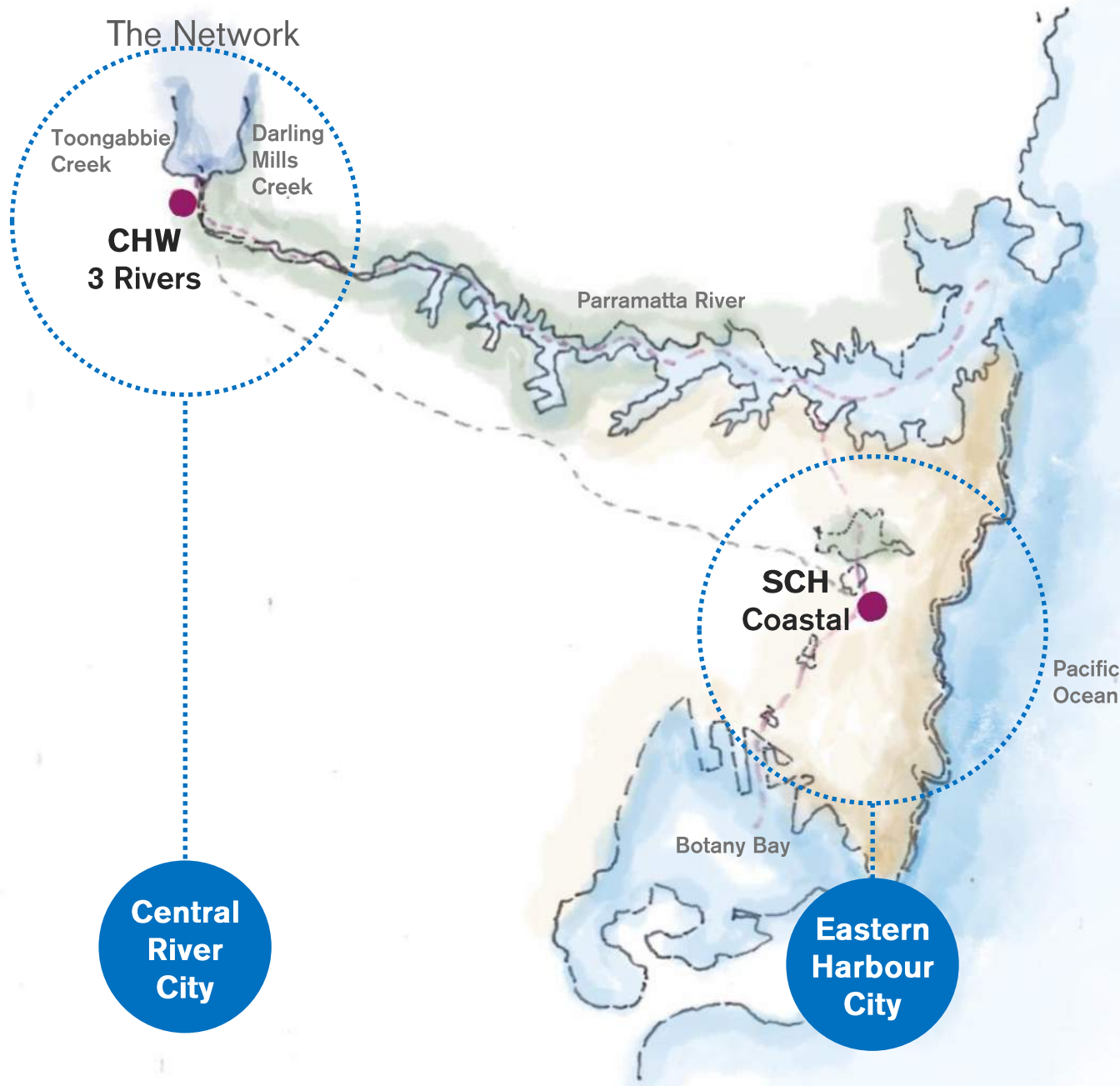


Concepts

The Network - Saltwater + Freshwater



The Network



Fresh air and access to nature

Historically Sydney hospital's were sited close to the water to take advantage of the **healing and restorative** properties that these environments offered.

Once again.....

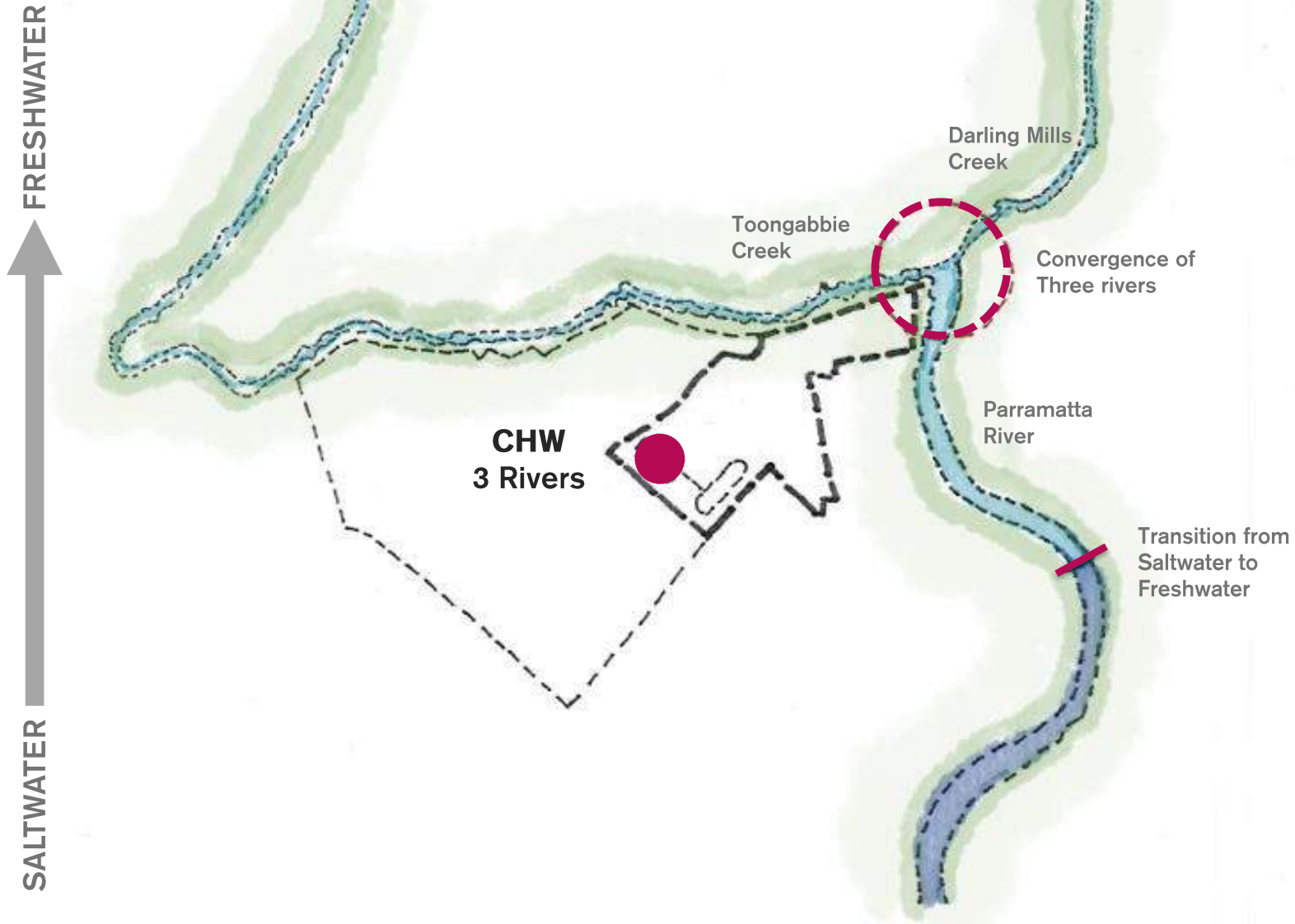
we can draw inspiration from the unique ecologically settings offered to both hospitals to create a **network** conduit.

Both share the story of the convergence of **saltwater and freshwater**



Three Rivers

Meeting Place



Overarching Design Principles

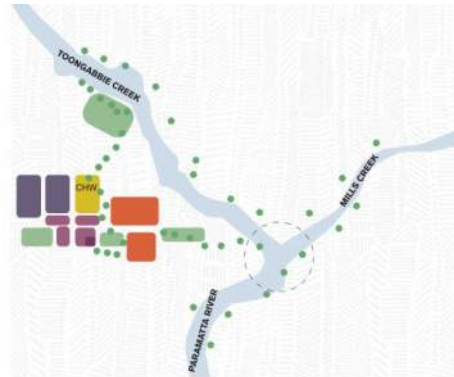


Three Rivers

- Celebrates the Central River City and the Hospital's immediate surrounds
- References the site's unique positioning between three river networks convergence; where saltwater meets freshwater
- Connects both the Indigenous and European historical landscapes

These themes will inform:

- Building massing
- Material selection
- Interior palette
- Wayfinding
- Landscape



BRINGING TOGETHER OF IDEAS



SHAPES OF THE RIVER



IMAGINATION OF A CHILD





Design Intent

Public Realm

Design Intent

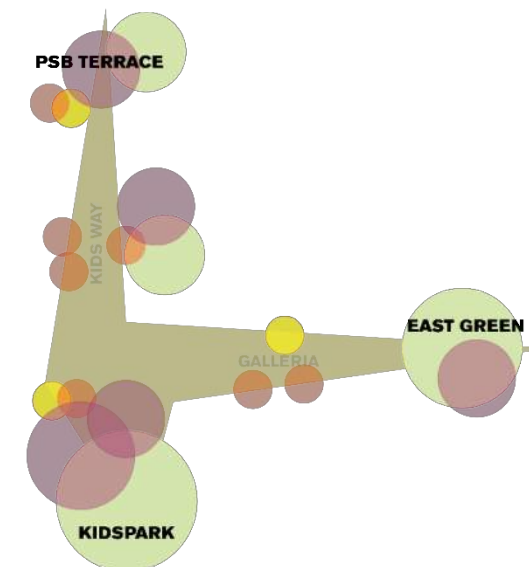
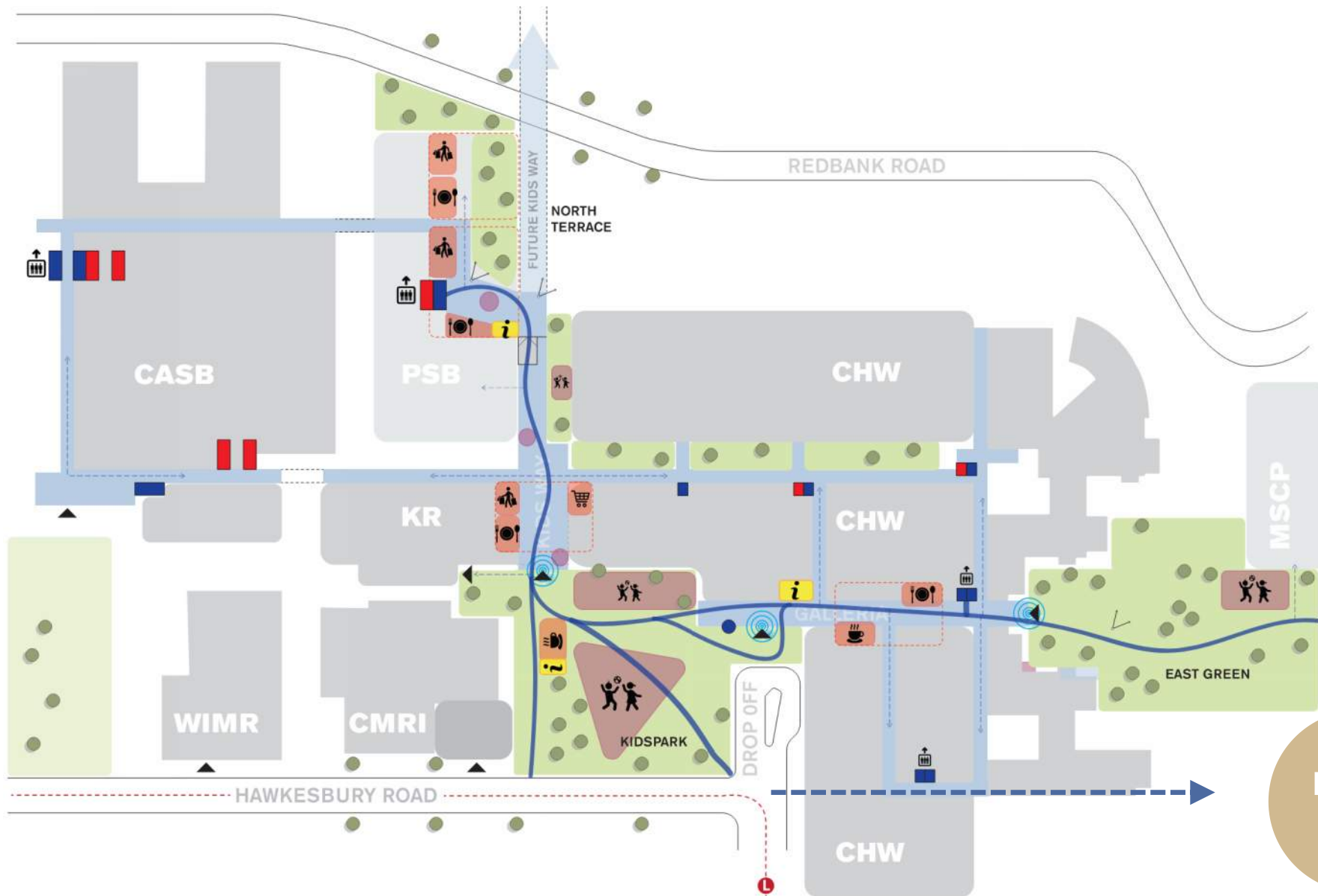
Translation Public Realm

Masterplan



Translation Public Realm | Site Linkages

Destinations



RIVER LIFE

RIVER PLACES

RIVER STORY

The background of the slide is a photograph of a stone staircase built into a forest. The steps are made of large, flat stones and lead up a hillside. There are many green ferns and trees around the path. A person is visible at the top of the stairs in the distance.

Design Intent

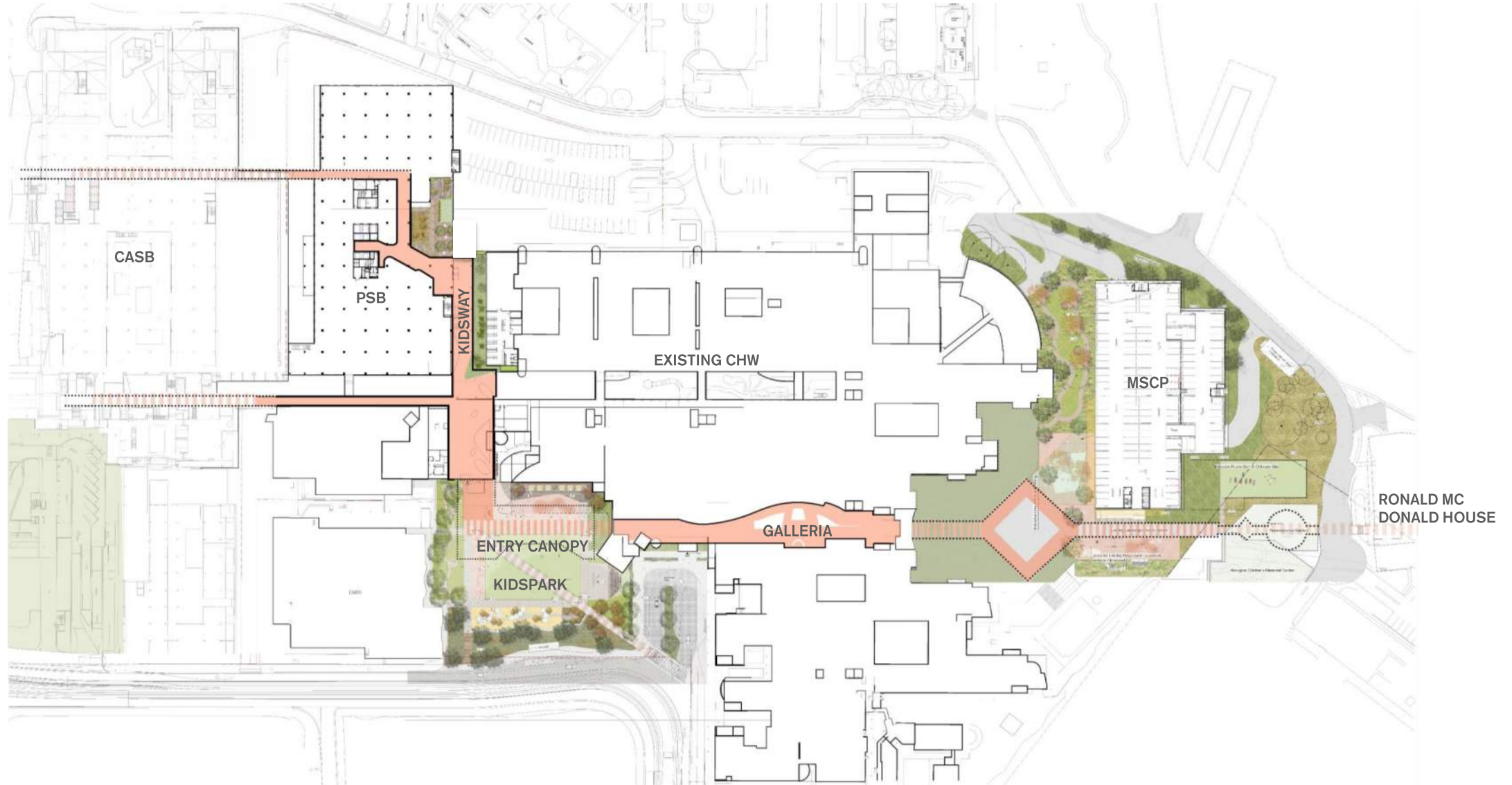
Entries and Arrival Experiences

Entries and Arrival experiences

Creating Places



Public Links and Entries



Entries and Arrival experiences

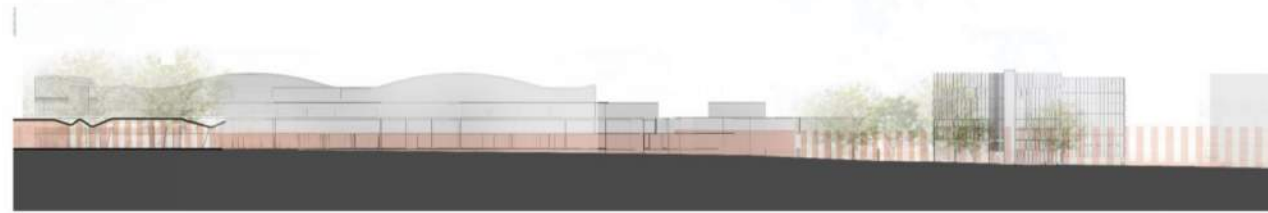
Creating Places



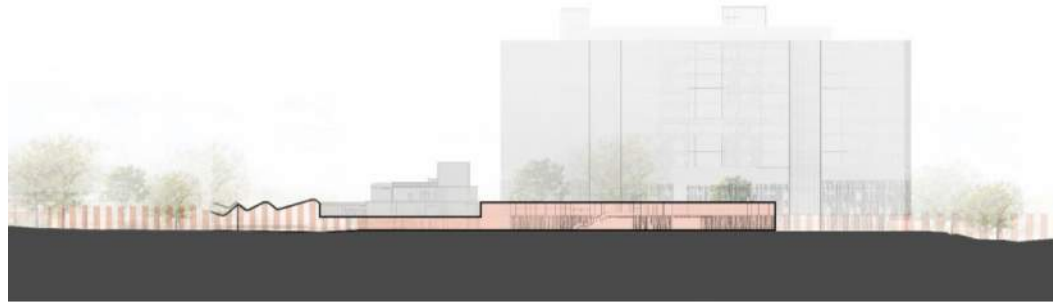
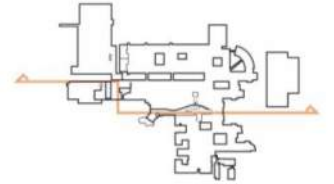
Public Links and Entries



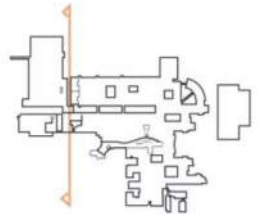
← CONNECTION TO WAH | CONNECTION TO CASB | PSB →



PSB ENTRY KIDS PARK | ENTRY FROM GALLERIA | LANDSCAPE CONNECTION TO RONALD MCDONALD HOUSE →



← PSB ENTRY KIDS PARK | PSB | KIDS WAY →





Design Intent

Landscape Design

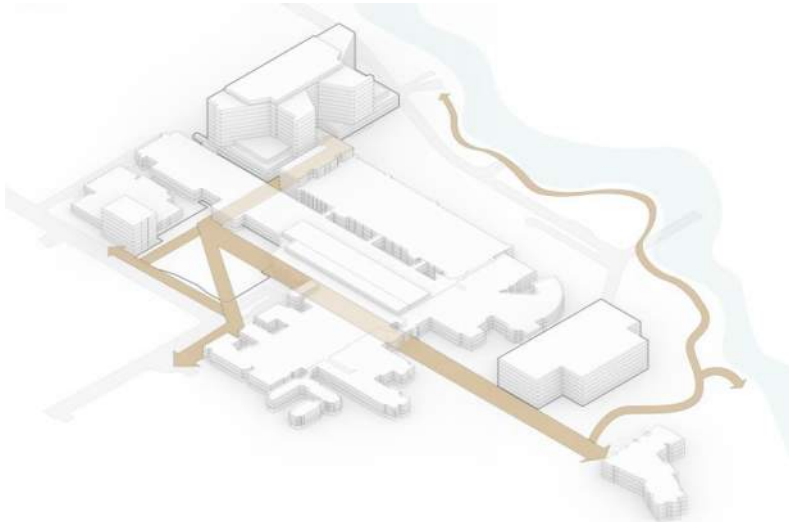
Design Intent

Translation Landscape – Key Public Domain Areas



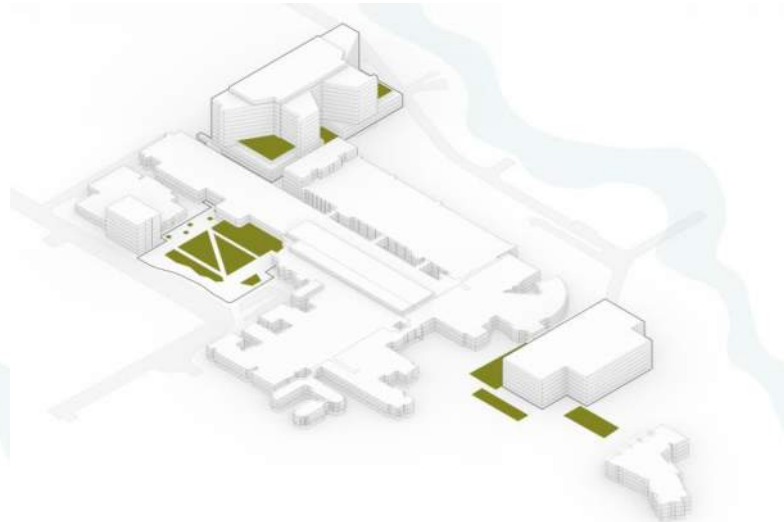
Design Intent

Translation Landscape – Design Principles



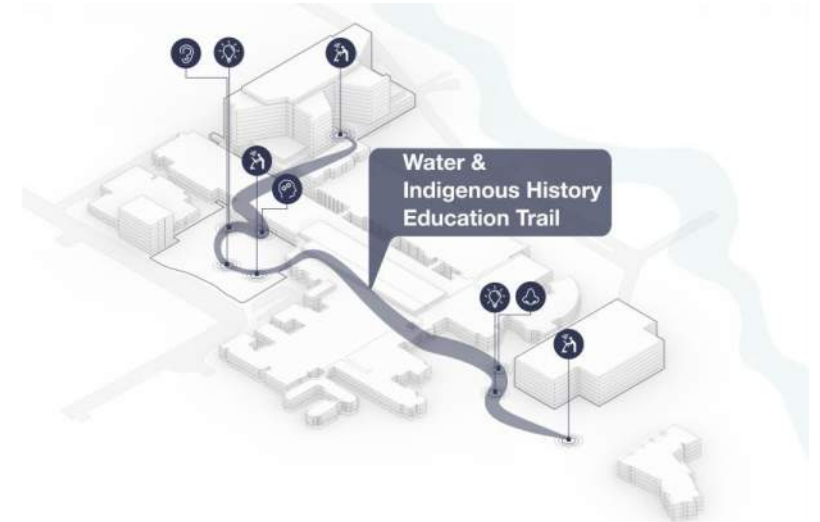
RIVER LIFE

Connecting the life of the river with the life of the Children's hospital.



RIVER PLACES

Places of gathering, play and healing.



RIVER STORY

Connect with the dynamic story of water through indigenous history and public art.

Design Intent

Translate Landscape Design Objectives



Create an interconnected green environment enhancing both mental and physical health



Provide safe and inclusive open spaces
Catering to the needs of the diverse audiences

RIVER LIFE

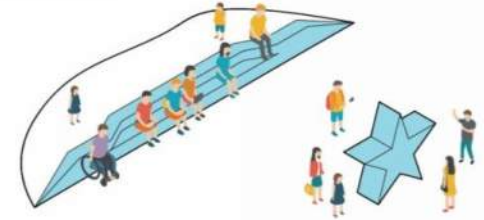


Provide intimate spaces for families & carers

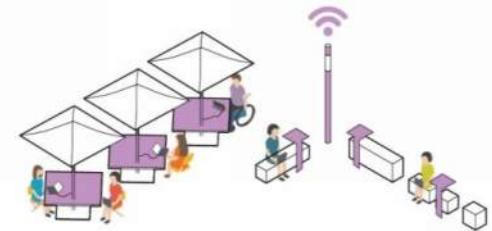


Provide age appropriate & diverse play spaces

RIVER PLACES



Spark interest and engagement through the use of interactive elements.



Create smart, multi-functional spaces to bring the life of the hospital outside

RIVER STORY

Design Intent

KIDSPARK - Program



Kids Park

Kids and Youth Play



Meet, Rest and Event



WSUD and Nature Play

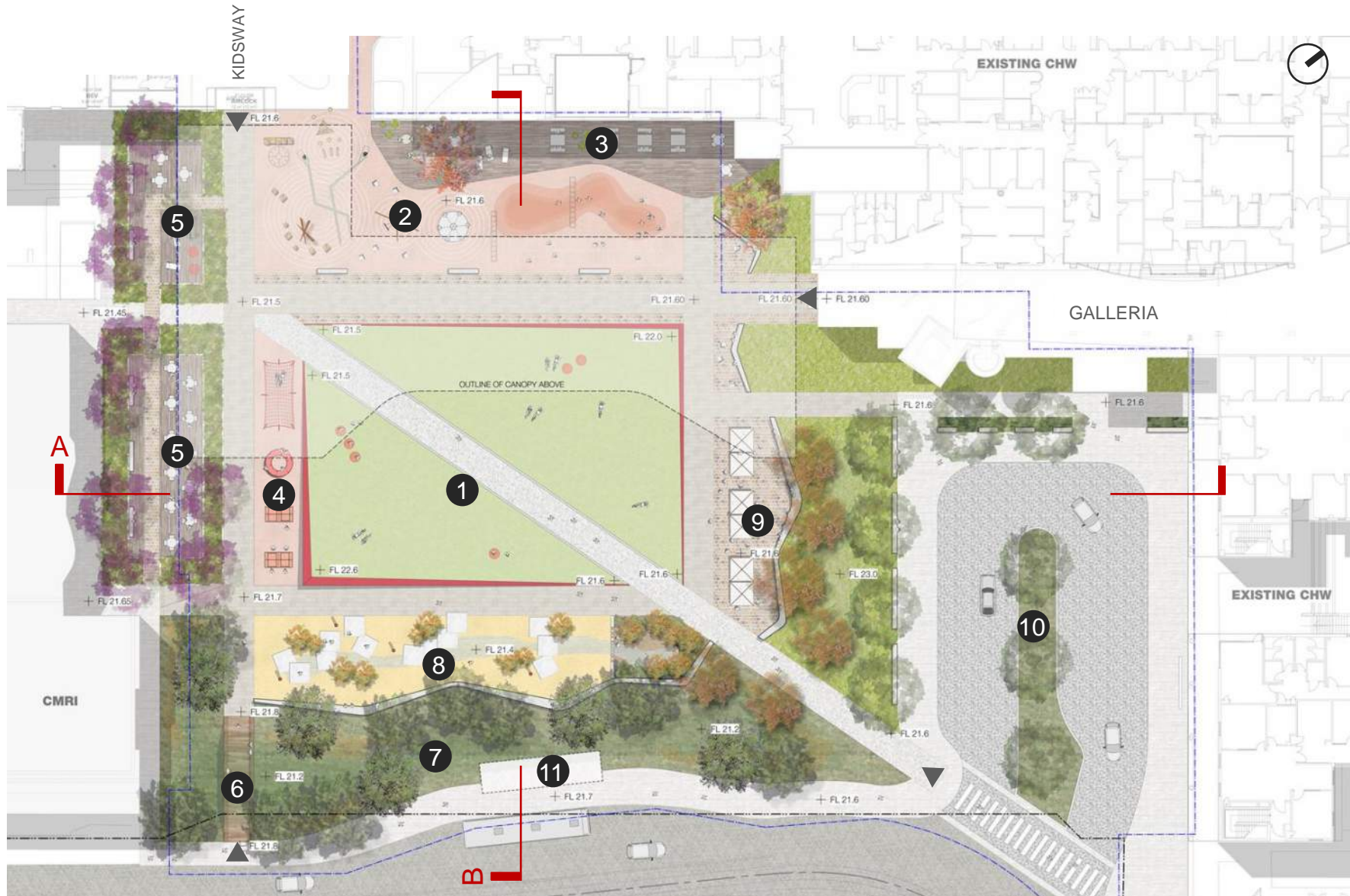


Landscape Plan

Translation Landscape



Kids Park



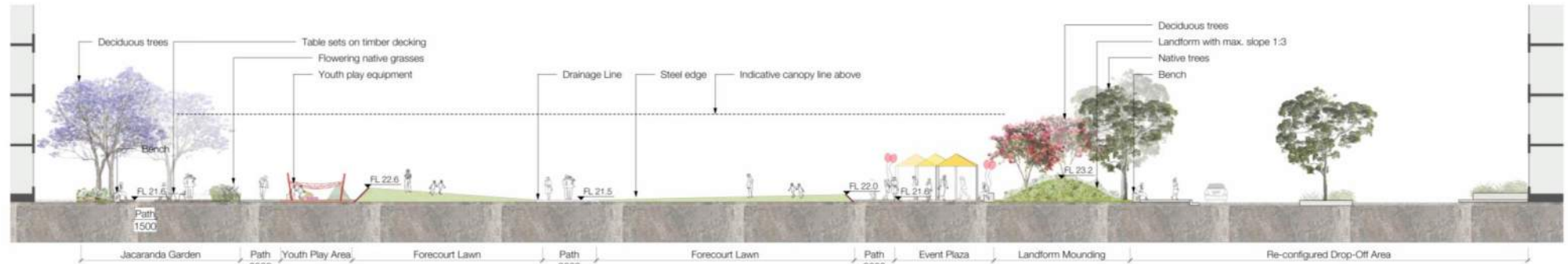
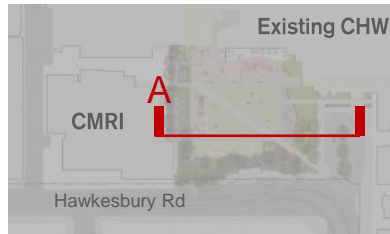
1. Forecourt Plaza
2. Kids Play Area
3. Outdoor Deck
4. Youth Play Area
5. Jacaranda Garden
6. Hawkesbury Road Entry
7. WSUD Rain Garden
8. Nature Play Area
9. Event Plaza
10. Re-configured drop-off
11. Bus Stop

Landscape Sections

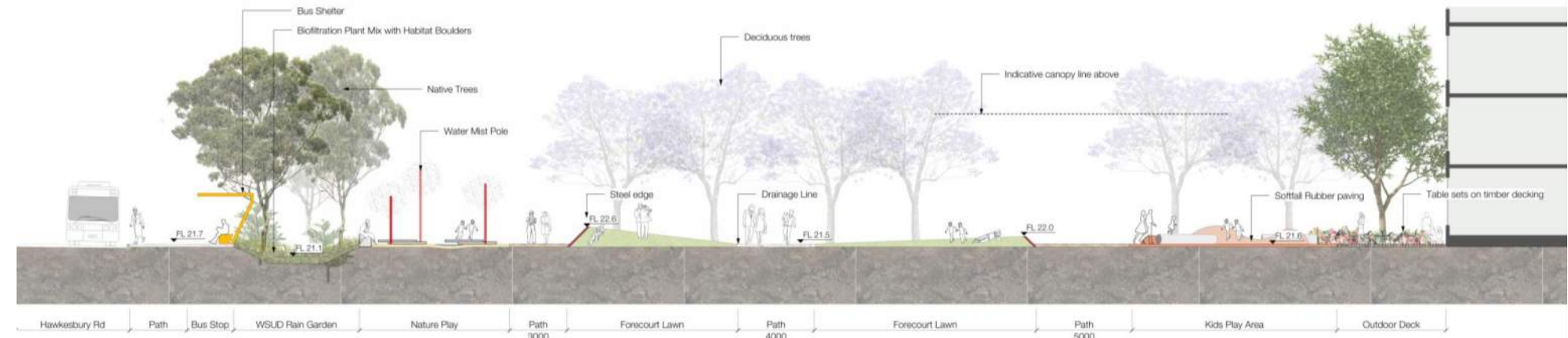
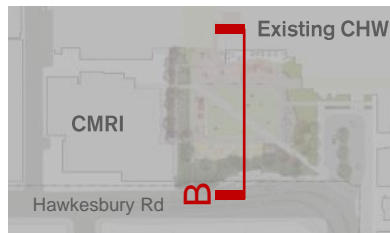
Translation Landscape



Kids Park



Section A

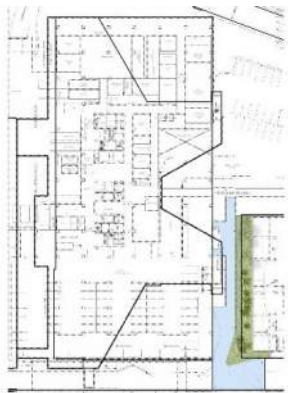


Section B

Landscape Plan

Translation Landscape

Showcase locally native Rainforest
Gully species and connect with
indigenous heritage and local flora and
fauna



PSB Lv02 – Key map



Kidsway – Level 02



Landscape Plan

Translation Landscape

Level 03 will be a key outdoor space for the PSB.

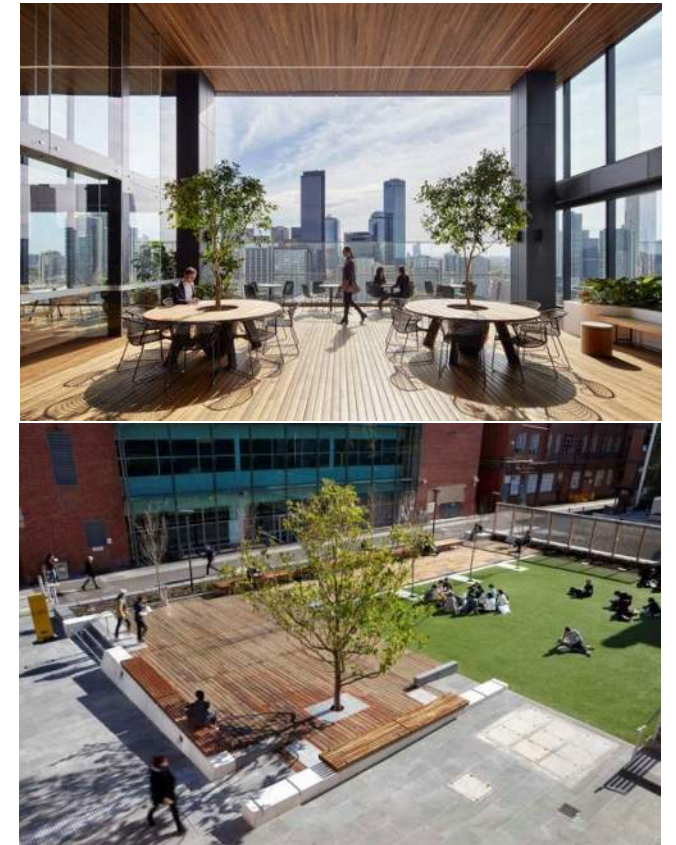
Intent is to provide a range of opportunities for relaxation and gathering in varying sizes with areas of sun and shade.



PSB Lv03 – Key map



Kidsway – Level 03



Landscape Plan

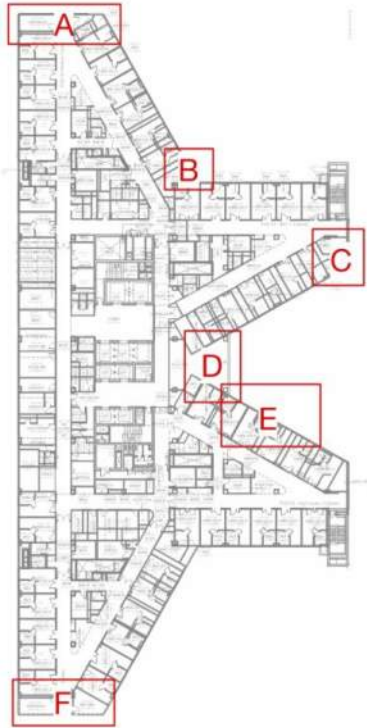
Translation Landscape



MSCP



Potential Constraints on Other Outdoor Areas



A range of seating and gathering spaces will be provided across multiple levels of the PSB.



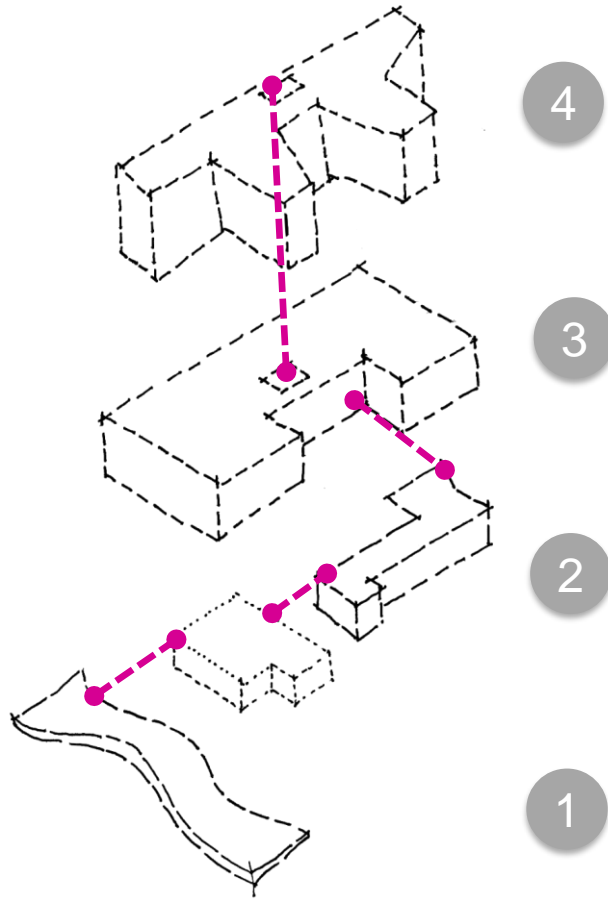


Design Intent

Built Form

Design Intent

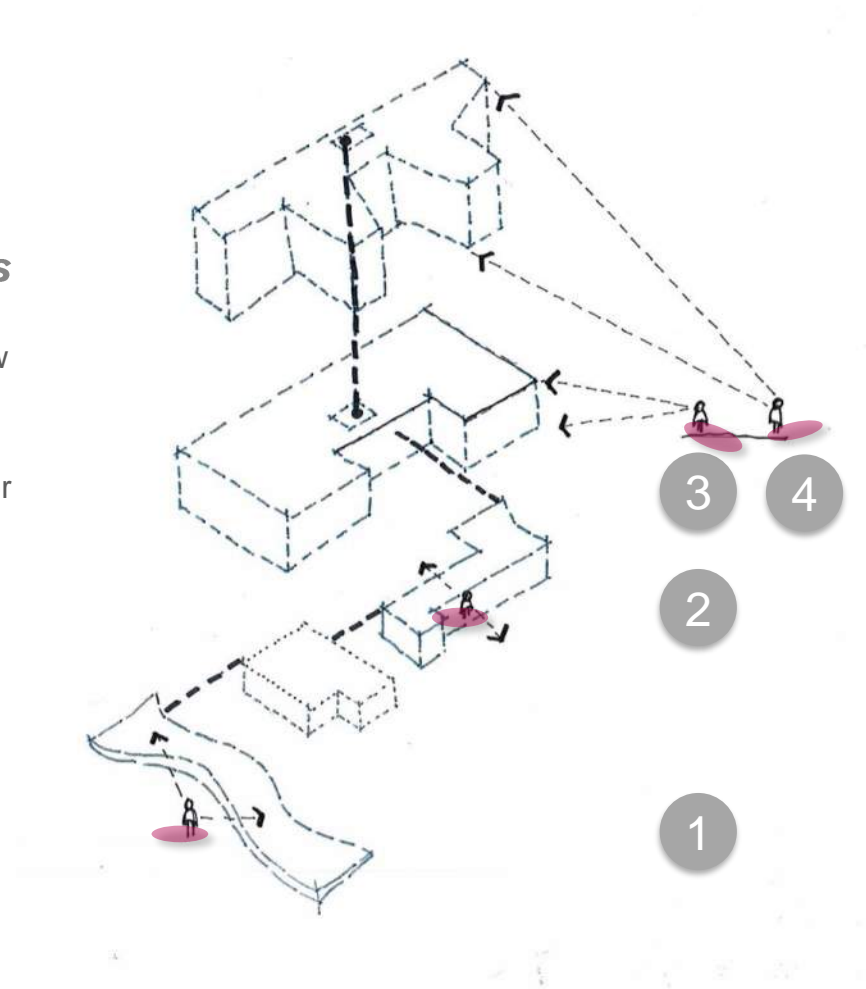
Translation Built Form



Sequence of Forms

4 Key Elements are employed to create the flow through the Built Form:

1. The Entry Canopy
2. The Glazed Connector
3. The Rectilinear Form
4. Sculptured Form



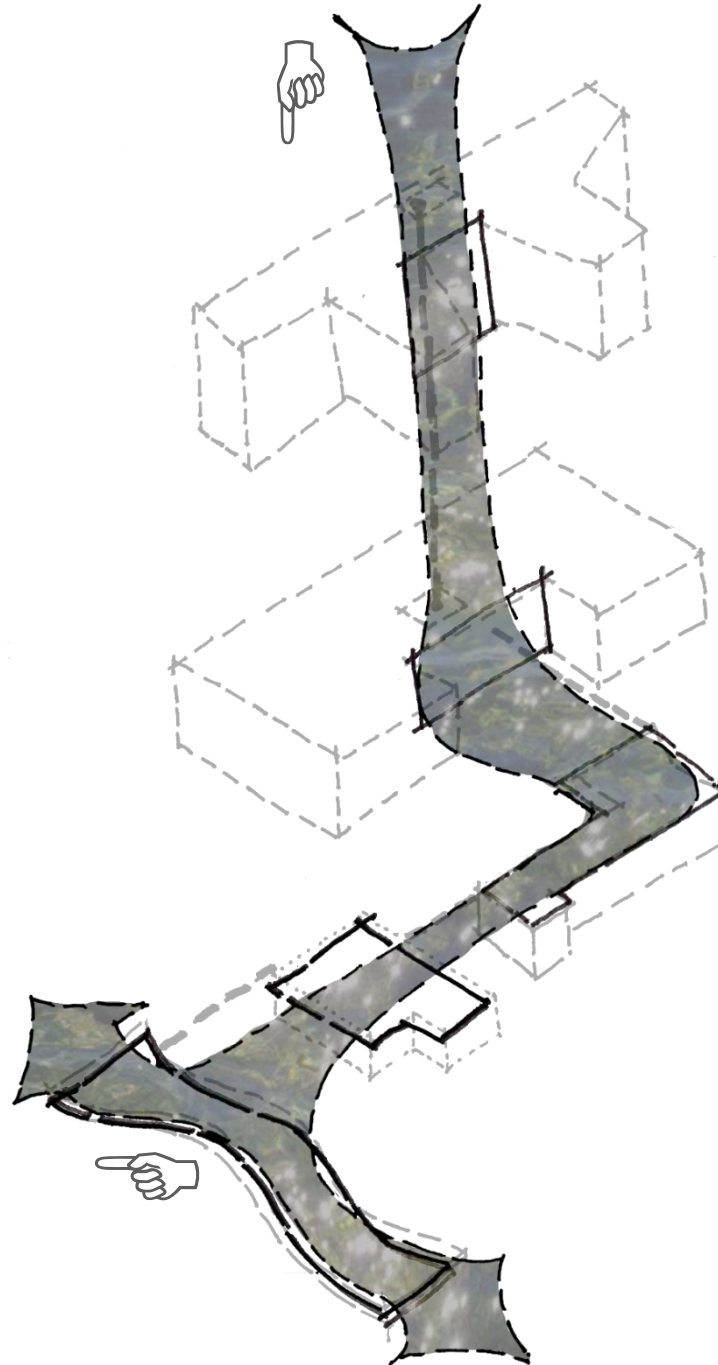
Flow of Forms

These 4 Key Elements allow for different experiences and materiality as one moves through or engages with the built form :

1. Overhead / Protective / Embracing
2. Connection to the outside
3. Intimate engagement with the form
4. Distant engagement with the form

Design Intent

Translation Built Form



The flow of the river

The built form will be tied together with an element that 'pours' through and touches different surfaces along its journey - be it the façade, walls or soffits.

This gesture aims to draw people up and through the building.

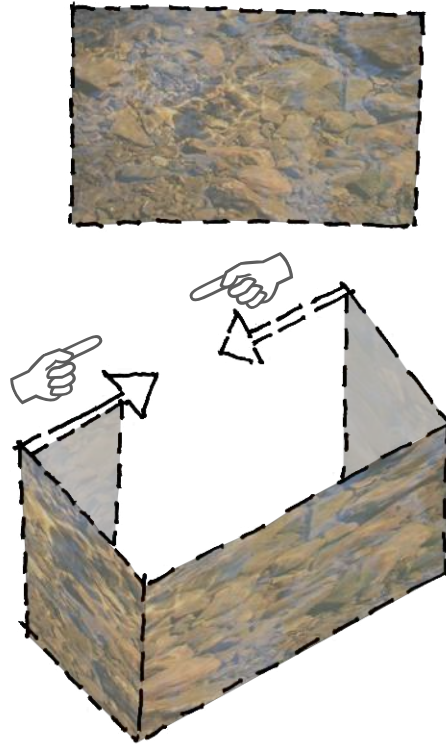
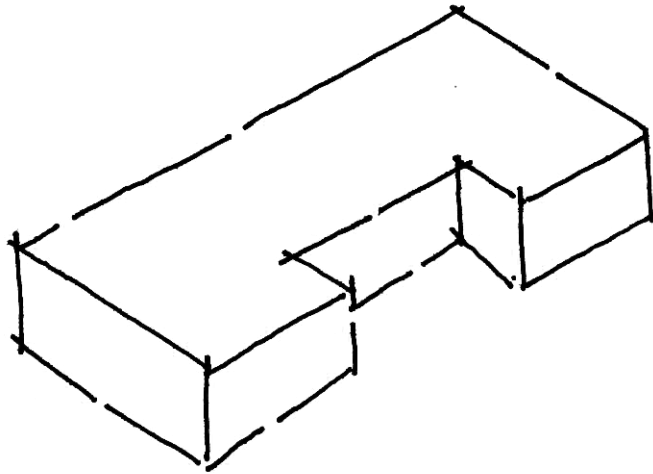
BRINGING TOGETHER OF IDEAS

RIVER
LIFE



Design Intent

Translation Built Form



Rectilinear Form

The textures at the rivers edge are reimagined as a wrapping around the podium levels, where there will be more up-close engagement with the built form.

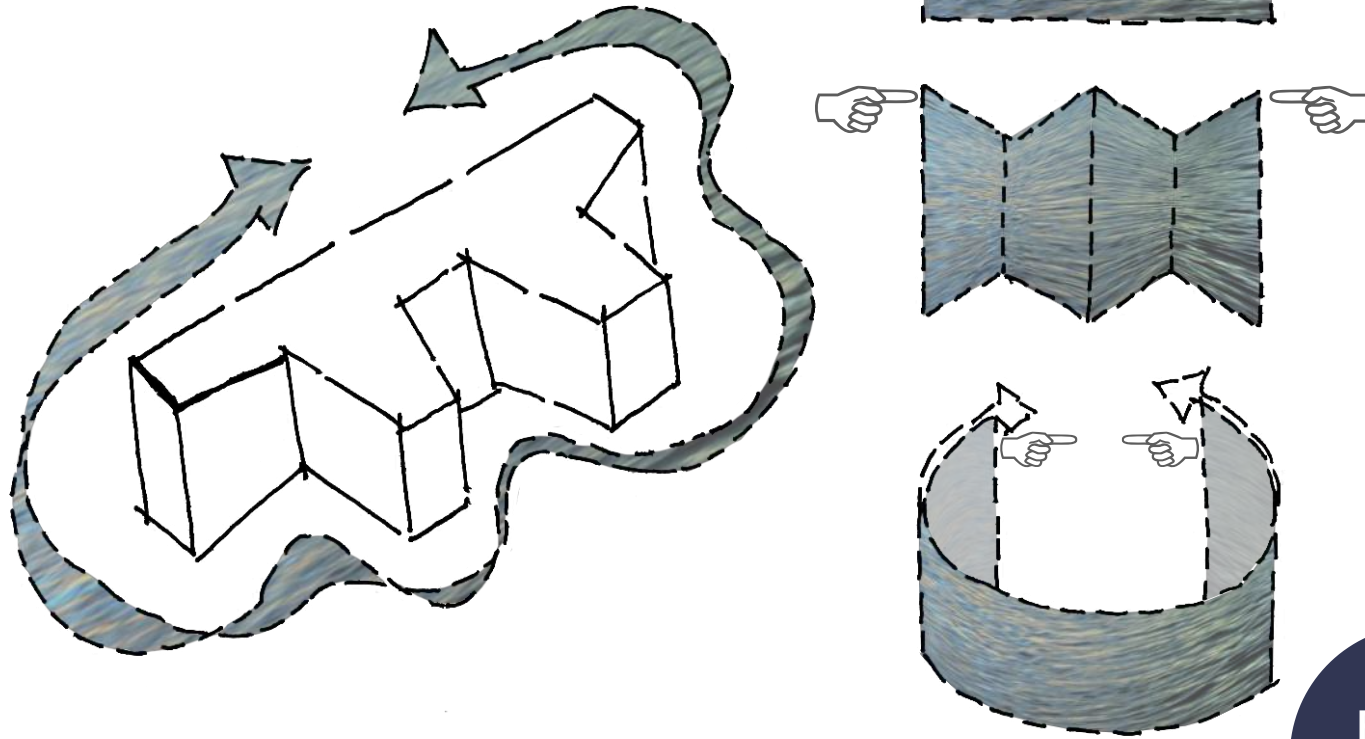
SHAPES OF THE RIVER

RIVER
PLACES



Design Intent

Translation Built Form



Sculptured Form

The shimmering texture and play of light across the surface of the river is imagined as an unfolding and wrapping around the form.

The materiality of sparkle and fracturing of light is to be appreciated from a distance.

IMAGINATION OF A CHILD

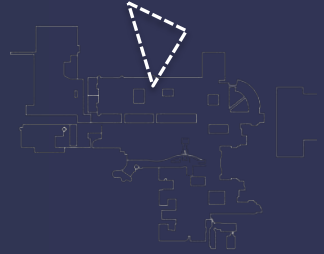
RIVER
STORY



Design Intent

Built Form— View from Redbank Road

Built Form and Material Hierarchy

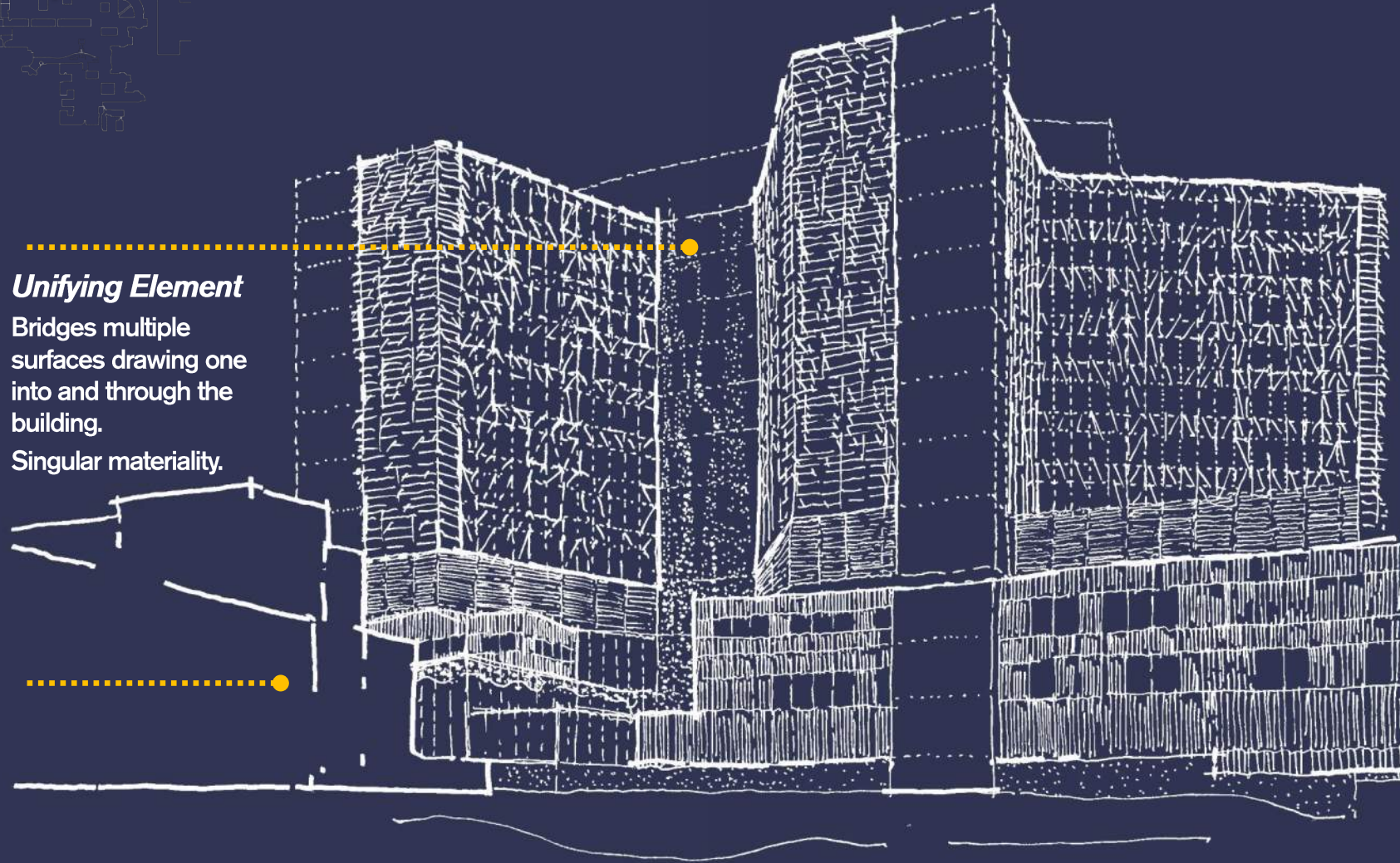


RIVER
LIFE

Unifying Element

Bridges multiple surfaces drawing one into and through the building.

Singular materiality.



RIVER
STORY

Sculptural Form

Refracted Expression.

Shimmering finish and folded panels that sparkle under the play of light.

Changing visual appearance throughout the day.

Appreciated from a distance.

RIVER
PLACES

Rectilinear Form

Textural Form

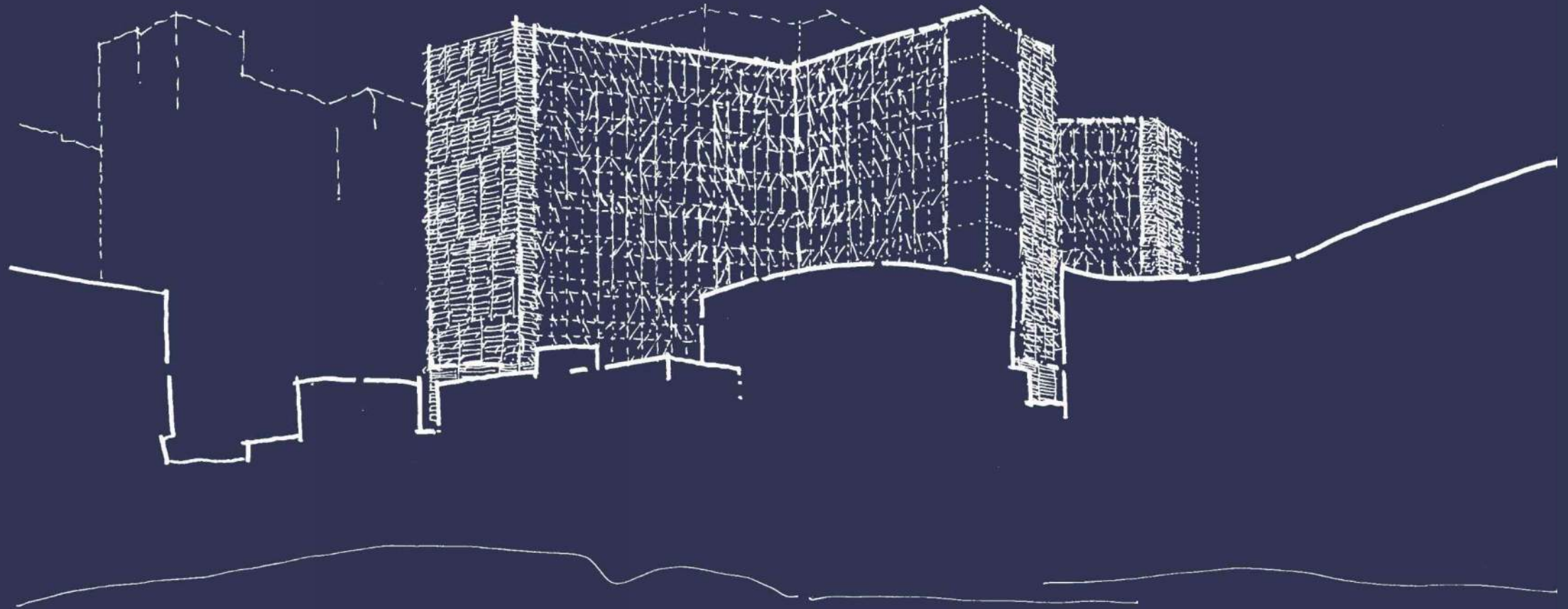
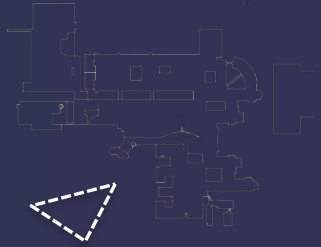
Vertical Expression.

Grounded base appreciated close up.

Design Intent

Built Form – View from Hawkesbury Road

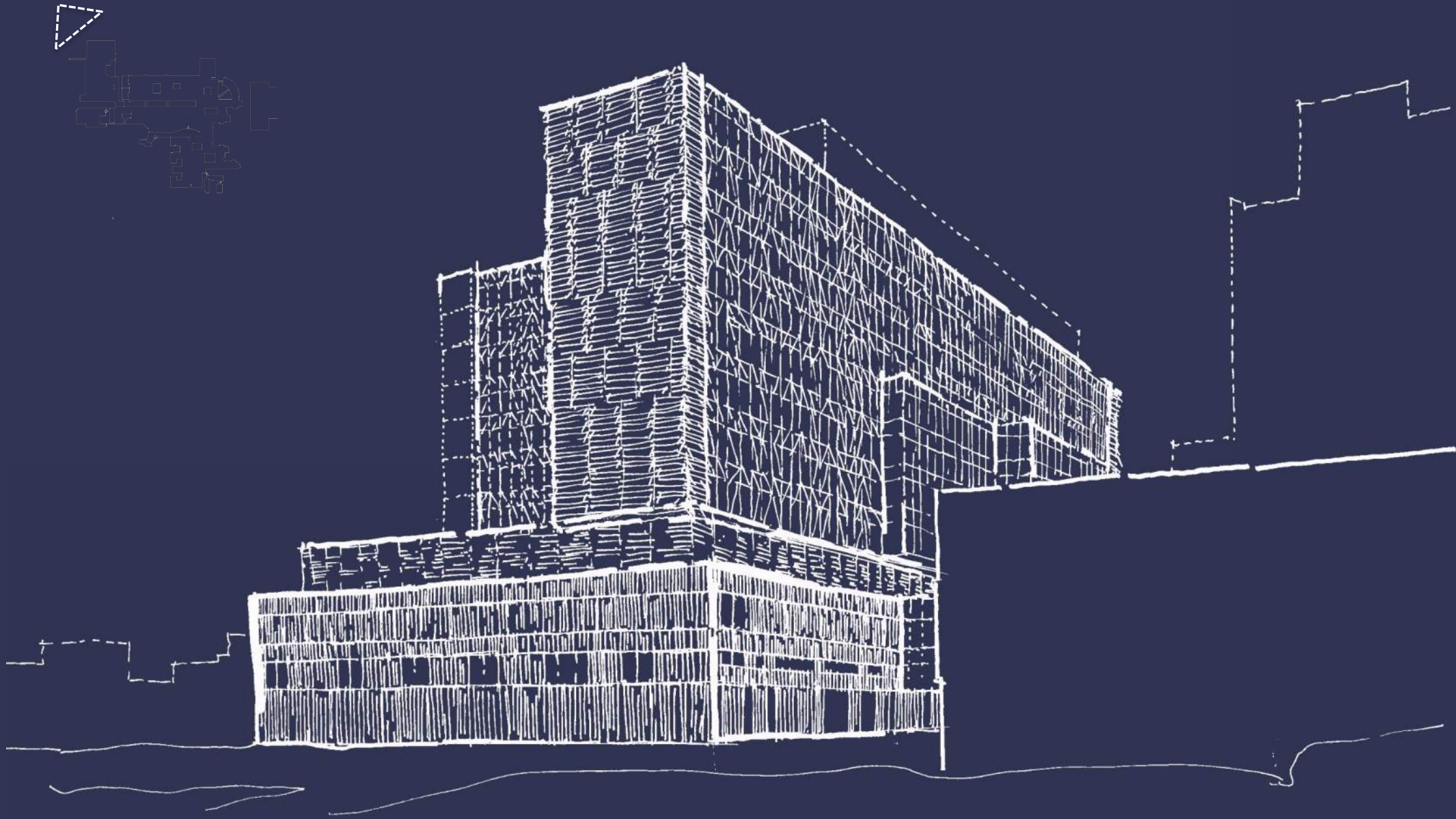
View



Design Intent

Built Form – View from Redbank Road | South Western Elevation

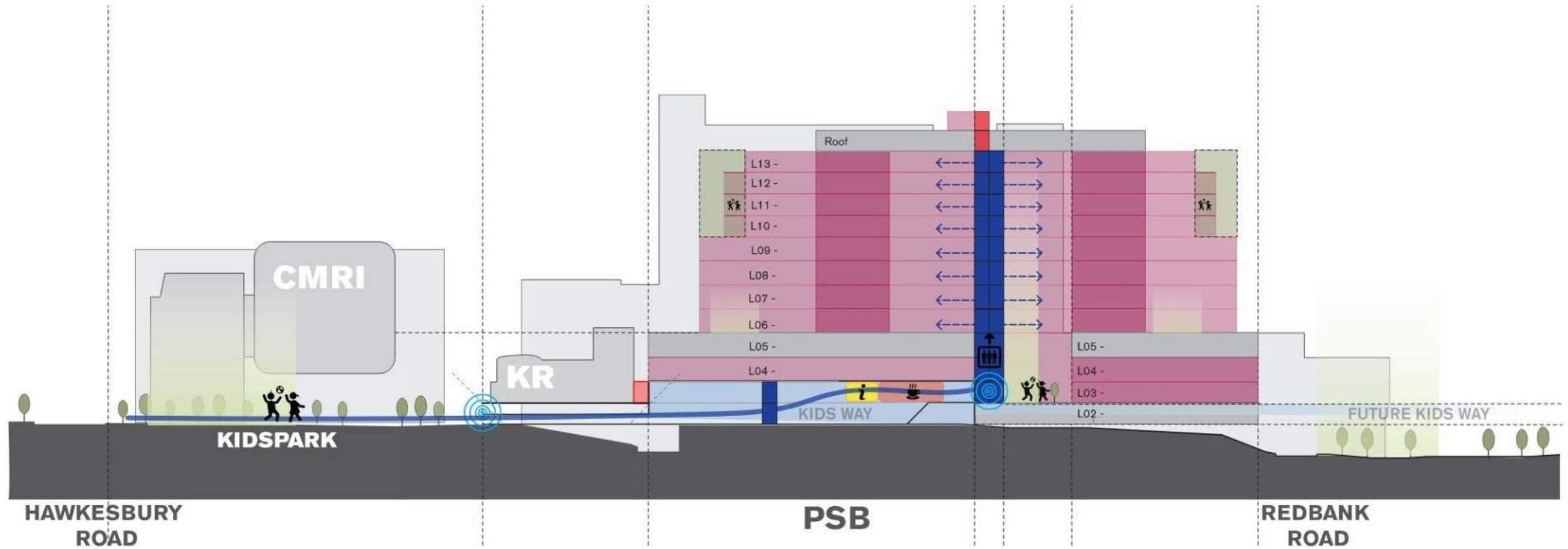
View



Design Intent

Built Form

Section

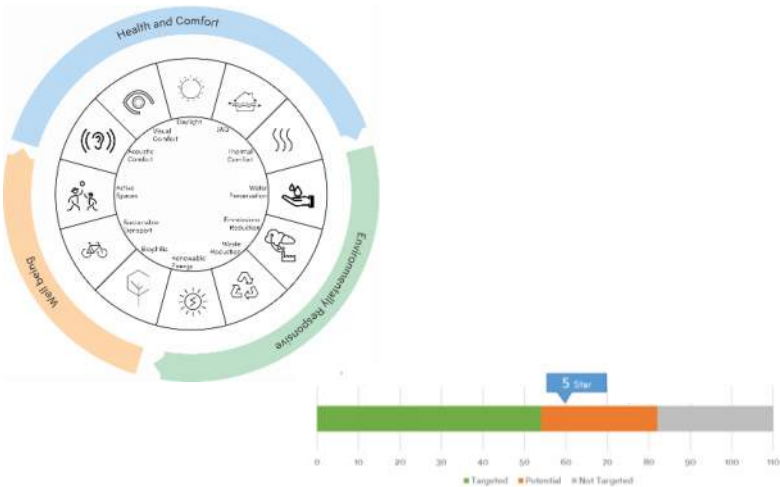




Design Intent

Built Form

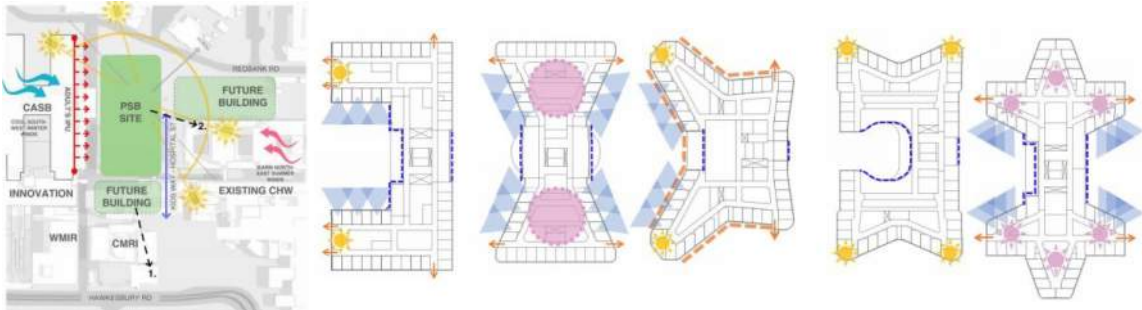
HI ESD Tool: 5 Star Green Star Equivalency



ESD Strategy Development Process



Environmental considerations for building optimisation



1	3	Good health and well-being
2	7	Affordable and clean energy
3	9	Industry, innovation and infrastructure
4	12	Responsible consumption and production
5	13	Climate Action
6	6	Clean water and sanitation
7	14	Life below water

A long list of initiatives has been identified against each category. An assessment will be undertaken to refine the long list a short list during the SD phase. This will consider potential whole-of-life cost benefits and alternate funding opportunities



Consultation

Consumer Engagement



Process

Consumer and Community Engagement has been undertaken to gather feedback and insights from key stakeholders to ensure the project meets the needs of patients, families, staff and the community now and into the future.

- 6 workshops - A total of 20 families participated
- A children's and adult's survey - A total of 530 survey responses
- Children's activity sheet - 50 activity sheets completed
- Over 30 stakeholders

Key Themes

- Outdoor access – ability to see the sky, indigenous & multicultural spaces
- Access to fresh air and natural daylight – windows and views
- Accessibility - ease of access to space, nighttime access, leaving children
- Art and play
- Design for the full age spectrum - age-appropriate spaces, indoor & outdoor
- Community & communication - Spaces to talk to other parents, social aspect
- Family spaces - indoor & outdoor spaces for families – close and extended
- Mental and physical health of parents and siblings
- Consideration of long stays - quiet spaces, family spaces, ability to sleep
- Availability of normal - ability to exercise, Healthy food options, facilities and home like qualities, spaces for families and siblings, Softening of space
- The spaces in between - Waiting spaces while children are in treatment, quiet spaces for a phone call, separated tables in communal areas
- Spaces that are culturally appropriate – welcoming and safe

Consultation with the **consumers and the community** to date:

- Clinical Services Directions project
- Consumer workshops via Zoom with **30 families**
- Surveys – A total of **888 respondents from Adults and Children**
- Children's activity worksheets
- Closed EOI for consumer committee: 30 applicants
- Upcoming consumer workshops online (October)
- Consumer participation in PUGs

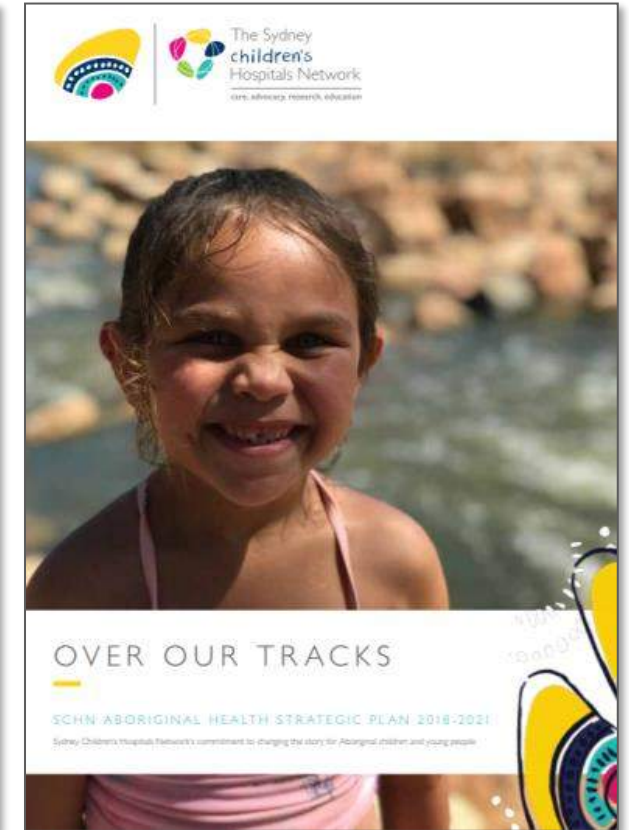
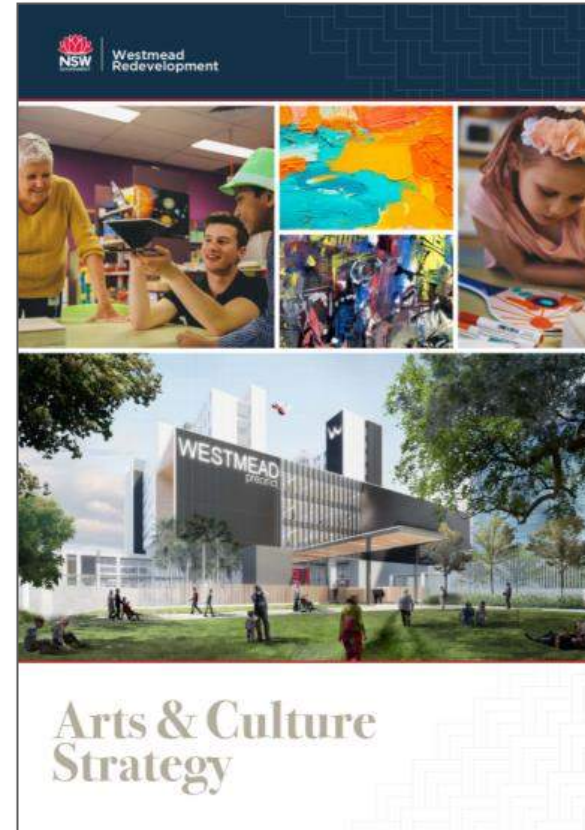


Consultation

Approach to Indigenous Culture and Heritage

Ongoing consultation with Indigenous stakeholders including:

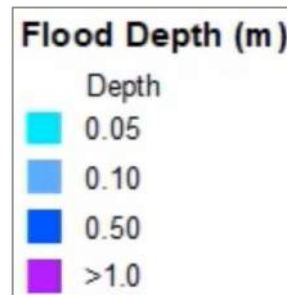
- Presentation to and ongoing engagement with the established Aboriginal Consumer Committee
- Consumer engagement with Aboriginal families. This will also inform the development of consumer journeys
- On going consultation with the Land Council and local community organisations
- Arts and Creative Play Survey - 135 survey participants across the network. Working group established, one key emerging theme is the development of culturally appropriate responses throughout the hospital.
- Consultation ongoing with the local Aboriginal Health Unit - to create welcoming and safe spaces for Indigenous kids, families and visitors (local and regional)



Flooding



- Red indicates the extent of development works which encroach into the PMF and 1% AEP extents on the perimeter of the site particularly at Redbank Road and KR Lane.
- To minimize adverse flood and stormwater impacts, efforts will be made for the development by:
 - Grading of the external ground levels to match into existing
 - Discharging to the existing stormwater networks with similar flows and catchment areas as per the existing conditions
 - Further flood modelling and assessment of the existing stormwater network to assess impacts.
- Flood Planning Level to be determined subject to flood modelling assessment of the proposed development.
- Building entryway thresholds will be designed to be above the Flood Planning levels with fall away from the building



PMF Overland



PMF River



1% AEP Overland



1% AEP River



A scenic landscape photograph of a calm lake. The lake is surrounded by a dense line of green trees in the background. In the foreground, there are large, light-colored rocks on both sides, with several tall, slender trees growing from them. The sky is a vibrant blue, filled with soft, white clouds. The water of the lake is still, reflecting the sky and the surrounding greenery. The overall atmosphere is peaceful and natural.

Thank You

Attachment 2: Cycle Map

Westmead Alliance

Tuesday 21 July 2020

5.6 West Metro Update



Westmead Station

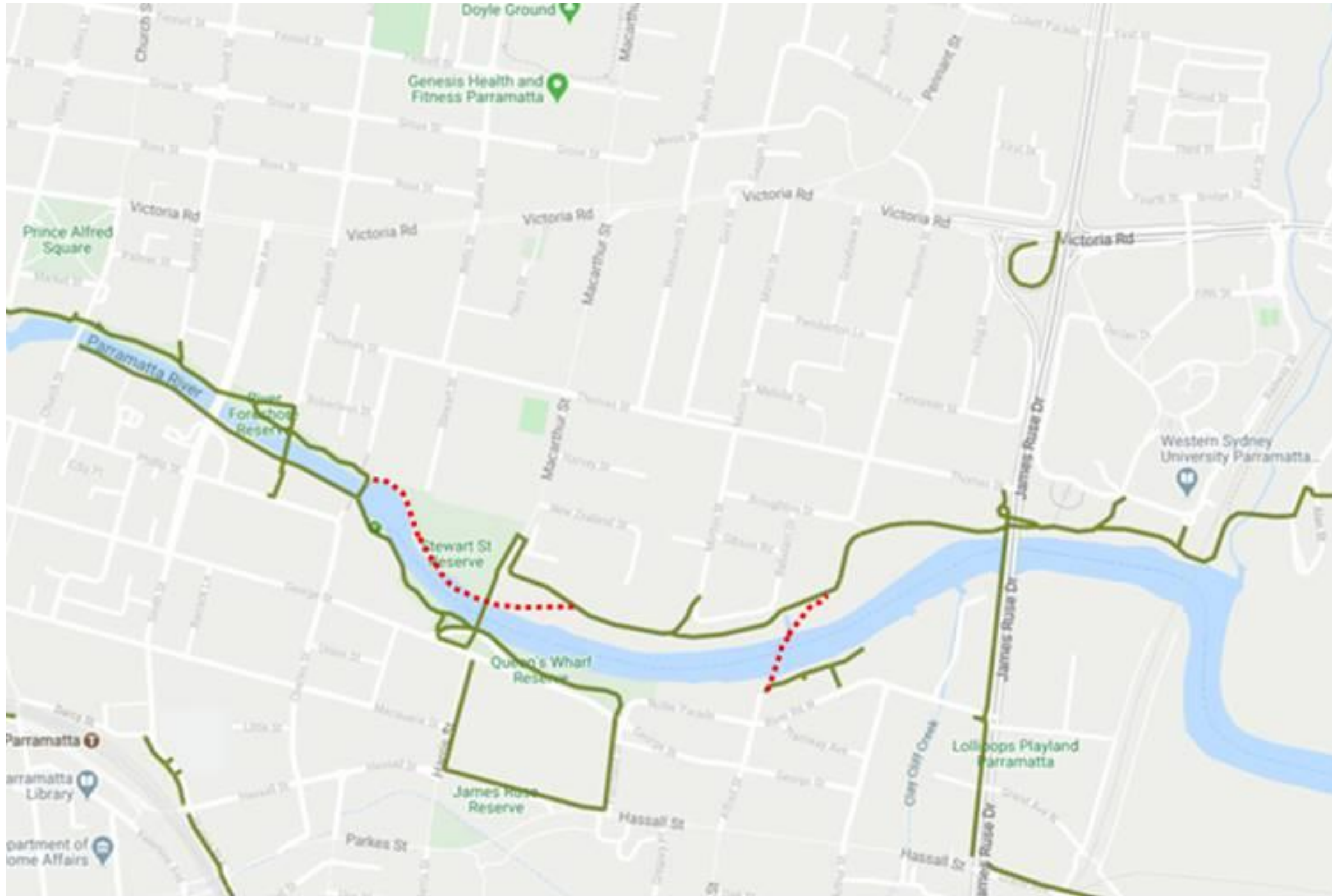


5.7 Cycleways





WESTMEAD RIVER LINKS

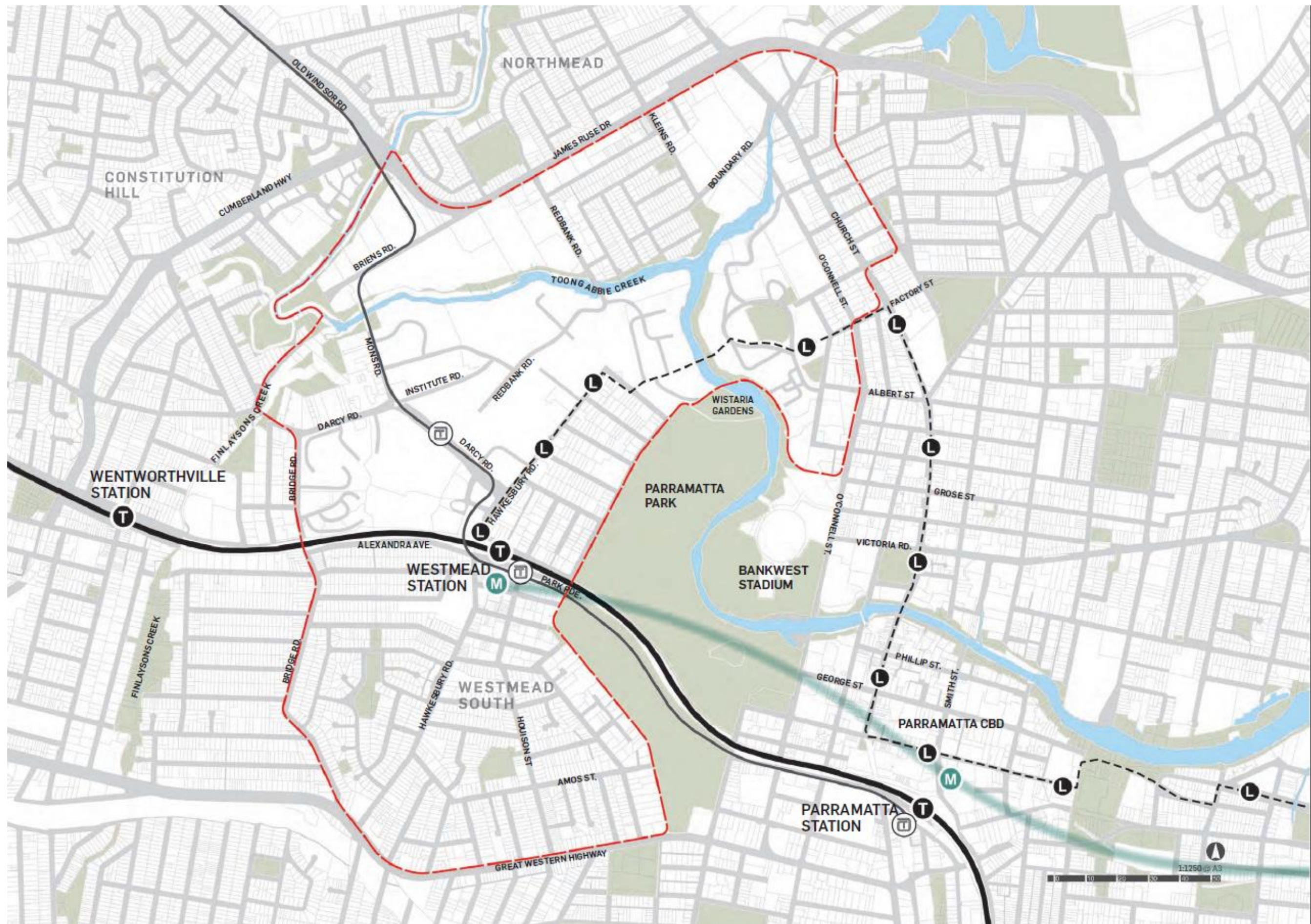




6.3

Westmead Strategic Plan





Meeting Minutes

The Children's Hospital Westmead Stage 2 – Health Infrastructure / Parramatta Council Meeting

Meeting No.: 04

Date/Time: 1 February 2021

Start: 11:30am

End: 12:30 pm

Venue: Video Conference

Attendance

Name		Organisation	Role
Caleb Teh	CT	Health Infrastructure	Project Director
Jim Tsom	JT	City of Parramatta Council	Catchment Development
Paul Clarke	PC	City of Parramatta Council	Catchment Development
Brian Hetherington	BH	Arup	Civil Engineer
Terrence Tang	TT	Arup	Civil Engineer
Nathan Cheah	NC	Arup	Civil Engineer
Hanan Hussaini	HH	PwC	Project Manager
Mary Sakr	MS	PwC	Project Manager

Item	Topic - Actions	Action	By
1.0	Apologies and Introductions		
1.1	Apologies and introductions noted.	Note	-
1.2	PwC noted the purpose of the session is to review the stormwater and flood mapping for the Westmead Health Precinct , prior to the EIS submission for the Paediatric Services Building (PSB) and Multi Storey Car Park (MSCP) as previously requested by CoPC.	Note	-
2.0	Flood and Stormwater Strategy		
2.1	Arup presented the stormwater and flood strategy for the PSB and MSCP (Attachment 1).	Note	-
2.2	Arup confirmed that the PSB and MSCP are proposed to be connected to private stormwater lines to eliminate the impact on the CoPC assets.	Note	-
2.3	CoPC noted that the overland flow-path will impact the existing CHW fire egress pedestrian pathway and recommended the review of the velocity and depth in that location.	Note	-
2.4	Arup noted the stormwater strategy includes direct connections into the existing stormwater network to discharge flow before river peak. Arup noted that the current site conditions are marginally impacted and therefore there is no requirement for an OSD tank. CoPC was generally in support, although queried the regulation of water quality. Arup to investigate as design progresses.	Note	-
3.0	Other Items		
3.1	Nil to report.	Note	-
4.0	Next Meeting		
4.1	To be confirmed.	Note	-

Attachments:

- **Attachment 1: Presentation**

Attachment 1: Presentation

CHW Stage 2 - Stormwater and Flood Risk Management

Agenda:

1. Children's Hospital Stage 2 Redevelopment overview and site appreciation
2. Outline the work that has been done since
3. Existing flood/stormwater conditions
4. Paediatric Services Building (PSB) Schematic Design
 - Proposed design
 - Development flood/stormwater assessment
 - Summary and next steps
5. Multistorey Car Park (MSCP) Schematic Design
 - Proposed design
 - Development flood/stormwater assessment
 - Summary and next steps

CHW Stage 2 – Stormwater and Flood Risk Management



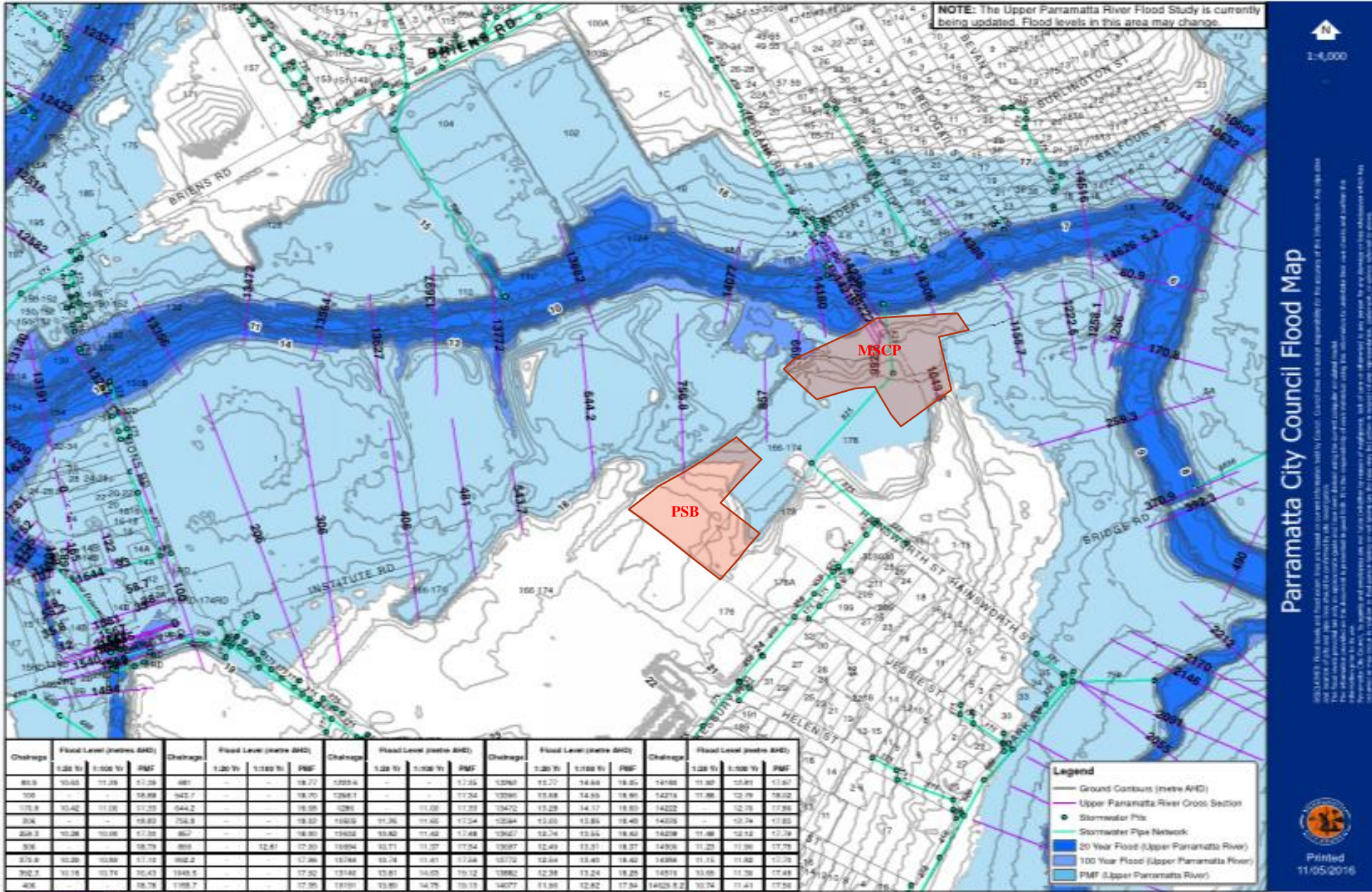
CHW Stage 2 – Stormwater and Flood Risk Management



Work Done:

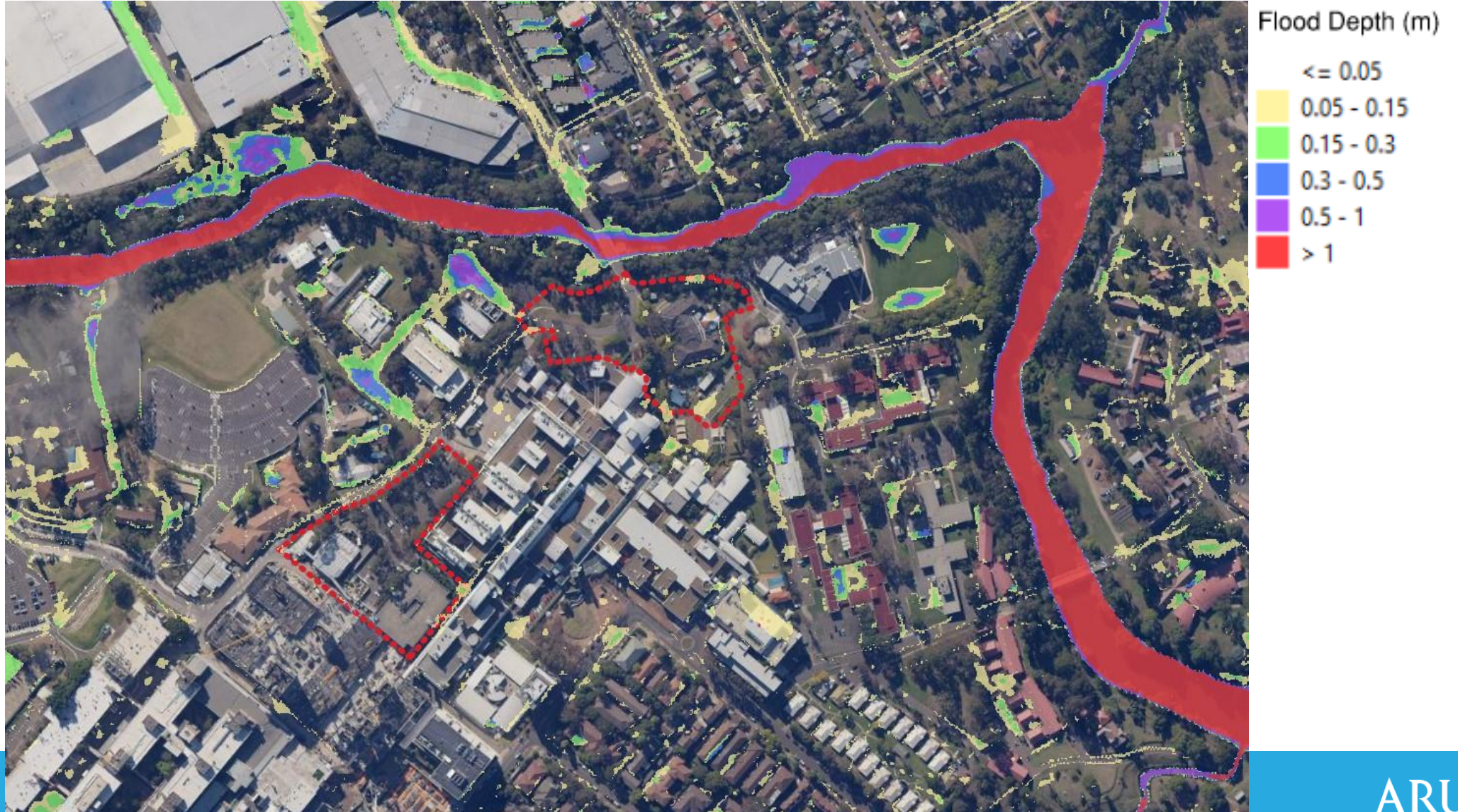
- CASB Arup flood model (2017) (purple)
- PLR flood model (2019) (blue)
- PSB and MSCP site survey information (green)
- Arup combined the above information and created combined river and overland models

CHW Stage 2 – Stormwater and Flood Risk Management



CHW Stage 2 – Stormwater and Flood Risk Management

Existing conditions - 1% AEP Overland



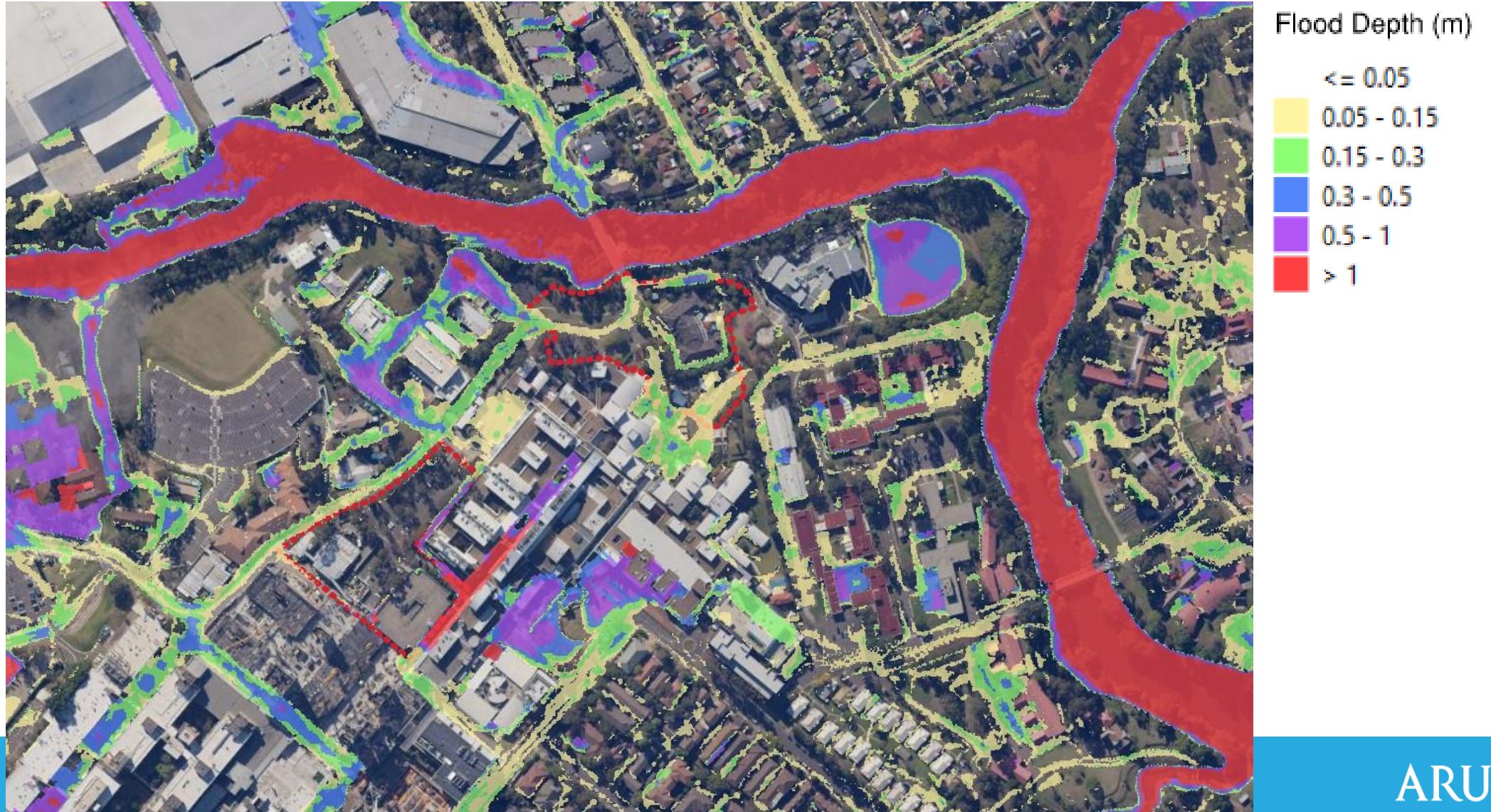
CHW Stage 2 – Stormwater and Flood Risk Management

Existing conditions - 1% AEP River



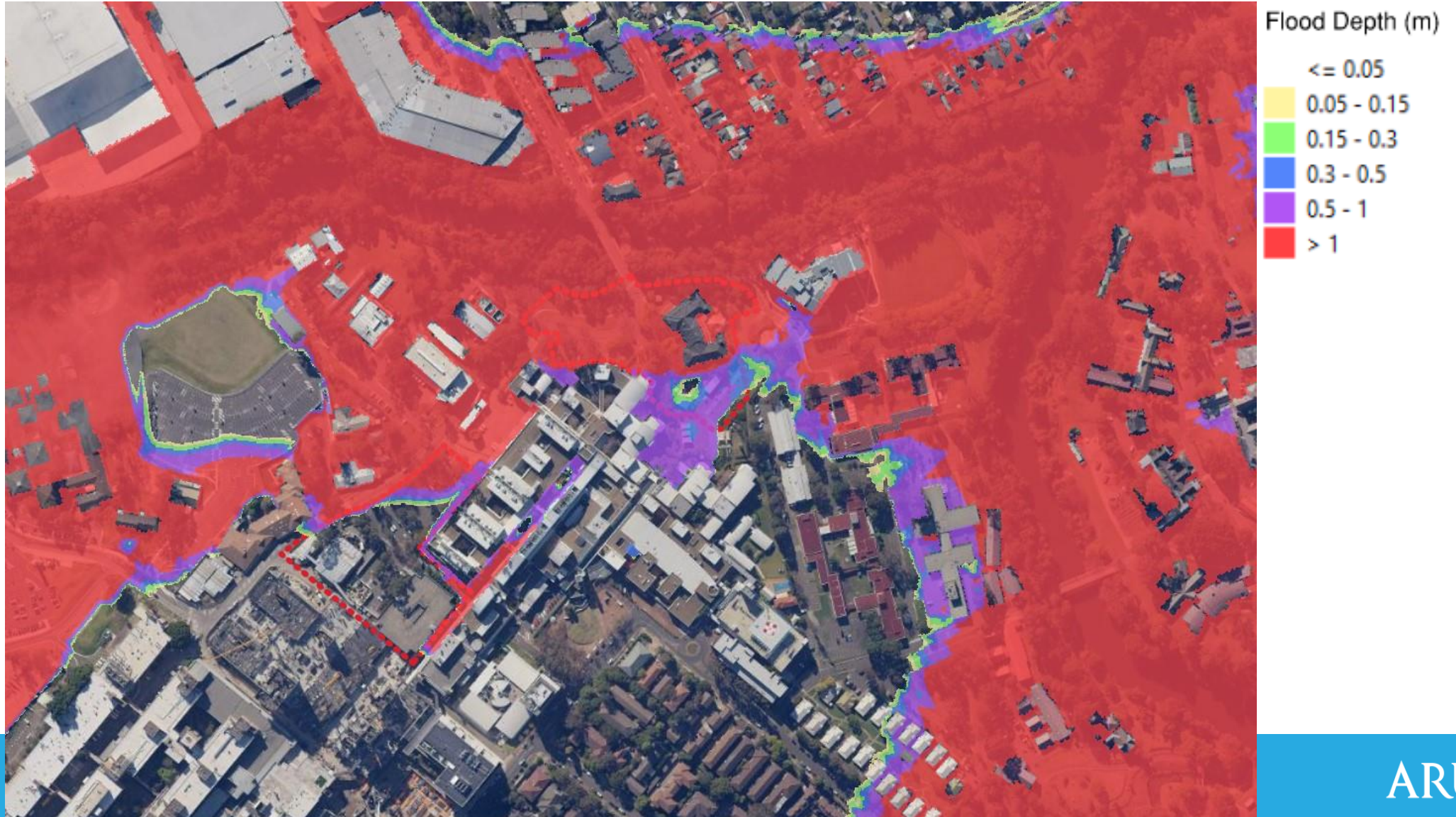
CHW Stage 2 – Stormwater and Flood Risk Management

Existing conditions – PMF Overland (30 mins)



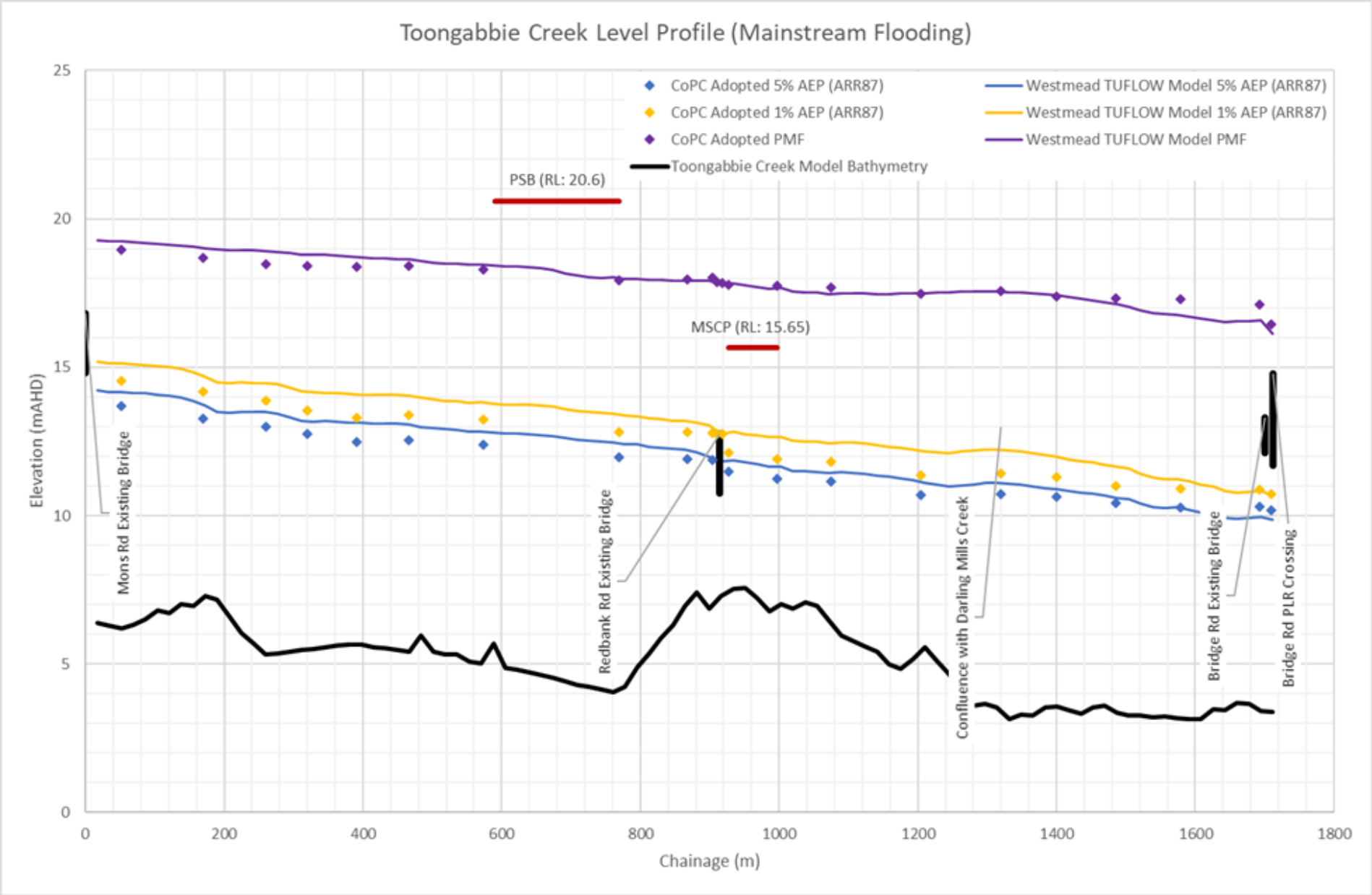
CHW Stage 2 – Stormwater and Flood Risk Management

Existing conditions – PMF River (3 hours)



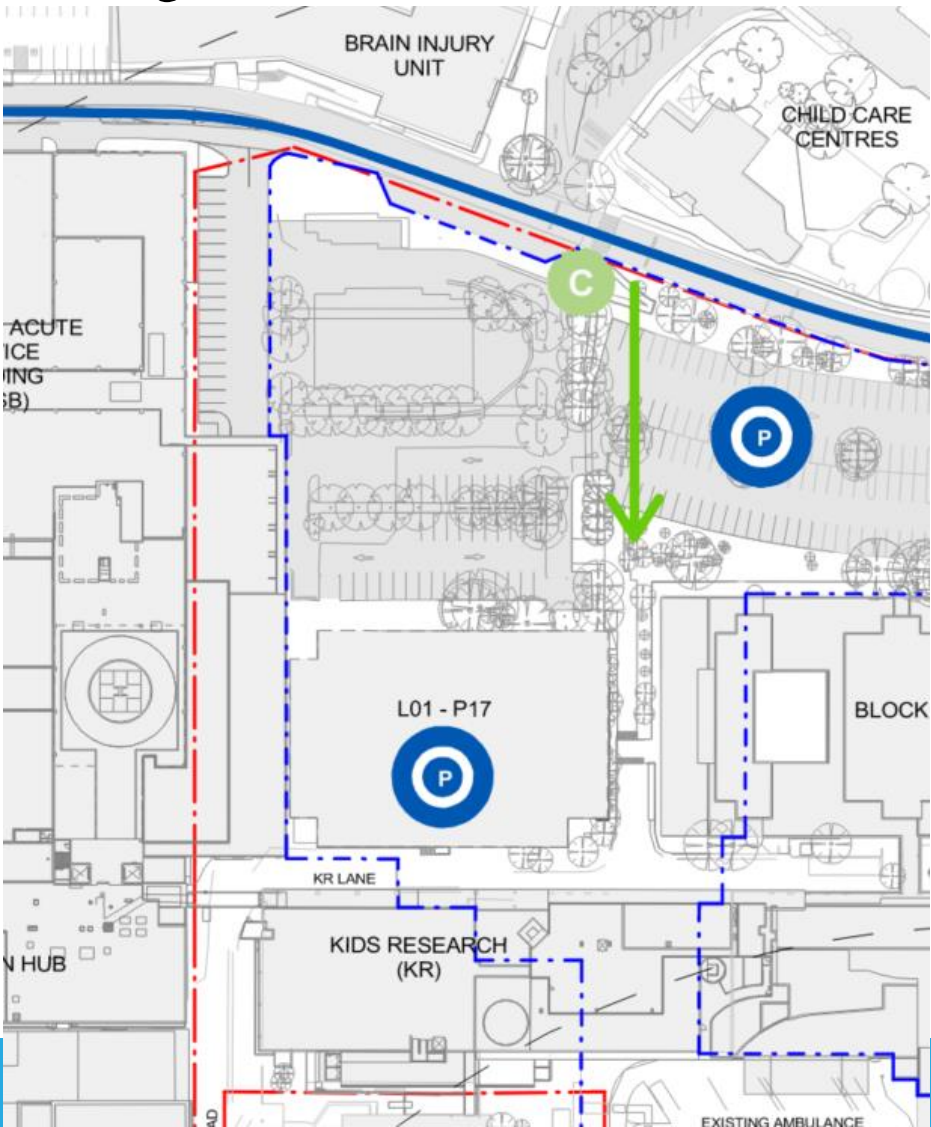
CHW Stage 2 – Stormwater and Flood Risk Management

Calibration

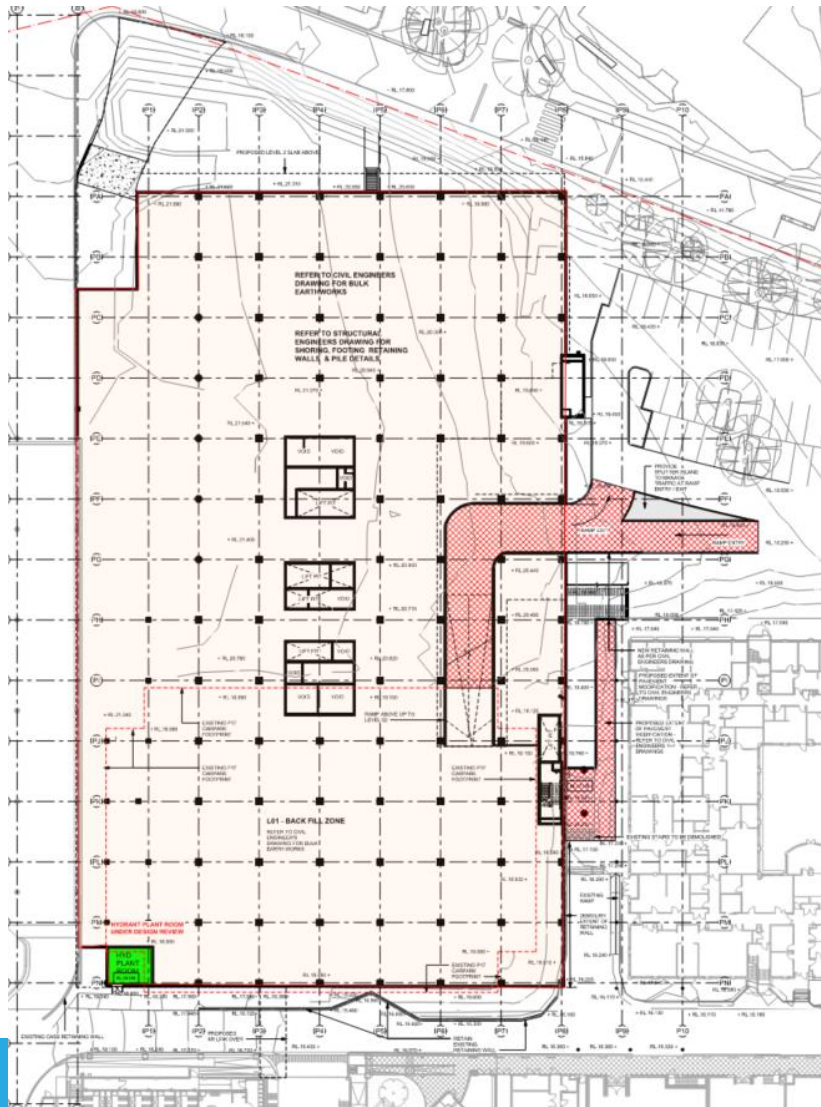


PSB – Stormwater and Flood Risk Management

Existing Site

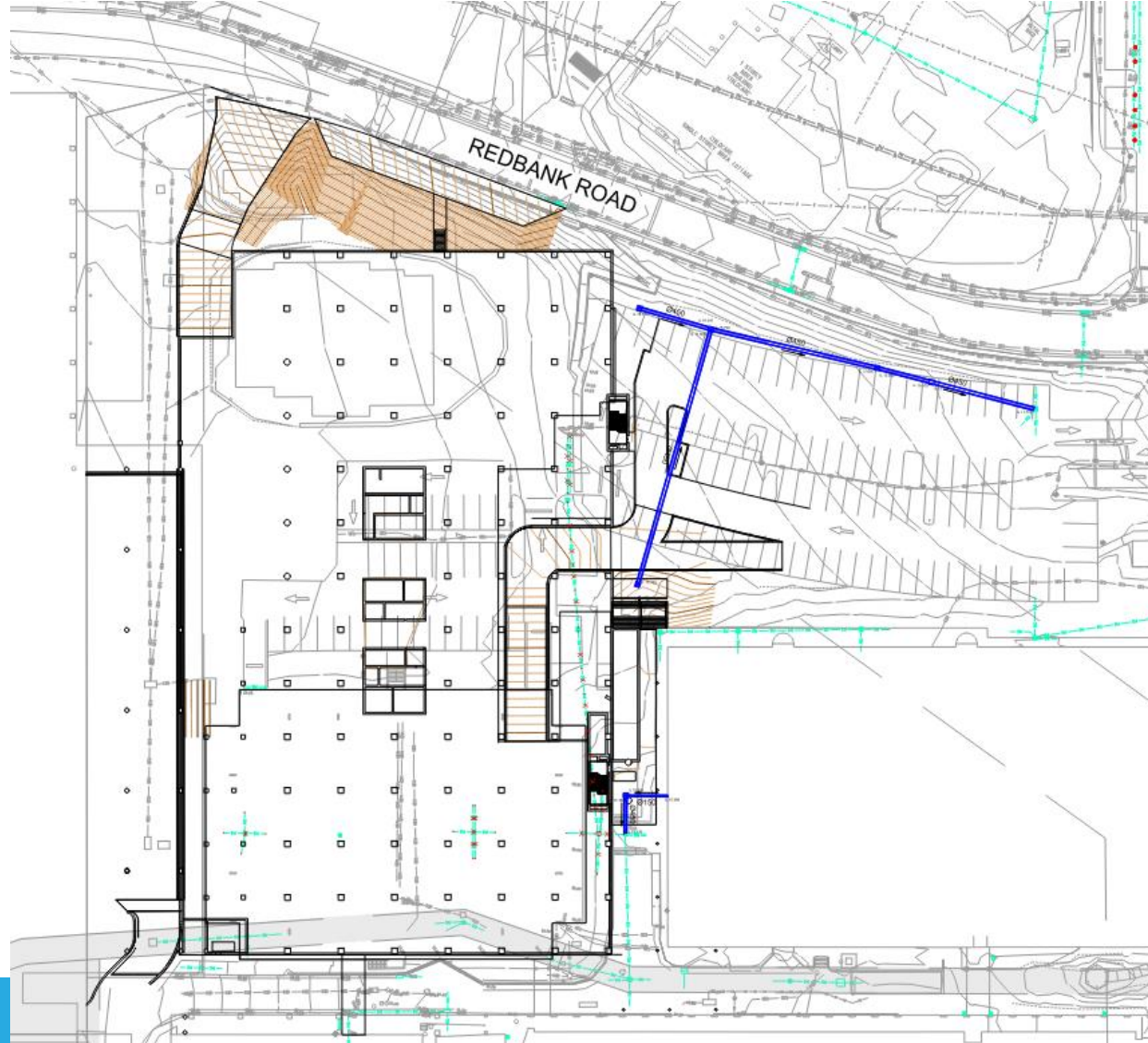


Proposed Architectural Design



PSB – Stormwater and Flood Risk Management

Proposed Stormwater Strategy



PSB – Stormwater and Flood Risk Management

Proposed design flood results – 1% AEP Overland



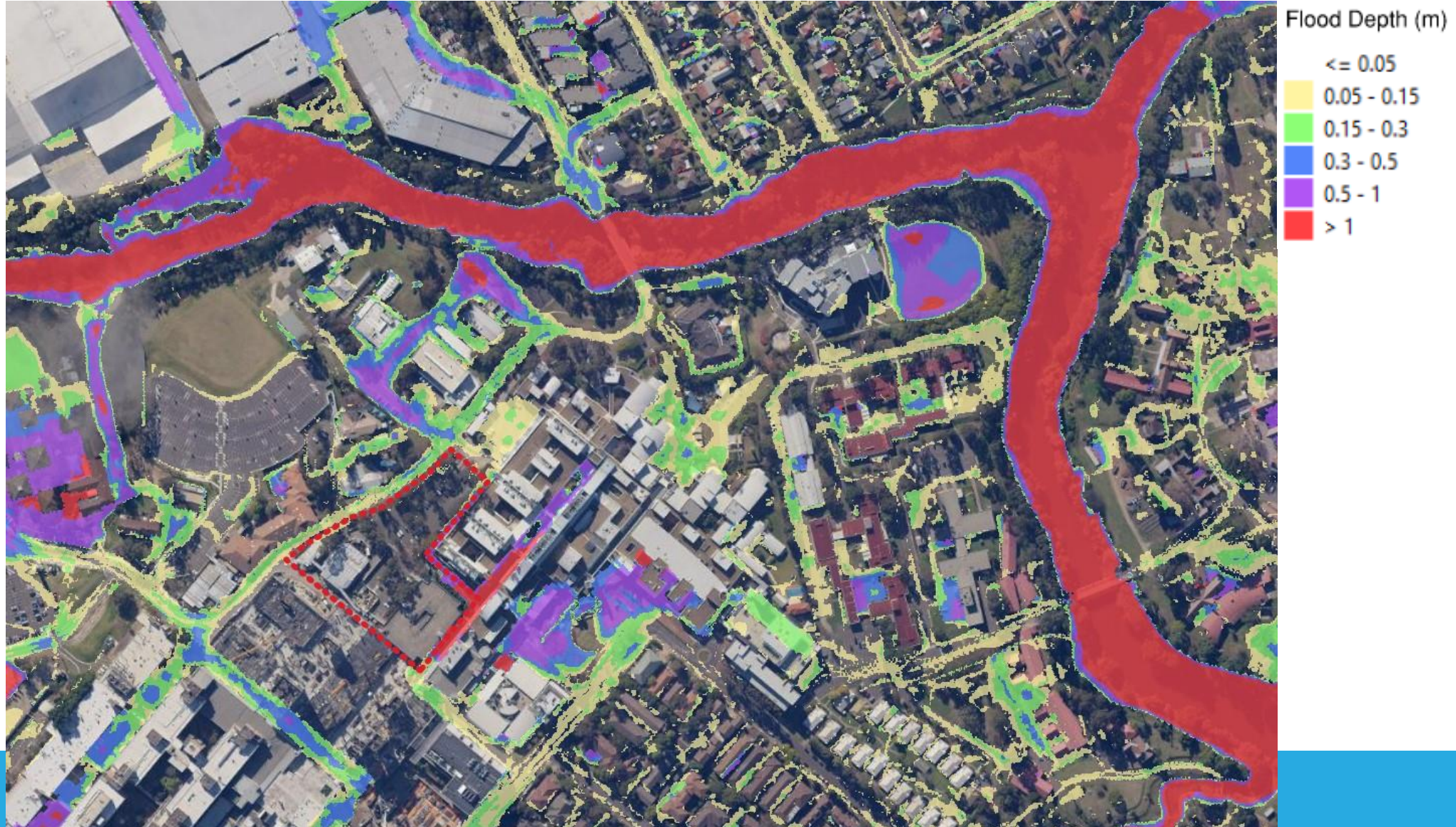
PSB – Stormwater and Flood Risk Management

Proposed design flood results – 1% AEP River



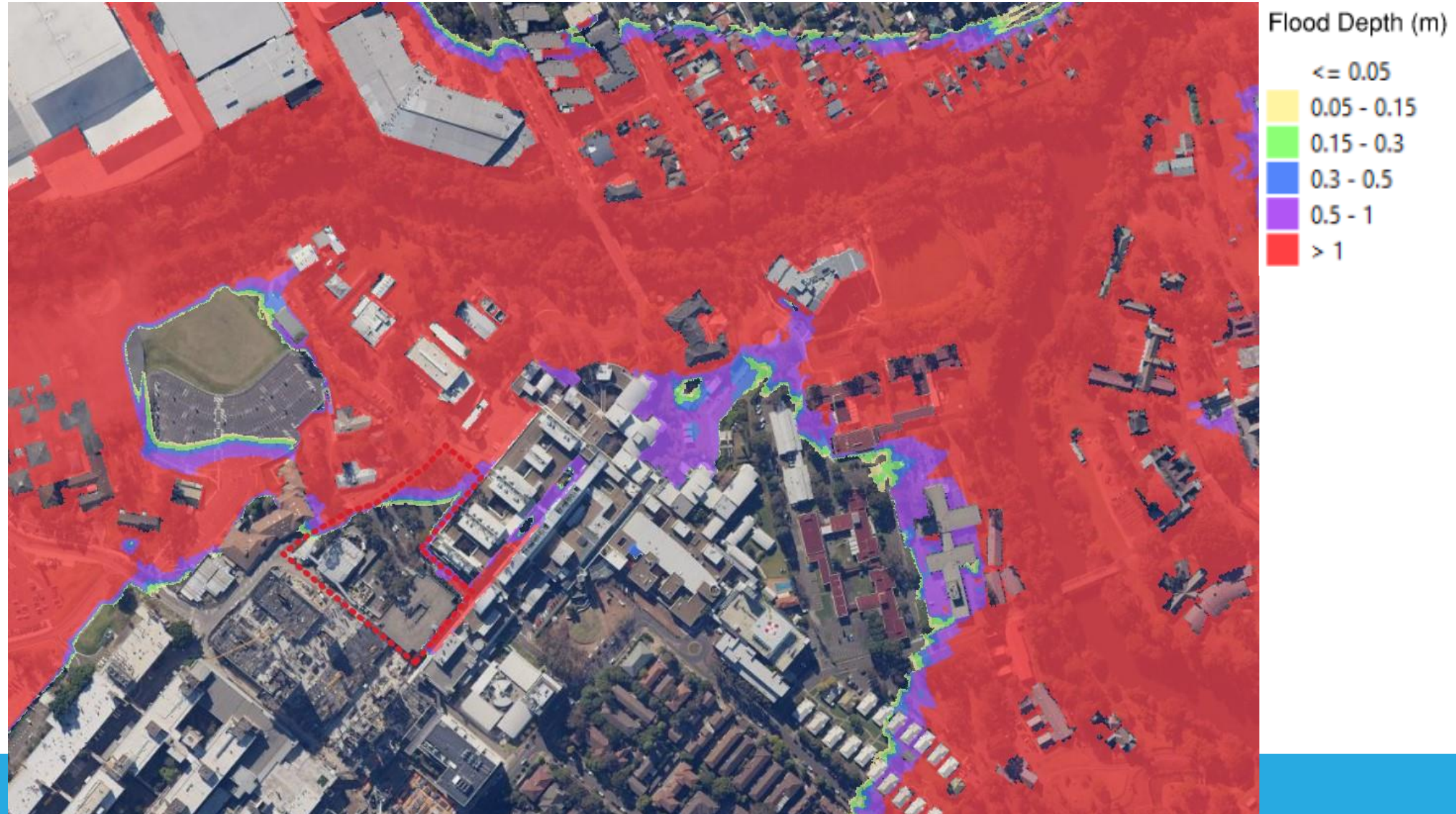
PSB – Stormwater and Flood Risk Management

Proposed design flood results – PMF Overland



PSB – Stormwater and Flood Risk Management

Proposed design flood results – PMF River



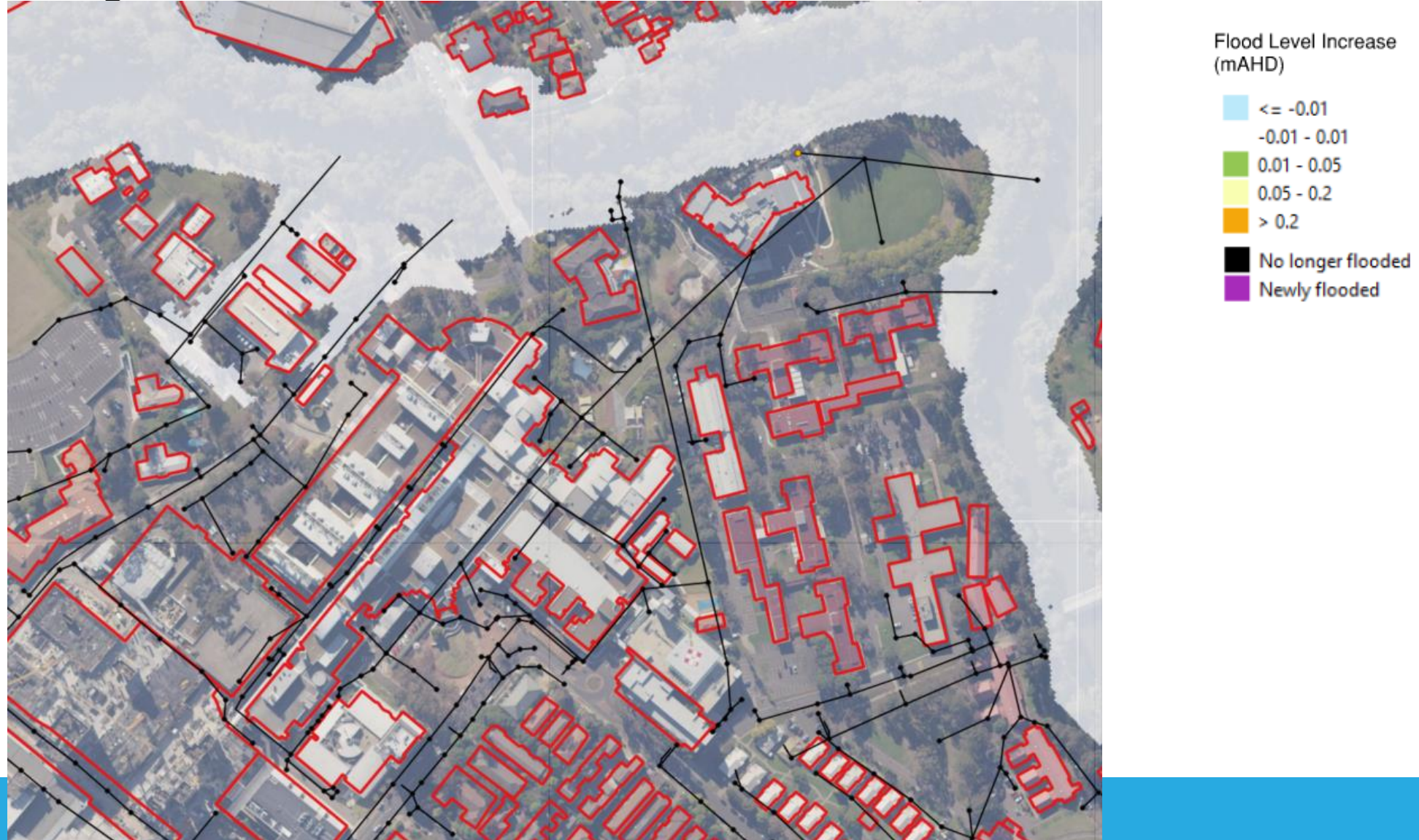
PSB – Stormwater and Flood Risk Management

Proposed design flood results - 1% AEP Afflux Overland



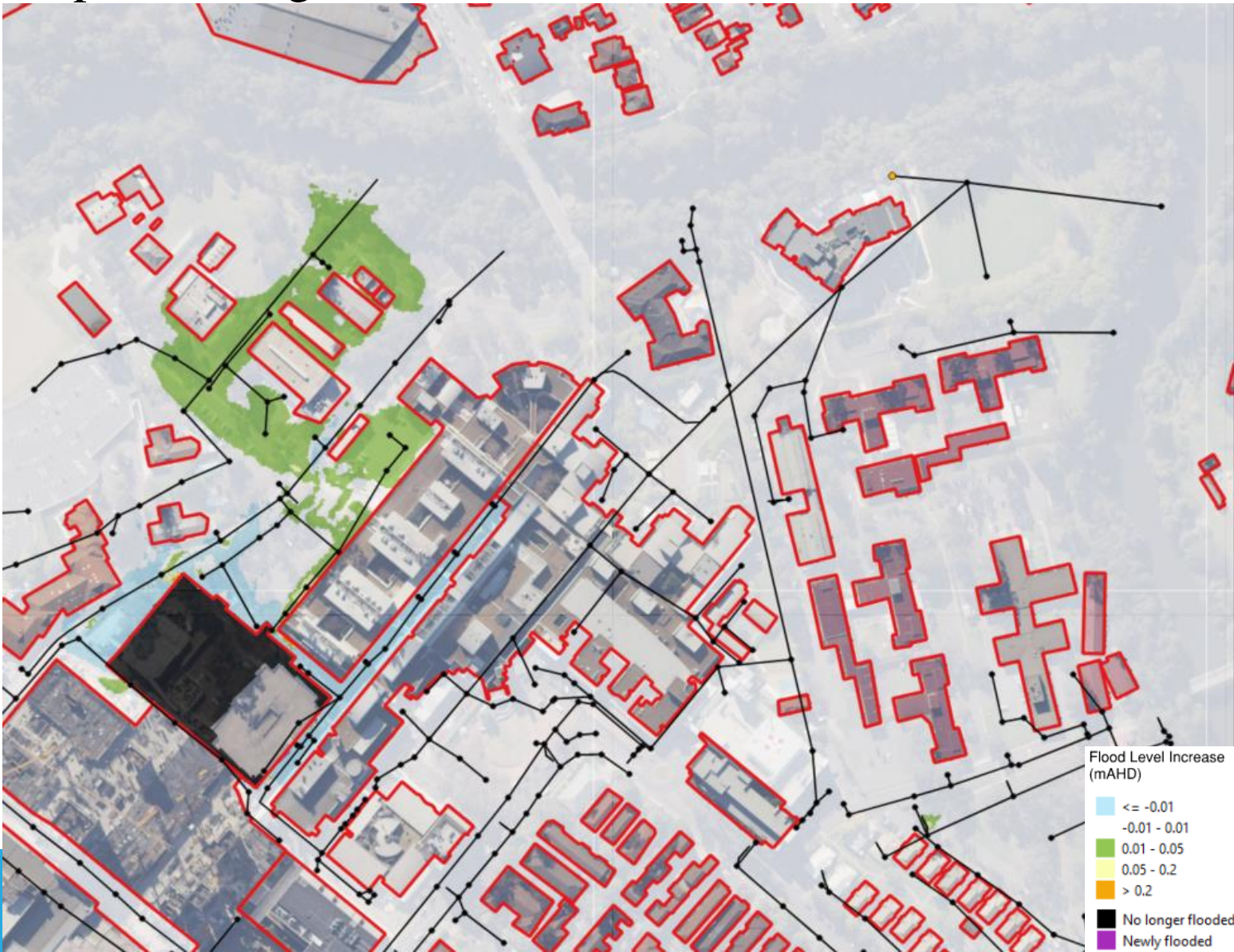
PSB – Stormwater and Flood Risk Management

Proposed design flood results – 1% AEP Afflux River

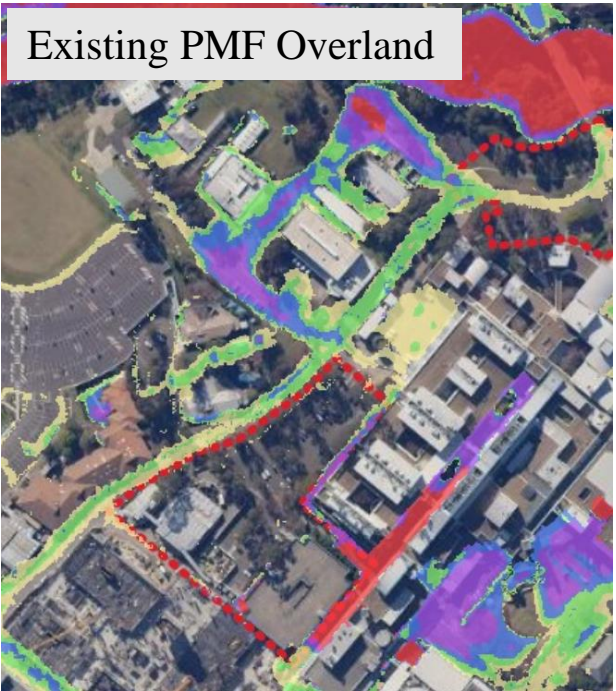


PSB – Stormwater and Flood Risk Management

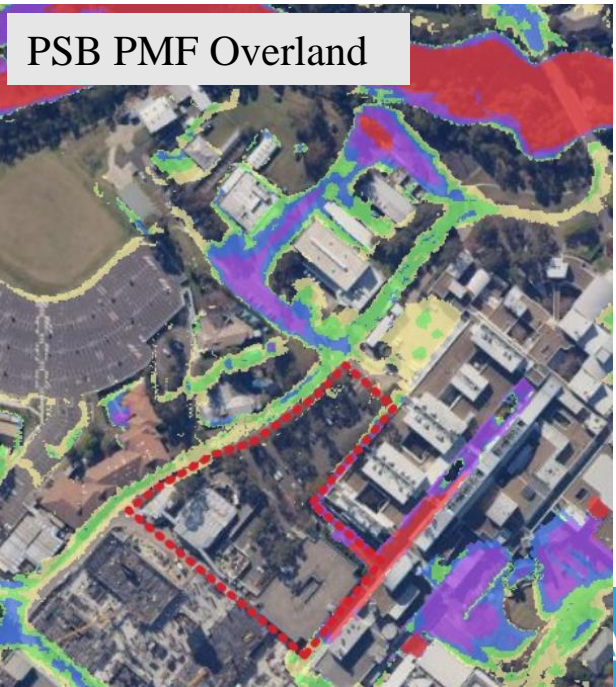
Proposed design flood results - PMF Afflux Overland



Existing PMF Overland



PSB PMF Overland

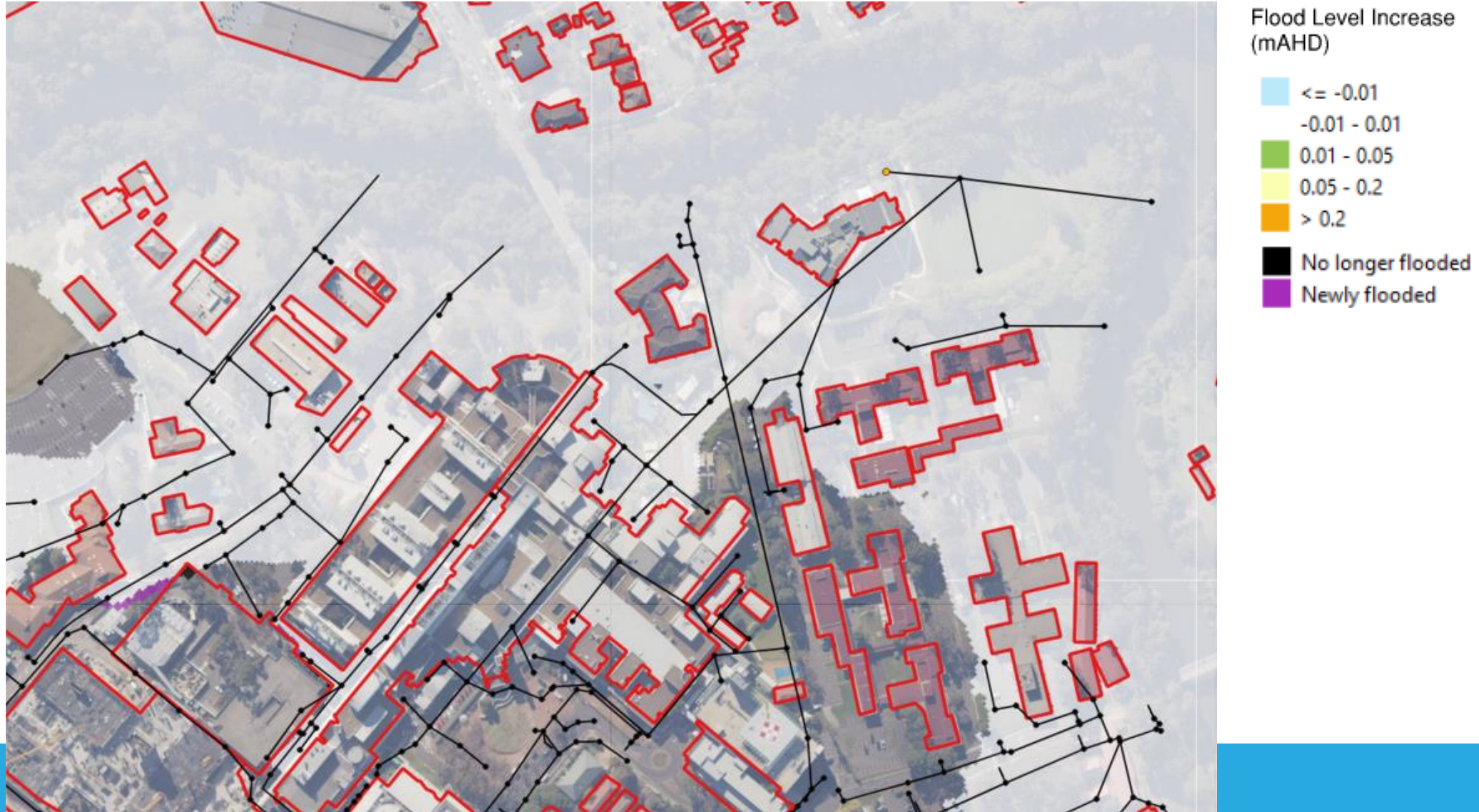


Flood Depth (m)

- ≤ 0.05
- $0.05 - 0.15$
- $0.15 - 0.3$
- $0.3 - 0.5$
- $0.5 - 1$
- > 1

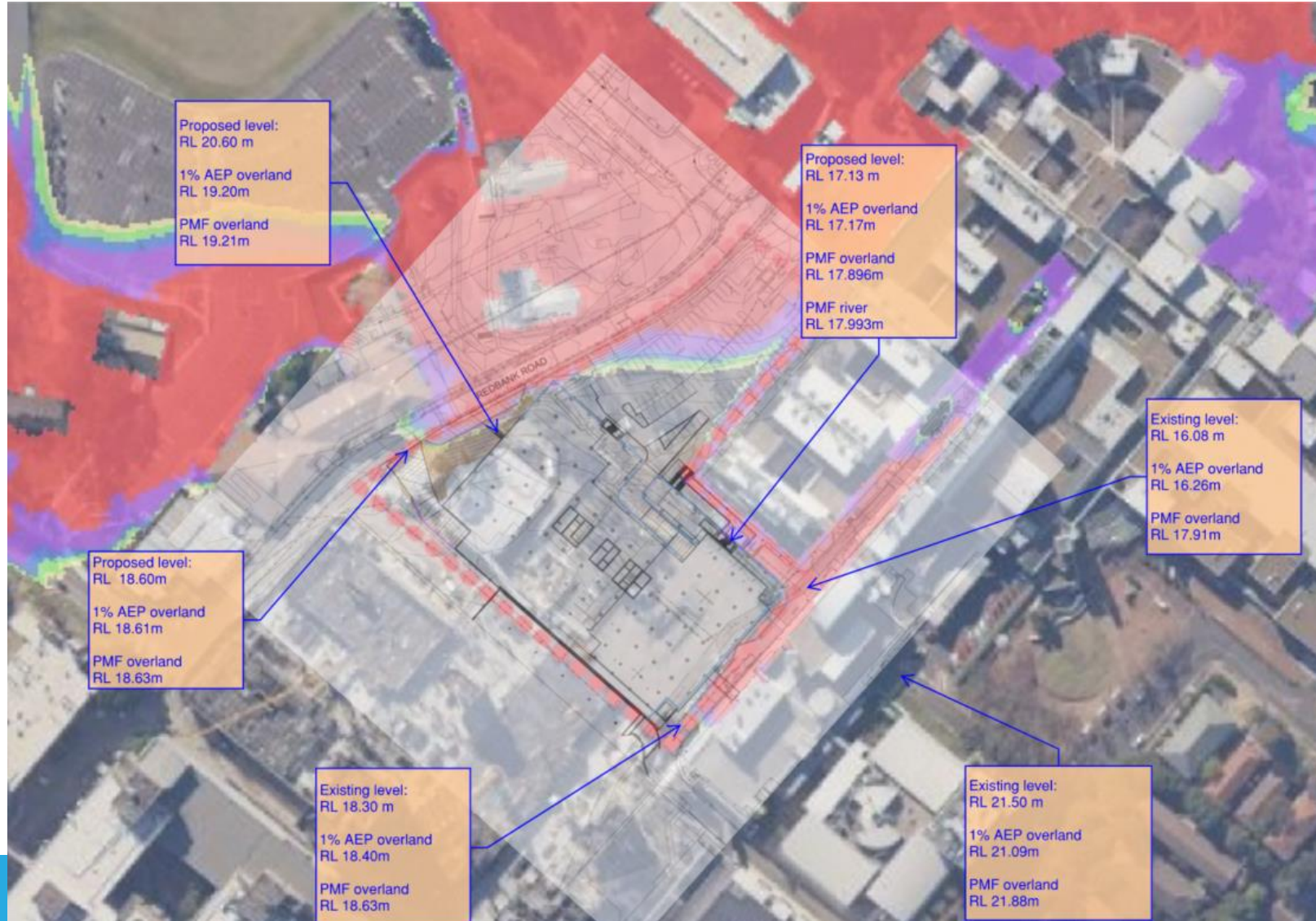
PSB – Stormwater and Flood Risk Management

Proposed design flood results – PMF Afflux River



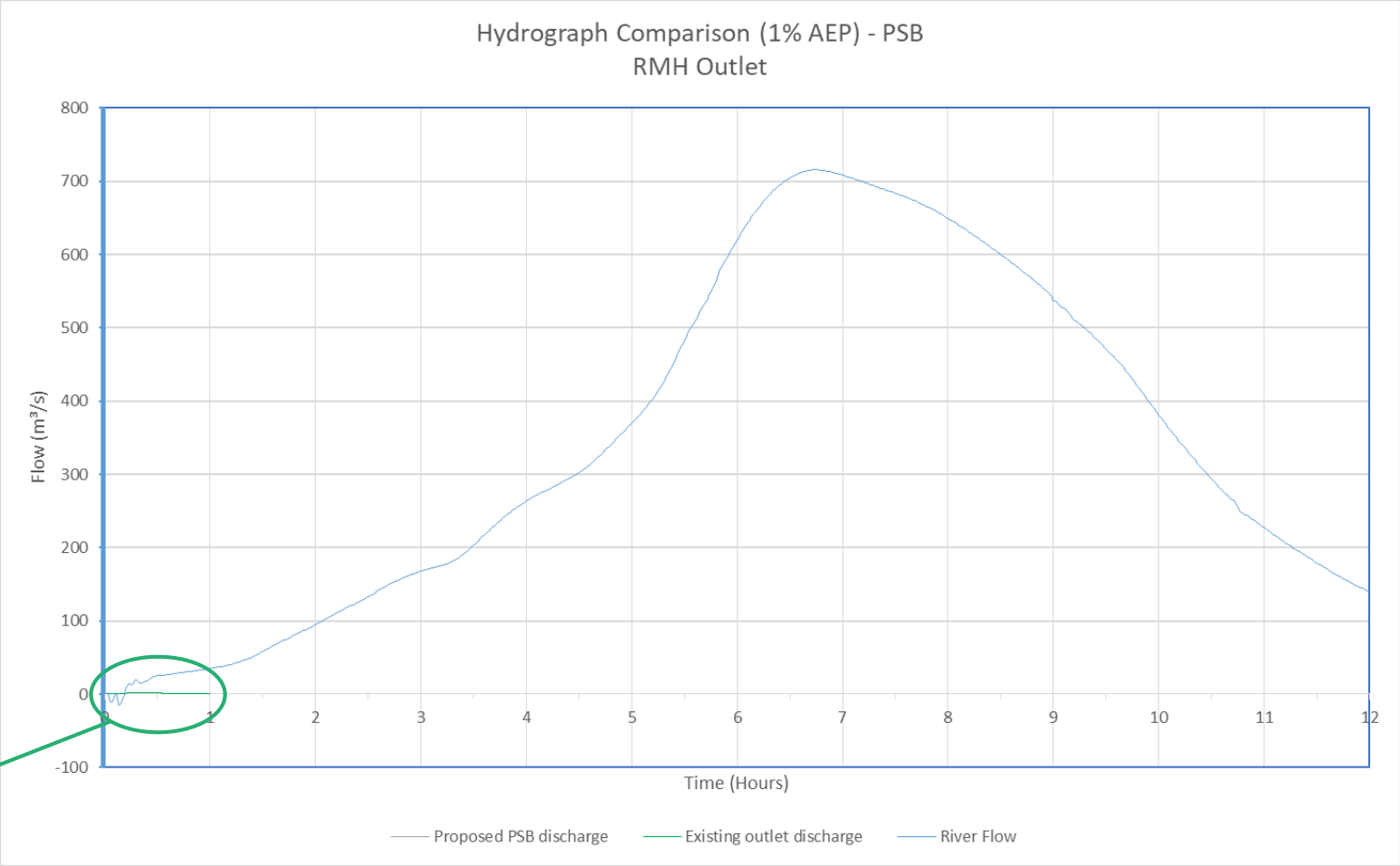
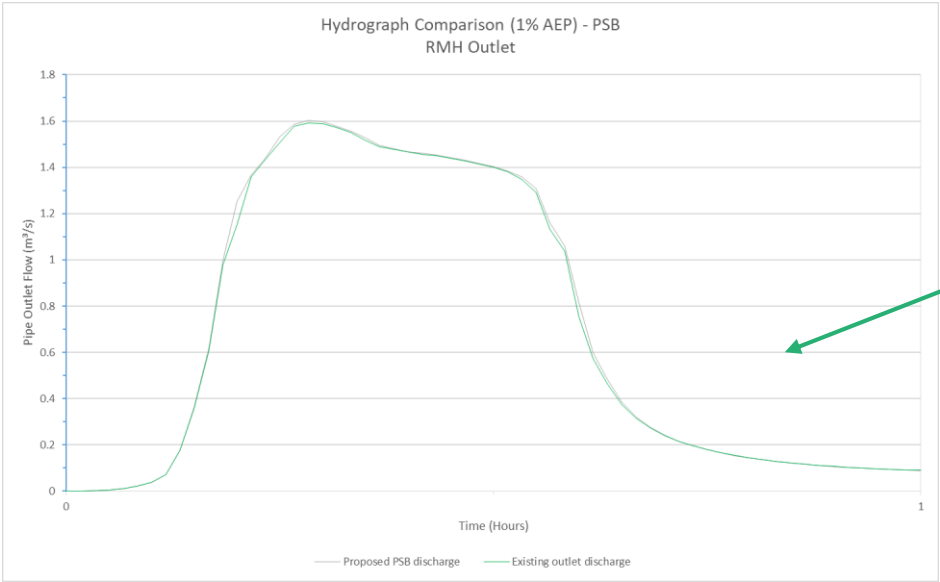
PSB – Stormwater and Flood Risk Management

Proposed flood levels and building thresholds



PSB – Stormwater and Flood Risk Management

Downstream outlet assessment



PSB – Stormwater and Flood Risk Management

PSB summary:

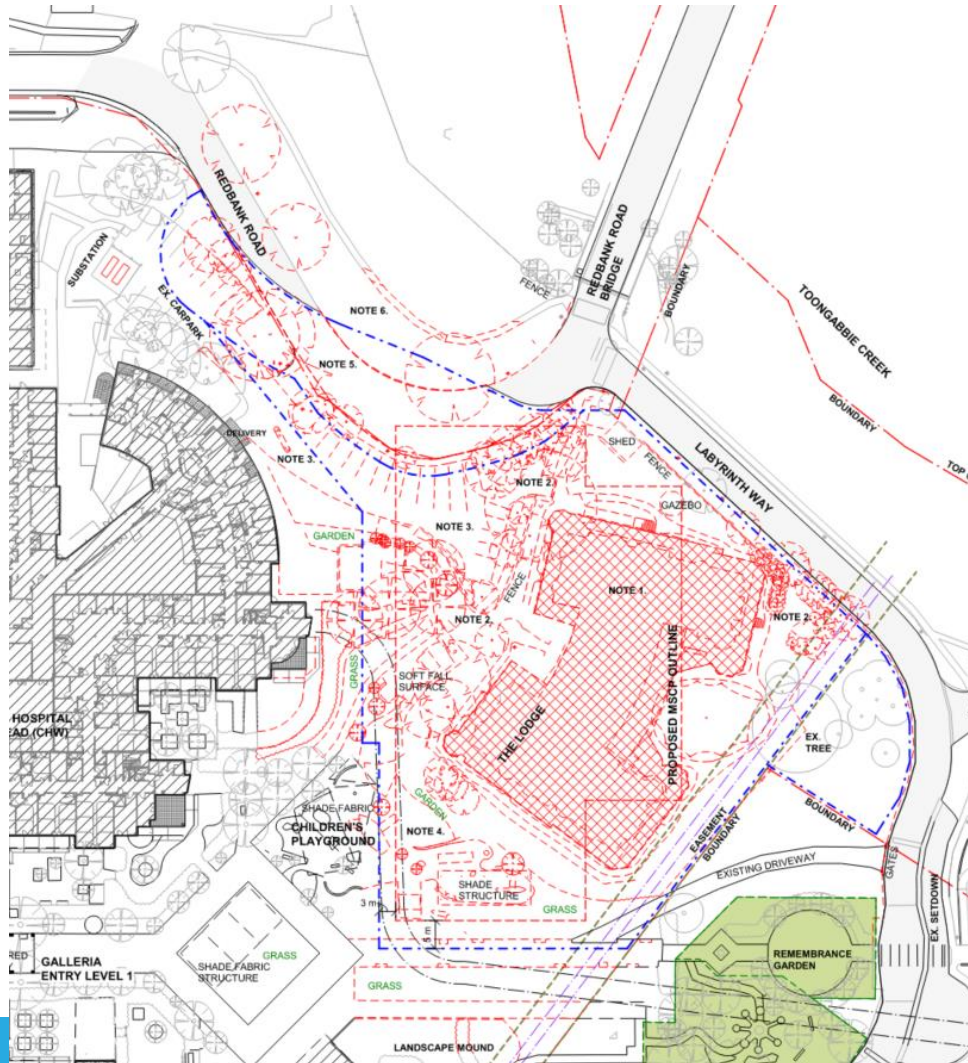
- Direct stormwater connections into the existing stormwater network to discharge flows before river peak.
- Generally no significant flood impacts nearby areas.

Next steps:

- Existing CHW forecourt modelled, but further design development required for proposed CHW forecourt and PSB entryway threshold.

MSCP – Stormwater and Flood Risk Management

Existing Site

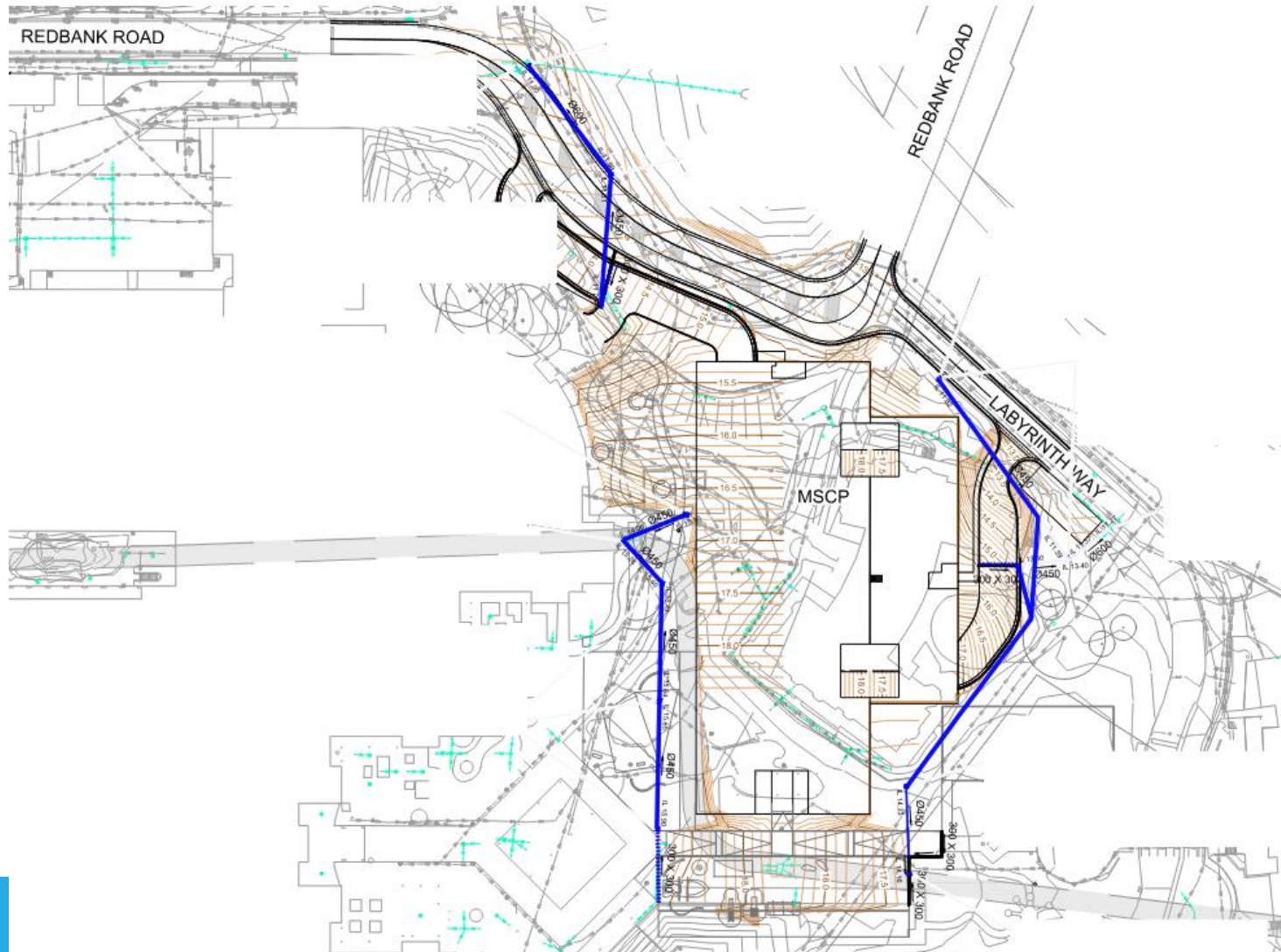


Proposed design



MSCP – Stormwater and Flood Risk Management

Proposed Stormwater Strategy



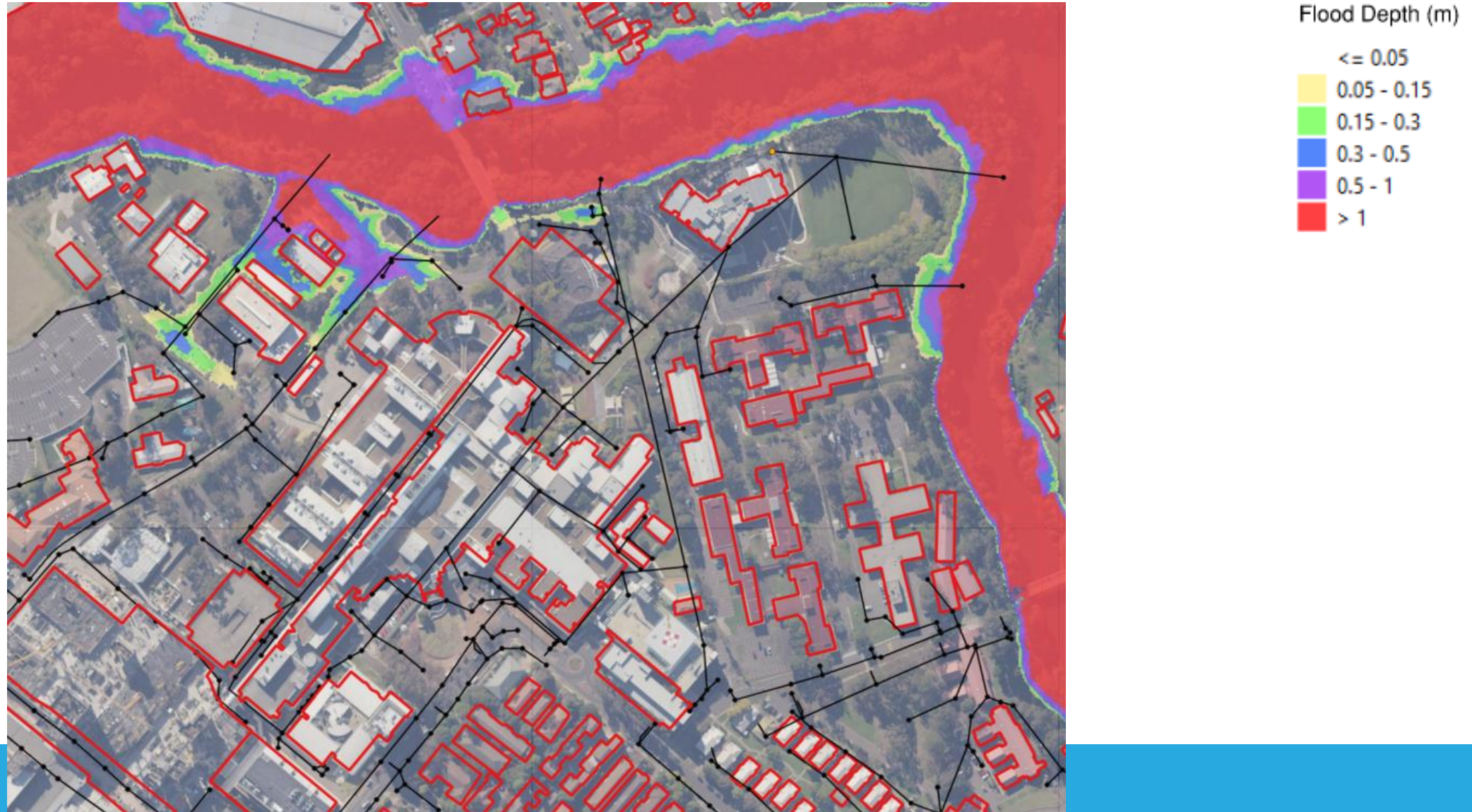
MSCP – Stormwater and Flood Risk Management

Proposed design flood results – 1% AEP Overland



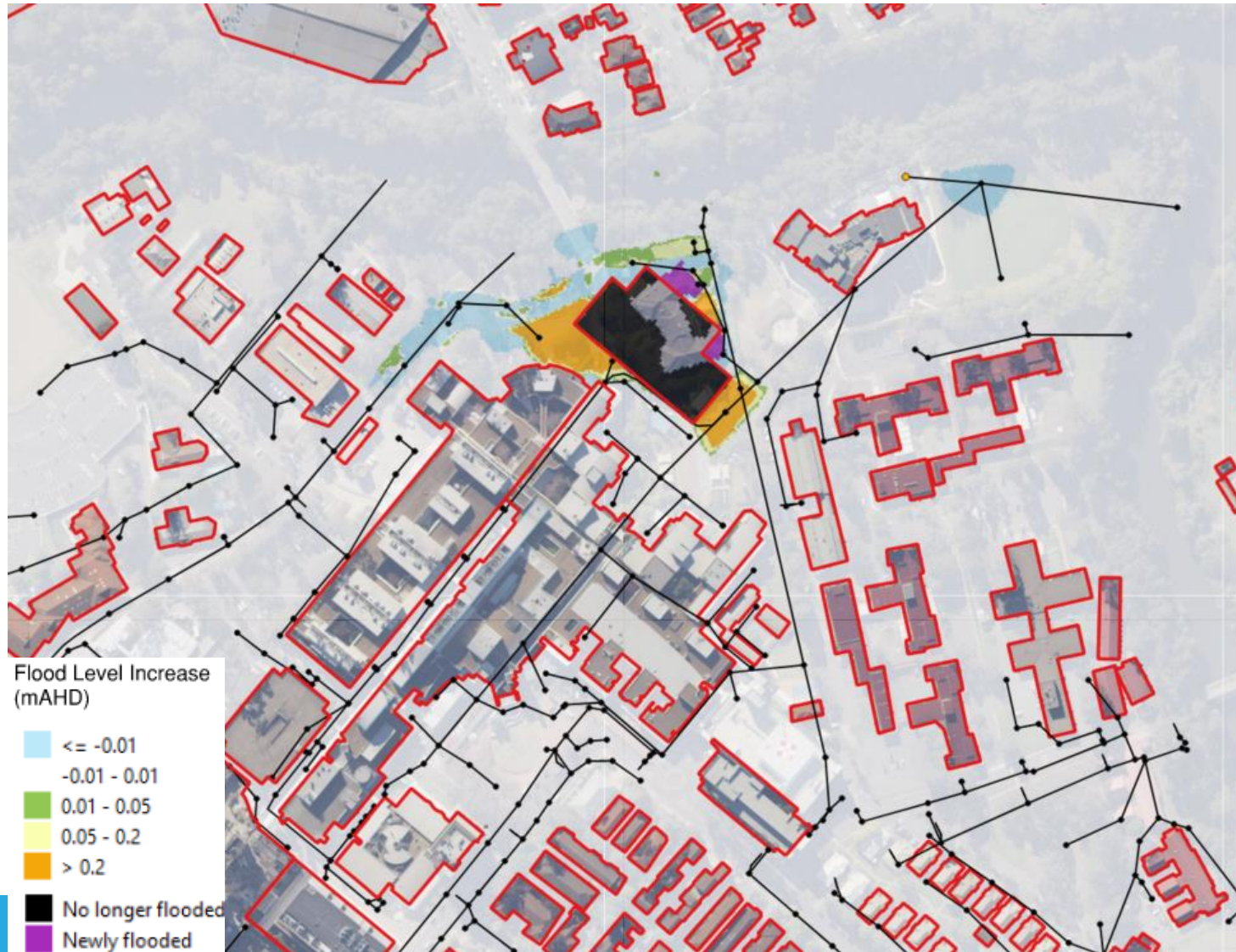
MSCP – Stormwater and Flood Risk Management

Proposed design flood results – 1% AEP River



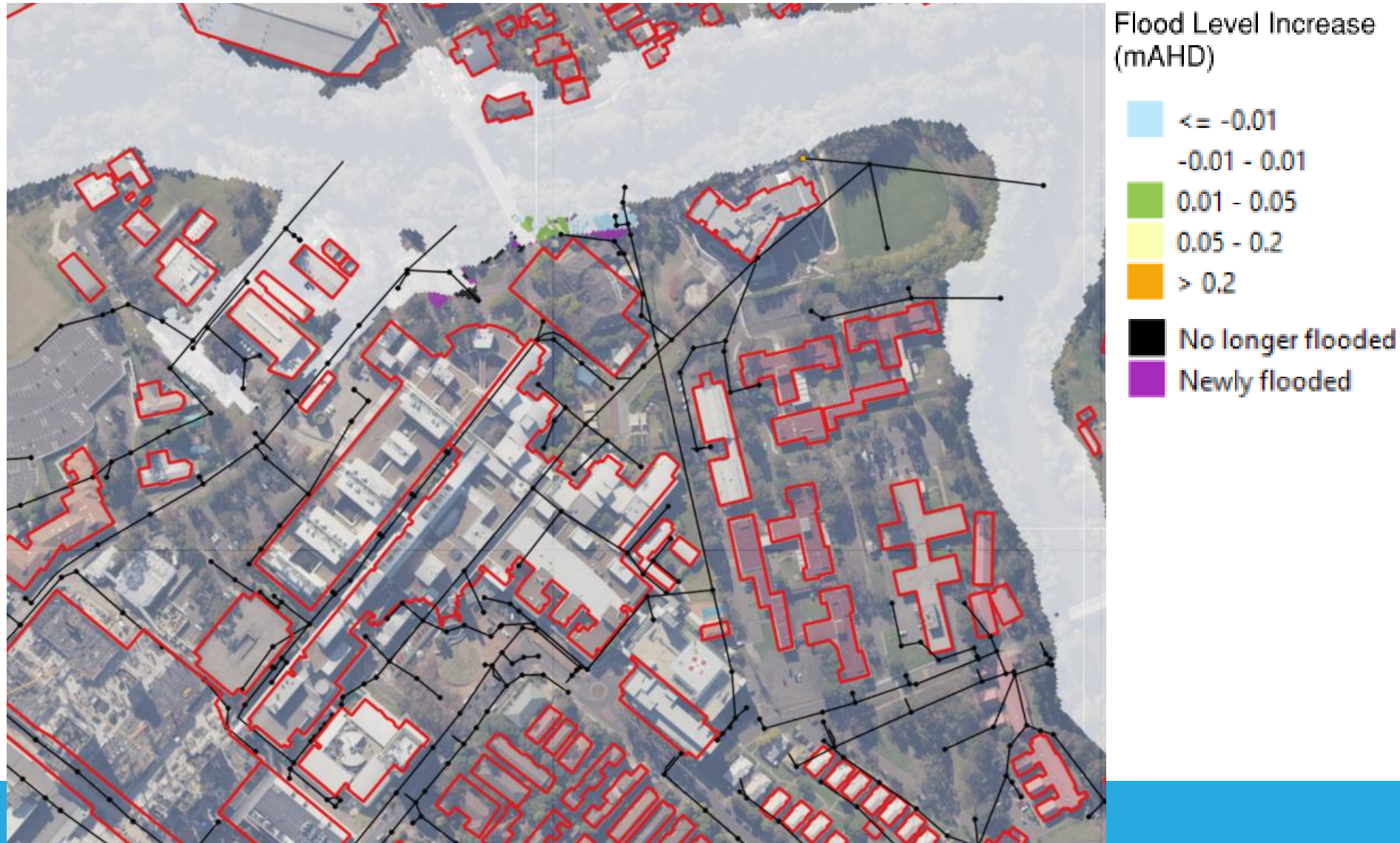
MSCP – Stormwater and Flood Risk Management

Proposed design flood results - 1% AEP Afflux Overland



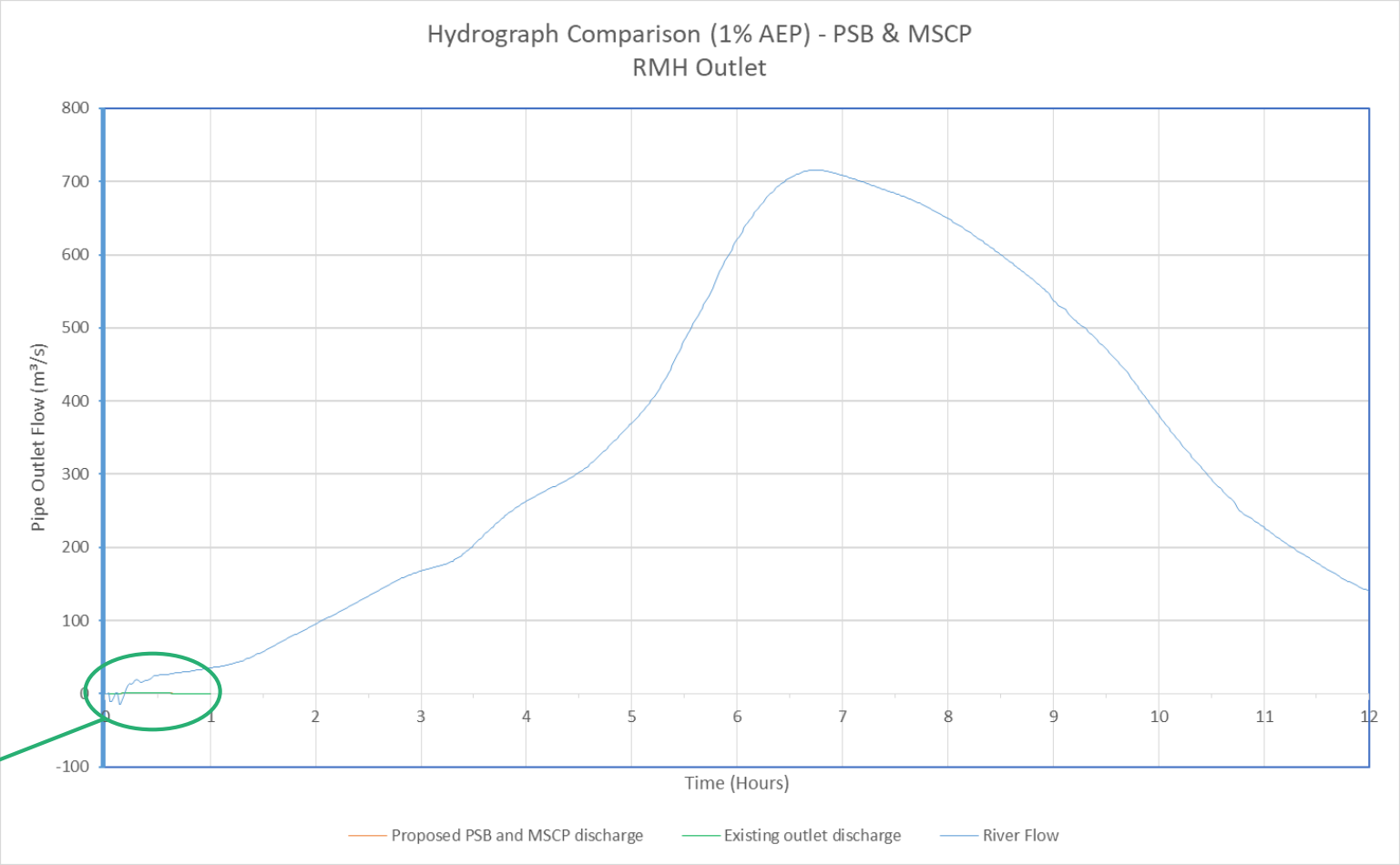
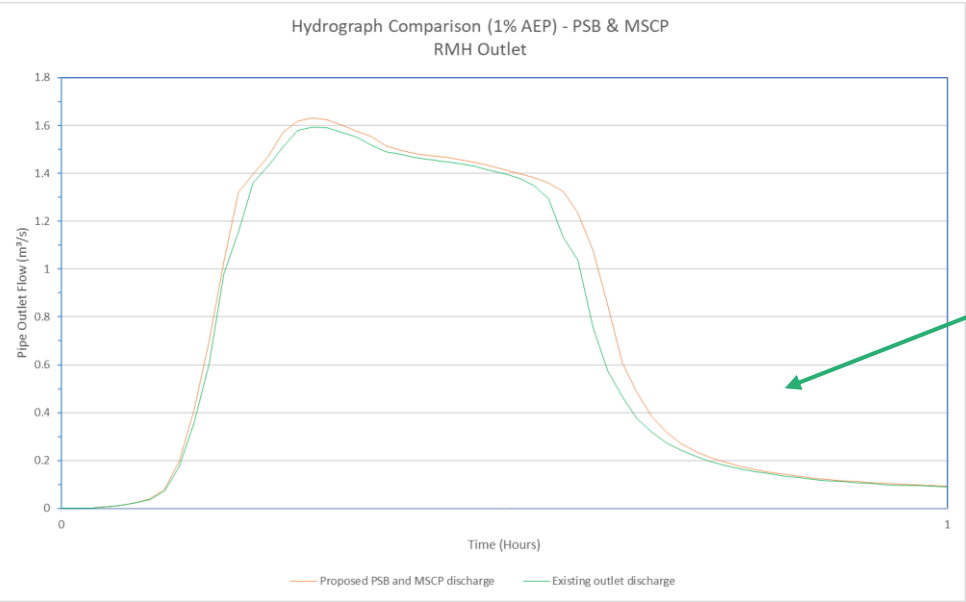
MSCP – Stormwater and Flood Risk Management

Proposed design flood results – 1% AEP Afflux River



MSCP – Stormwater and Flood Risk Management

Downstream outlet assessment



MSCP – Stormwater and Flood Risk Management

MSCP summary:

- Direct stormwater connection into the existing stormwater network to discharge flows before river peak.
- Afflux due to raising of proposed levels.

Next steps:

- Further MSCP design development to external battering and stormwater infrastructure to reduce afflux to adjacent CHW building.
- Further modelling of PMF and climate change events.