

Civic Link Block 3

Urban Design Report



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CONTENTS

1.0 INTRODUCTION	01
1.1. A CHANGING PARRAMATTA	02
1.2. THE EXISTING SITE	04
1.3. THE COMMUNITY	06
1.4. CULTURAL VALUES	07
1.5. FLOODING	08
1.6. EXISTING TREES	10
2.0 DESIGN FRAMEWORK	13
2.1. CMIC LINK MASTERPLAN	14
2.2. SYDNEY METROWEST PARRAMATTA STATION	16
2.3. PARRAMATTA POWERHOUSE PRECINCT	17
2.4. PROJECT AIMS AND OBJECTIVES	18
3.0 DESIGN PROPOSAL	21
3.1. CMIC LINK BLOCK 3	22
3.2. PHILLIP STREET EARLY WORKS	24
3.3. CMIC LINK NORTH	26
3.4. CMIC LINK SOUTH	27
3.5. THE BOULEVARD AND THE BRIDGES	28
3.6. THE RIBBON	30
3.7. SITE SECTIONS	32
3.8. MATERIALS PALETTE	34
3.9. LIGHTING + ELECTRICAL	35
3.10. THE GREEN SPINE	36
3.11. FUTURE WORKS	38
3.12. INTERPRETATION	39
4.0 CRIME PREVENTION & SAFETY IN DESIGN	40
4.1. CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN	42
5.0 CONCLUSION	44

1.0 INTRODUCTION

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INTRODUCTION

Located in the centre of Western Sydney, Parramatta is undergoing rapid growth and change. Amongst this transformation is the Civic Link, a vibrant and green pedestrian spine connecting the city centre at Parramatta Square to the Parramatta River. Anchored by large cultural attractors including Parramatta Powerhouse to the north and Phive Community Hub in the south, as well as new metro station in the centre of Civic Link, the spine will become a new address for the city, an inviting and inclusive space for community to gather and celebrate.

Civic Link Block 3 is located in Horwood Place, running north-south between Phillip Street to George Street. The design draws upon the broader history and significance of Parramatta, to produce a culturally and environmentally responsive design. With increasing urban heat and ongoing flood risks associated with this part of Parramatta's CBD, Civic Link Block 3 seek to deliver a climate-responsive design that mitigates urban heat island, responds to flood risk and create comfortable spaces for community.

Together with Block 1: Parramatta Square, Block 2: Sydney Metrowest and Block 4: Parramatta Powerhouse, Civic Link Block 3 will form an ambitious city spine that prioritises pedestrian and cyclist movements through the centre of the city. A generous pedestrian boulevard is created with cycle connections and green space offering residents and visitors to Parramatta unique places to meet, pause and celebrate within the City.

Council and the project design teams vision for Civic Link Block 3 has been developed in response to a number of strategic studies and statutory plans including:

- Civic Link Framework Plan, 2017
- Parramatta CBD Public Domain Plan, 2017
- Parramatta City DCP

Project Team:

The project team for Civic Link Block 3: Design Consultancy is comprised of the following:

- City of Parramatta - Infrastructure Planning and Design Team
- McGregor Coxall - Lead consultant, Landscape architect and Environmental designer
- Extent Heritage - Heritage and Archaeology Consultants
- Arcadis - Engineering
- Vallabh Bailey Consulting - Accessibility Consultant
- Minale - Wayfinding and Signage
- Elke Haege Thorvaldson - Arborist
- Waterwise Consulting - Irrigation Design



1.1. A CHANGING PARRAMATTA

A renewed interest in Parramatta has been stimulated by an influx of investment within the City. Large scale transport project such as Parramatta Light Rail and the future metro delivered as part of Sydney Metro West, together with existing heavy rail, ferry and bus services make Parramatta more accessible than ever. The Parramatta Powerhouse, currently under construction on the bank of the Parramatta River along with other cultural destinations such as the redevelopment of the Riverside Theatres and the newly completed Phive community hub validate the level of interest and confidence in Parramatta as the central hub for Western Sydney.

New private development has seen the Parramatta skyline continue to grow with many companies choosing to relocate here and residents to move into the city, enjoying the ease of access and convenience of services and shopping located here.

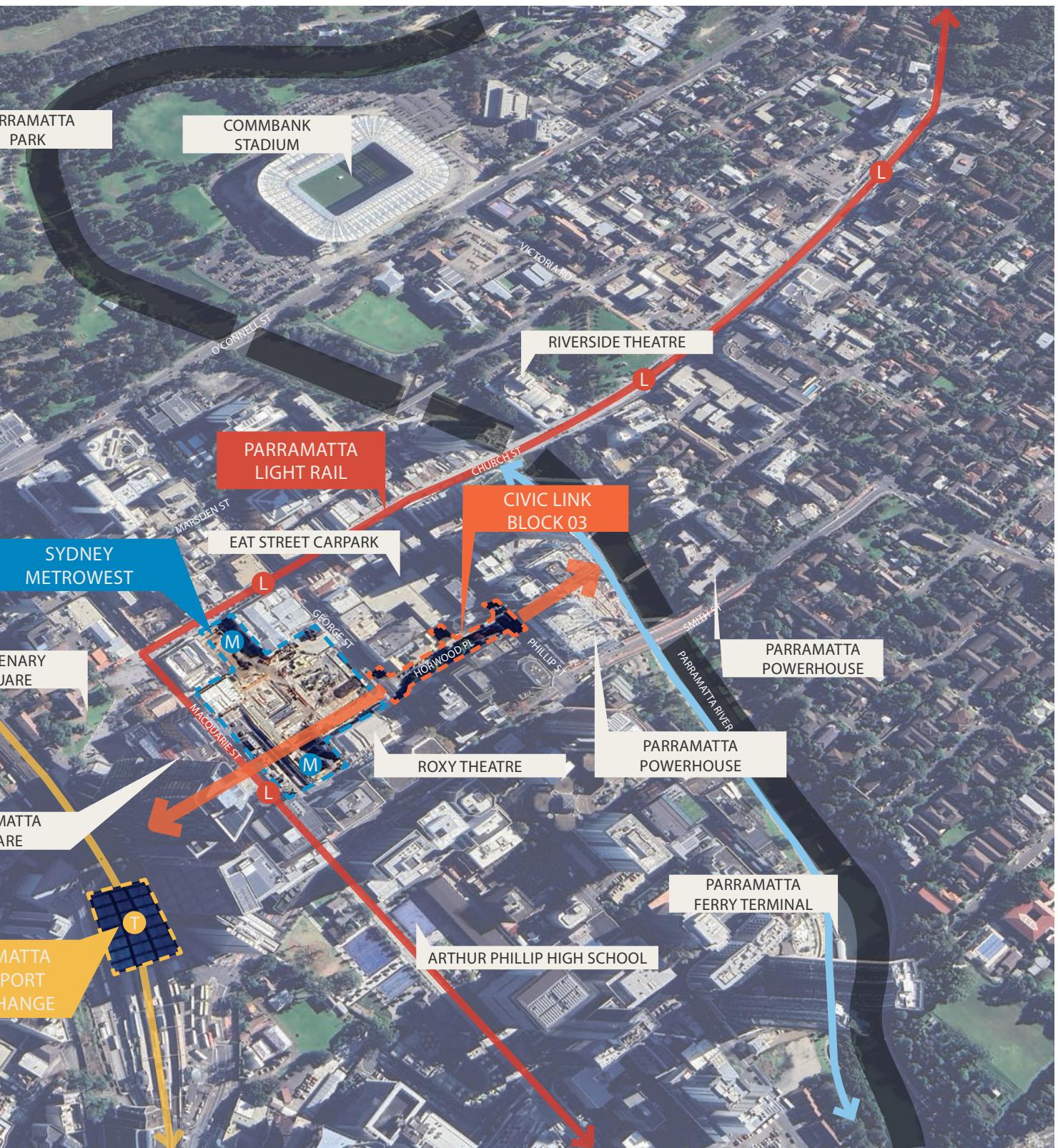
Council, in partnership with the NSW Government, is working to transform the heart of Parramatta with the Civic Link project. Civic Link project will change the urban structure of the City, carving a strong north-south axis from city centre to the Parramatta River. This will be the piece of the puzzle connecting Parramatta Square's railway and light rail, the future Sydney Metrowest, and the Powerhouse Parramatta Museum at the river's edge.

The project will prioritise people over cars with dedicated space reserved for pedestrian and cycle movement through a connected series of inviting urban spaces that are inclusive, promote social interaction, and form a new public address for the city.

Bounded by Phillip Street to the north and George Street to the south, Civic Link Block 3 will connect the anchor destinations of Sydney Metrowest in Block 2 and Parramatta Powerhouse within Block 4. It will be a place that invites local residents and visitors to connect, gather, shop and dine.



Figure 1. - Study Area Map



1.2. THE EXISTING SITE

The scope for Civic Link Block 3 consists of Horwood Place, a concrete dual carriage way with parallel parking to both sides and pedestrian footpaths. To the centre of the site, Horwood Place intersects with Auctioneer Lane, providing access to the multi-level Eat Street Carpark located here. A line of mature London Plane trees and a Liquidambar stand along the eastern footpath, minor tree plantings also exists on the corner of Auctioneer Lane.

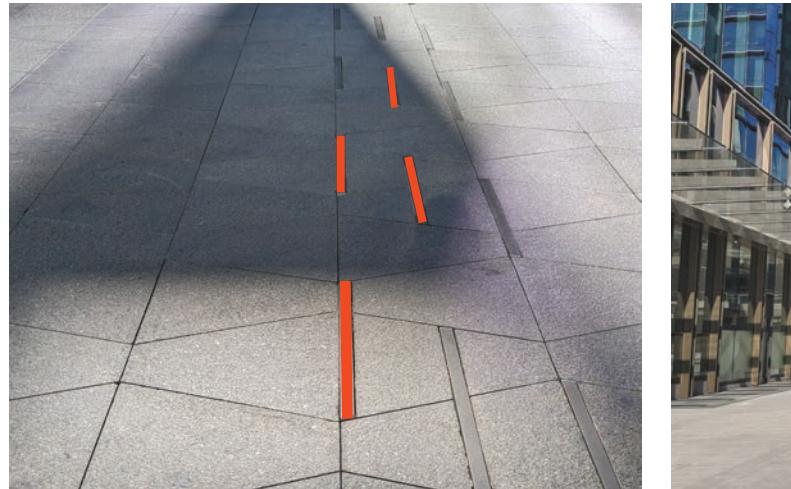
A mix of building styles and sizes line the street with uses comprising of predominantly ground floor retail tenancies with commercial space above. A number of existing ground floor cafes have existing outdoor dining licences with outdoor cafe seating positioned on footpaths.

Adjacent buildings include:

- 69 Phillip St to the north-west - a commercial building with a single entry point along the pedestrian portion of the design.
- 2 Horwood Place to the south-west - a series of dining and retail businesses with existing permits for outdoor furniture fronting Horwood Place.
- 3 and 5 Horwood Place to the south-east - a series of commercial buildings with additional undercroft space within private property.
- 1 Horwood Place and 75 Phillip Street to the north-east - contains a series of retail shop fronts and businesses with existing permits for outdoor furniture fronting Horwood Place.

The colonial history of Parramatta has an important role in the design of Civic Link Block 3 particularly where the site borders state significant heritage buildings. These significant buildings include the Red Coats Mess House located along the south-western edge of the site boundary and the Roxy Theatre positioned on the southern side of George Street.

The design and delivery of Civic Link Block 3 must complement the existing contextual conditions and seamlessly integrate with the Civic Link Framework, whilst remaining sympathetic to the rich cultural histories and stories both Aboriginal and colonial, embedded in the site. Block 3, together with Civic Link will become a social and cultural precinct for the local community, inviting pedestrians and cyclists to gather, dwell and move through the city.



COMMENCEMENT OF CIVIC LINK



A SKYLINE UNDERGOING CHANGE



HIGH POINT TO THE CENTRE OF THE SITE



MOSAIC OF TEXTURES & MATERIALS



1.3. THE COMMUNITY

In setting up a vision for the future design and use of Civic Link Block 3, an opportunity arises for Parramatta to develop new spaces for reflection, gathering and cultural practice. Civic Link Block 3 will seek to support and encourage community engagement with its diverse cultural identity, as well as its open spaces, river systems and place heritage.

Parramatta is a local government area in the western suburbs of Sydney. The 2021 Census revealed that within the Parramatta CBD, only 23.9% of residents were born in Australia. Among these residents the greatest record of ethnicities and descent include Chinese, Indian, English and Nepalese.

As Parramatta is home to an increasing number of humanitarian entrants to Australia, these residents bring with them a multitude of cultural practices, ethnic expression and native languages. However, with a forecasted 39.67% growth to the population over the next 20 years, Parramatta can expect further increases in cultural diversity throughout the City. This increase in population and diversification brings new customs and cultural events to the city, as well as increase demands on public open space. Inclusivity, equitability and flexibility are key considerations for future public spaces within the LGA.

The 2021 Census also highlighted that the Indigenous population of Parramatta is equal to 0.5%, totalling an estimated 176 local residents. In respecting the First Nations history of Parramatta - as the meeting of saltwater and freshwater: Burramatta, the place where eels lie down, it is essential for the city to design and deliver spaces that support the cultural practice and identity of the Indigenous Peoples of the site, the surrounding context and the broader city.

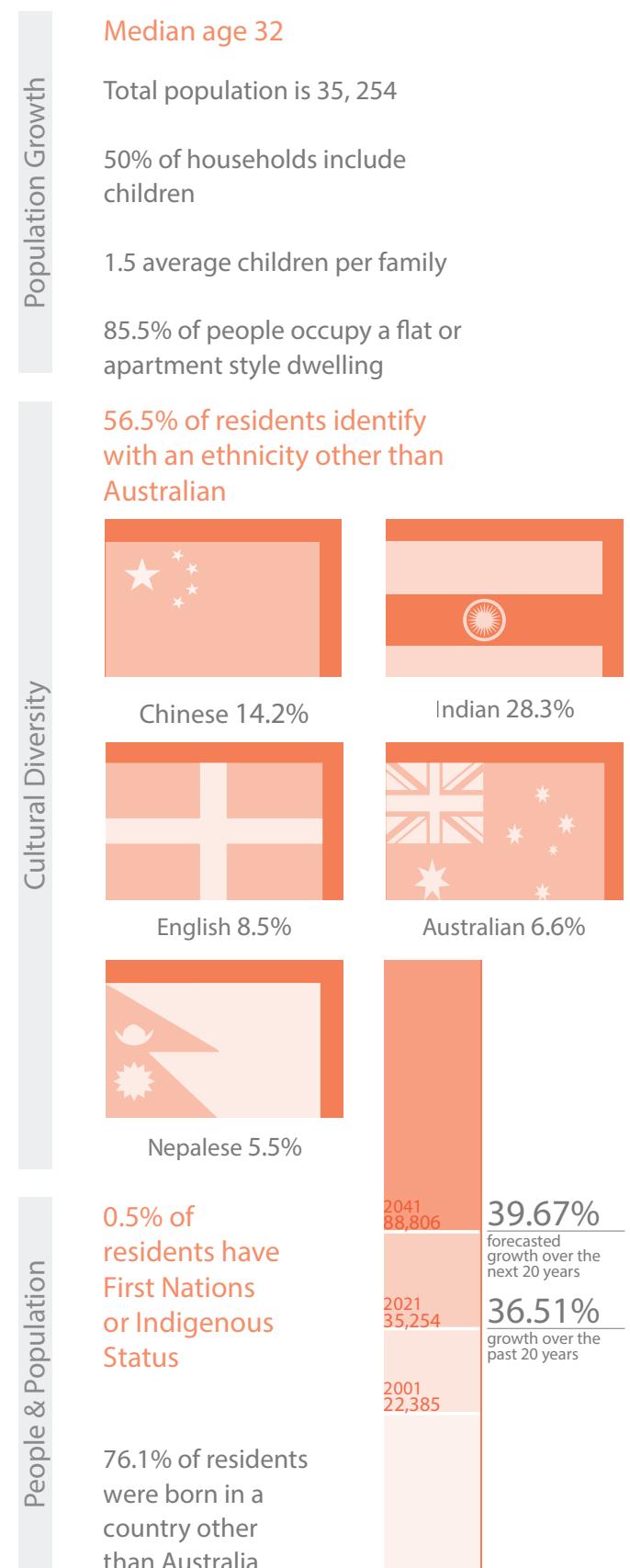


Figure 2. - Parramatta 2001 & 2021 Census, Australian Bureau of Statistics

1.4. CULTURAL VALUES

Heritage and archaeology consultants Extent Heritage have been engaged on the project to undertake archaeological and historical research as well as consultation with the local Dharug Custodian Consultation Panel to develop an emerging thematic framework with key storylines and potential interpretation devices to enrich the design of Civic Link.

Initial investigations have revealed an overarching primary theme of **Healing Country** -

As the primary and overarching theme for the precinct, it will influence design and storytelling throughout, providing an opportunity for reflection and a deeper understanding of Ngurra for all visitors.

Importantly, the theme will also provide space for truth telling; an acknowledgment of the destruction caused by colonisation and the wounds caused that need healing.

Secondary themes include:

-Landscapes Of Power

During the violent and destructive colonisation of Parramatta, new landscapes of power and control were created. This theme will explore the precinct's unique place within this wider story, as well as key sites and buildings associated with this chapter.

- Food and Community

This theme will explore how communities have been built, strengthened and changed here over millennia, with a special focus on coming together through food.

Through ongoing collaboration with Council, the design team and Council's Dharug Custodian Consultation Panel, these themes will be further refined with interpretation opportunities identified for integration within the Civic Link Block 3 design.



Figure 3. - Painting by J.W. Lewin, depicting Parramatta River. G.P. Harris and G.W. Evans (1796 - 1809), State Library of NSW

1.5. FLOODING

Civic Link Block 3 serves as a connection between Parramatta Square (Block 1) and Parramatta Powerhouse (Block 4) via Horwood Place. Based on the flood assessment of the existing area by City of Parramatta Council this area experiences significant flood impacts in Phillip Street. Flood impacts are caused by both overland flow and riverine flooding which can cause surcharge / charged stormwater lines due to the proximity of the river.

A Stormwater Management Plan prepared by Arcadis outlines further details on flooding.



Figure 4. - Civic Link Block 3 - Looking North along Western Boulevard. Source: McGregor Coxall

1.6. EXISTING TREES

Horwood Place is a streetscape, defined along the eastern side by a row of mature street trees that overhang the carriageway.

The project Arborist has identified a series of trees recommended for protection or removal with approvals generally due to exposed roots or damage to the surrounding pavements. While many of the trees appear visually sound, most have exposed and girdling roots that are lifting the surrounding surface treatment and altering the crossfalls to the pathways.

The design of Civic Link Block 3 proposes the retention of the following trees in the southern section where a portion of the carriageway is being maintained until future block development allows for full closure of Horwood Place to vehicles. The existing trees provide canopy and shade amenity in this interim period, and will be replaced at a future time within the centrally placed green spine alignment:

- T7 - *Platanus x acerifolia*
- T10 - *Platanus x acerifolia*
- T12 - *Platanus x acerifolia*
- T13 - *Platanus x acerifolia*

All other existing trees will be removed.

40 - 50 new trees will be planted as part of the proposed works, creating a strong canopy cooling the streetscape and creating habitat for local ecology.

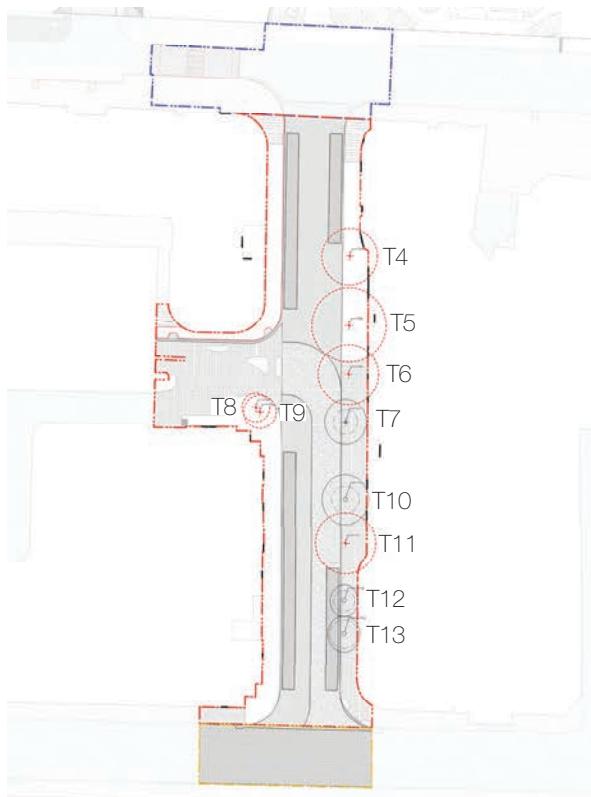


Figure 5. - Existing Trees. Source: McGregor Coxall

ID	Species Name	Height	Proposal to Retain and protect or remove	Health and structural condition	Retention Rating	TPZ Radius
T4	<i>Liquidambar styraciflua</i>	15.4m	Proposal to remove with approval	Buttress roots flare at Root Crown Base. Measurement at RCB with buttress rooting is: 1.1m. Exposed roots visibly girdling and asphalt surround is lifting particularly on east side of T4. Stature of tree is established and likely provides good summer shade and allows winter afternoon sun. Many services located within/under tree pit zone. Crown lifted and first branch at 2.8m high and canopy extend over the road (west) as a favourable attribute.	3 Moderate	5.52m
T5	<i>Platanus x acerifolia</i>	21.8m	Proposal to remove with approval	Like T4, T5 also has a large asphalted zone around its base. Tree roots appear to have lifted and cracked asphalt in approximately 4 locations. Canopy tends west as well as extending over the fixed awning to the east. Established scale and canopy. A light pole is within the canopy and <1m from the base of the tree. Whilst the tree form appears visually sound, exposed roots are visible at the Root Crown Base. First branching is at 3.5m	3 Moderate	5.28m

Retention Rating: High 1-3, Moderate 4-5, Low 6, Very Low 7

T6	Platanus x acerifolia	20.3m	Proposal to remove with approval	co-dominant form at 1.5m high and tri-dominant form at 2m high, else the main trunks are clear / crown lifted of cars and fixed awning. Mistletoe present in canopy on west side. Form is established and tending slightly to the west (as would be expected). Some kerb lifting/shifting adjacent tree.	3 Moderate	3.00m
T7	Platanus x acerifolia	13.0m	Retain	Smaller specimen than T5 and T6, and located at top of crest in road. Single trunk with light pole within the tree pit (<1m from tree). T7 has Softfall to surround.	3 Moderate	2.64m
T8	Elaeocarpus Reticulatus	8.5m	Proposal to remove with approval	Located in low brick planter (approx. 450mm high), and T8 is approximately 1.2m away from T9. Canopy density and tree condition visually appears very good. Juniperus horizontalis and dwarf Nandina are within planter bed at base (and are successful).	3 Moderate	2.16m
T9	Melaleuca Styphelioides	7.5m	Proposal to remove with approval	Tree size and form is very suitable for its context, providing shade and landscape separation for the adjacent café alfresco area. Brick planter has 2 locations where bricks have shifted/cracked. T9 has a small amount of dieback on end branches present with some yellowing of the leaves (which could be due to the winter conditions or an indication of soil needing some additional nutrients). If tree to be retained in planter, soil improvements and testing likely recommended along with light pruning of small amount of dieback.	3 Moderate	3.96m
T10	Platanus x acerifolia	14.8m	Retain	Exposed and girdling roots at Root Crown Base. T10 appears to be the same planting age as T7 . Also with Softfall surrounding. Crown lifted canopy to 4m. Some cracking of asphalt pavement.	3 Moderate	3.00m
T11	Platanus x acerifolia	17.2m	Proposal to remove with approval	Tall straight bole, however there is much pavement lifting and cracking (of Softfall, asphalt and granite unit pavers). 5 pits present on the northern side of the tree and one pit on the south (sewer, Telecoms, and water). Opening in Softfall indicates extensive surface rooting and likelihood of shallow and/or little soil volume available to the tree.	4 Moderate	4.44m
T12	Platanus x acerifolia	6.6m	Retain	Both T12 and T13 appear to be from the same genetic stock and age with extensive crossing limbs which have likely caused rubbing and branch wounding at contact/crossing locations which show visual signs at the wound sites of branch damage. Both trees T12 and T13 have lifting and cracking asphalt cracking and visual indication of stunting, poor visual appearance with extensive scarring, and appearance of stunting (possibly with limited soil volume indicated with pavement lifting at semi mature age class). T13 shows more extensive pavement lifting at Root Crown Base.	5 Low	2.28m
T13	Platanus x acerifolia	6.6m	Retain		6 Low	3.12m

Retention Rating: High 1-3, Moderate 4-5, Low 6, Very Low 7

Figure 6. - Tree Evaluation Table. Source: Elke Haege Thorvaldson, Consulting Arborist and Landscape Architect.

2.0 DESIGN FRAMEWORK

2.1. CIVIC LINK MASTERPLAN

Civic Link Block 3 is part of the Civic Link Framework Plan endorsed by City of Parramatta Council 2017, which builds a vision for connecting the city to the river through staged public domain improvements and city block development. Civic Link Block 3 will be delivered by local government in stages that respond to the programs of adjacent works proposed for Block 2: Sydney Metrowest and Block 4: Parramatta Powerhouse precinct. It follows the north-south alignment of the four blocks, located between Parramatta Square and the Parramatta River.

The Civic Link Framework Plan (2017)

The Civic Link Framework Plan (SJB Architects & Aspect Studios, 2017) identify Horwood Place as Block 3 of the Civic Link, which is described as:

The Civic Link extends across four city blocks in the heart of the Parramatta CBD. The link is approximately 490 metres long, and 20 metres wide, extending from Parramatta Square to River Square and the broader foreshore precinct. Crossing over Macquarie, George and Phillip Streets, this new public open space runs along the existing Horwood Place alignment, and will be made possible by the redevelopment of the above-ground Council-owned Horwood Place car park. (SJB Architects & Aspect Studios 2017)

Together with the adjoining city blocks, Civic Link Block 3 will resolve a key component of Sydney's Central River City through the delivery of the Civic Link Framework Plan, connecting major destinations through a green pedestrian and cycle-friendly avenue that addresses the social and environmental pressures facing Parramatta.



Figure 7. - Civic Link at Block 3, Source: McGregor Coxall - NOTE: Vertical heights exaggerated for purpose of diagram.

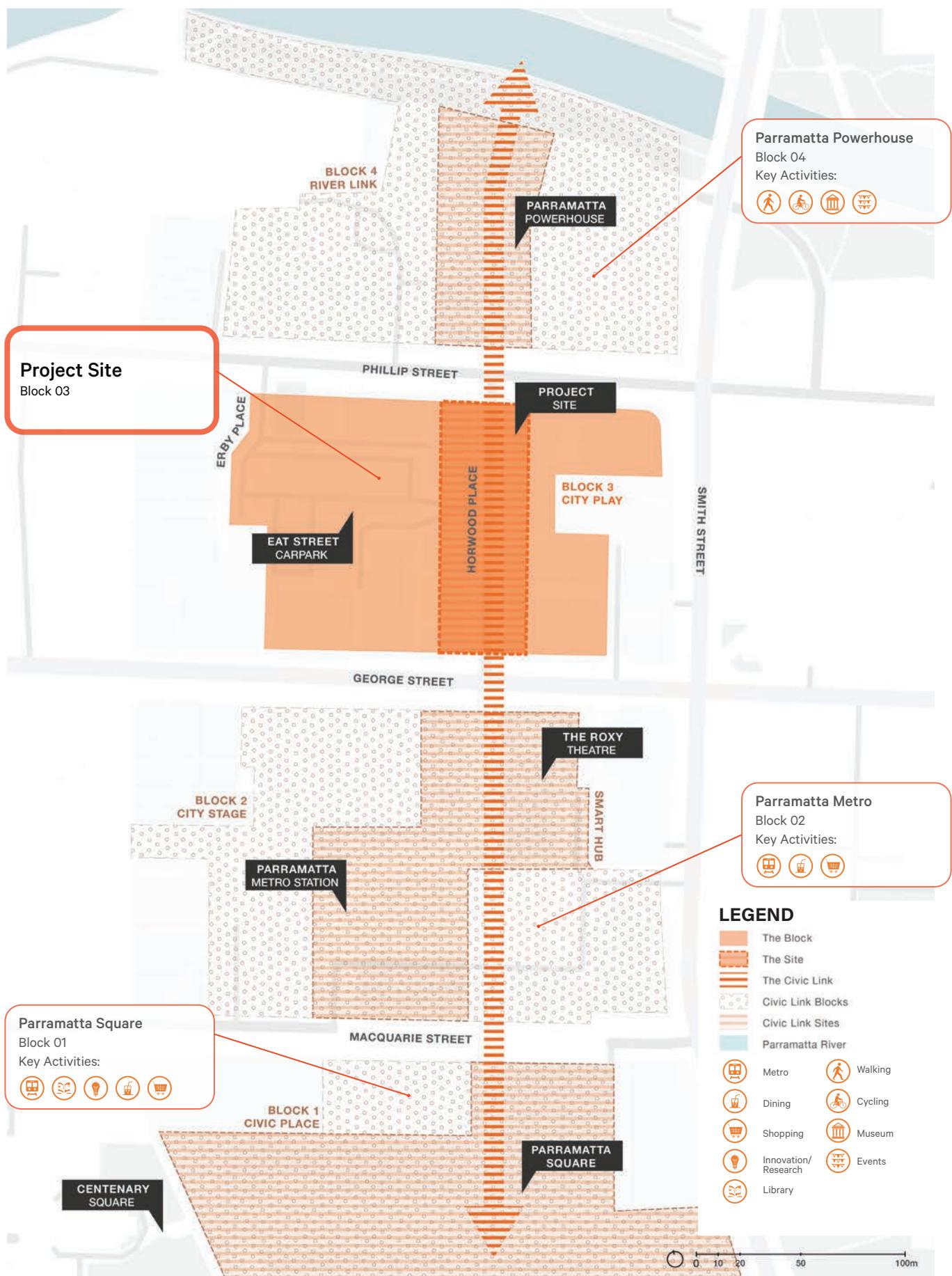


Figure 8. - Civic Link Framework Plan, Source: McGregor Coxall

2.2. SYDNEY METROWEST PARRAMATTA STATION

The Sydney Metrowest Station at Parramatta was identified as Block 2 of the Civic Link, located between George Street to the north and Macquarie Street to the south. The project will include an underground railway connecting greater Parramatta to the Sydney CBD, with a new mixed-use precinct and urban park.

Key Challenges

The Civic Link Block 3 project identified the following key challenges for the staged construction of the Civic Link between Block 2: Sydney Metrowest and Block 3:

- Site boundary issues and lack of delineation between Block 2: Sydney Metrowest and Civic Link Block 3 scope at the proposed pedestrian crossing connecting the two sites.
- Program - the proposed delivery for Sydney Metrowest follows the construction of Civic Link Block 3 Interim State and has forced deferred works along George Street to accommodate the ongoing construction vehicle access for Block 2 (including a hold to levels, grading and pedestrian crossing coordination between the two sites).
- Significant design constraints for Block 3 (including but not limited to maintenance and emergency service vehicle access to hydrant boosters, electrical substations and waste management routes) and traffic considerations for the left turn out of Horwood Place has resulted in a north-south connection via Civic Link that does not directly align between the two sites.

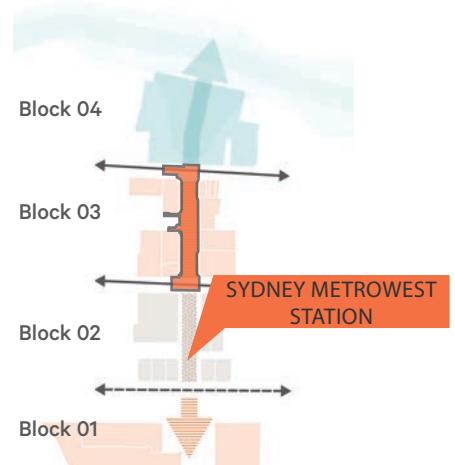


Figure 9. - Artists Impression of Civic Link Block 2 looking south from George Street, Source: SJB Architects

2.3. PARRAMATTA POWERHOUSE PRECINCT

The Parramatta Powerhouse precinct was identified as Block 4 of the Civic Link, located between the Parramatta River foreshore to the north and Phillip Street to the south. The project will provide new museum space, flexible exhibition and event areas, active engagement and connection to the river foreshore, and provide open public spaces for gathering, dwelling and cultural events.

Key Challenges

The Civic Link Block 3 project identified the following key challenges for the construction of the Civic Link between Block 2: Sydney Metrowest and Block 3:

- Site boundary issues and lack of delineation between Civic Link Block 3 and Block 4: Parramatta Powerhouse scope at the proposed pedestrian crossing connecting the two sites
- Program - Coordination of construction is required between the two sites to ensure minimal disturbance to operations and access.
- Significant design constraints for Block 3 (including but not limited to maintenance and emergency service vehicle access to hydrant boosters, electrical substations and waste management routes) has resulted in a north-south connection via Civic Link that does not directly align between the two sites.

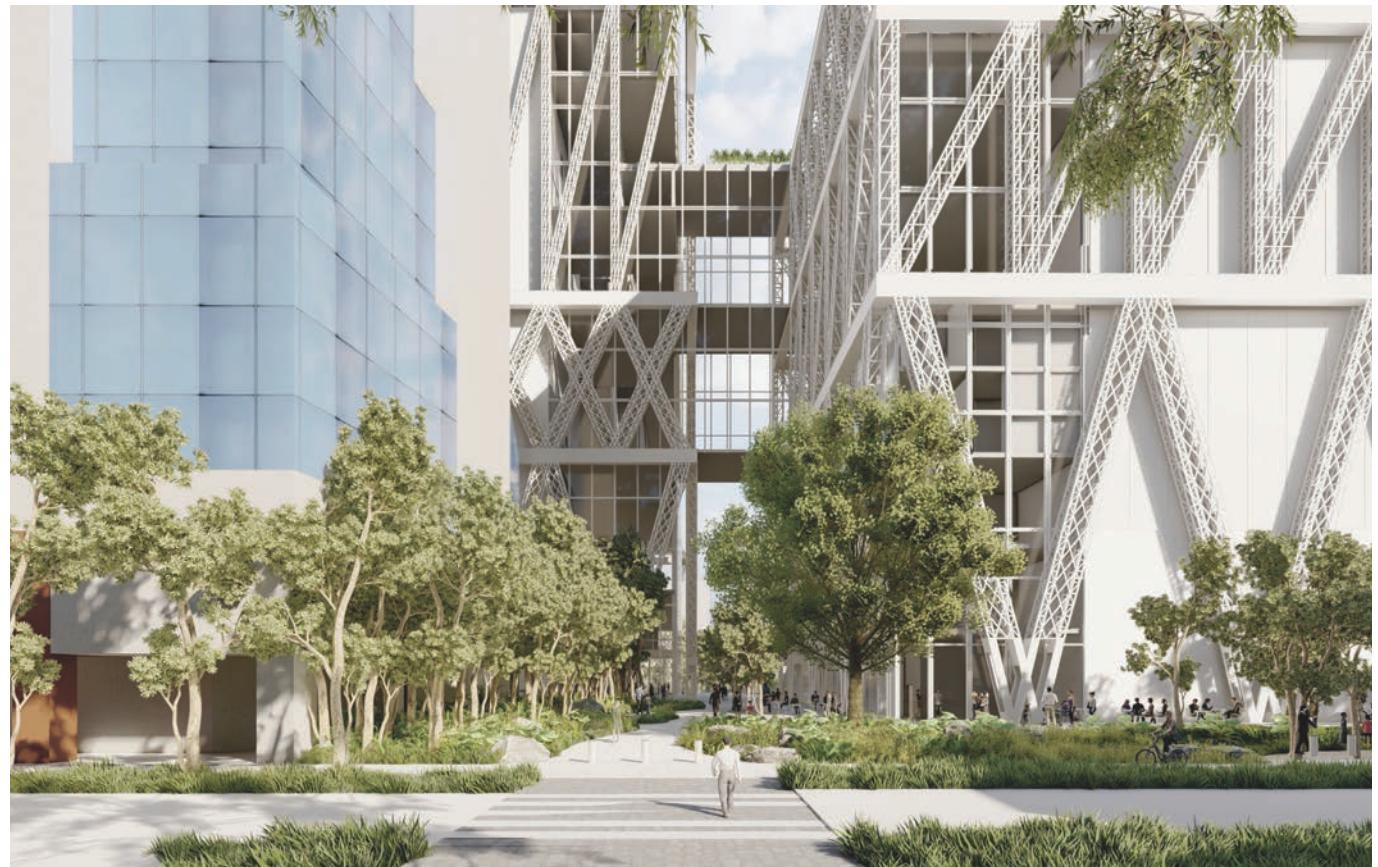
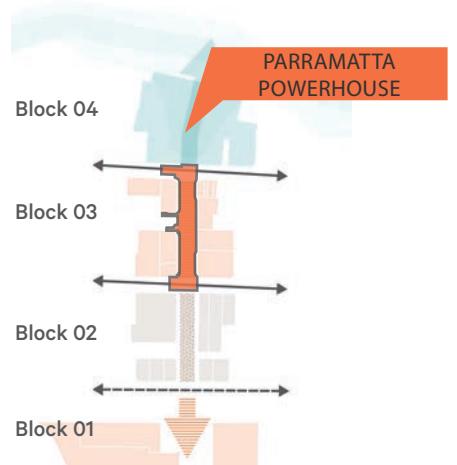


Figure 10. - Artists Impression of Parramatta Powerhouse looking north from Civic Link Block 3, Source: McGregor Coxall

2.4. PROJECT AIMS AND OBJECTIVES

As Parramatta faces rapid social and environmental change, new developments such as Civic Link provide the opportunity to re prioritise city spaces that are currently dominated by vehicles into places for people. These developments aim to deliver high quality comfortable community space that mitigating urban heat, seek to restore lost ecologies, and improve amenity for residents and visitors to Parramatta.

Project aims and objectives for Civic Link Block 3, developed from the brief and through Design development, include:

- Design and deliver a place that pays homage to its natural ecological and historical setting along a riverbed,
- Design and deliver a place that celebrates and provides visitors with a connection to water within an urban context,
- Design and deliver a place that adds to the unique identity of Parramatta,
- Design and deliver a place that is comfortable and caters to a variety of programs, users and access requirements,
- Design and deliver a space that celebrates Dharug culture and allows for First Nations story exchange and cultural expression,
- Design and deliver a place that is inviting and inclusive of community,
- Design and deliver a place that is future proofed for changing social, environmental and infrastructure conditions.

These aims and objectives have been used to develop an vibrant, inclusive and responsive design outcome which is described in the following chapter.



Figure 11. - Civic Link Block 3 Visualisation. Source: McGregor Coxall

3.0 DESIGN PROPOSAL

3.1. CIVIC LINK BLOCK 3

Civic Link Block 3 strives to realise the Civic Link Framework Plan 2017, materialising a green and activated pedestrian spine connecting Parramatta Square to the Parramatta Powerhouse, the city to the river. The design proposal has been shaped by the unique qualities of space, the rich histories of Parramatta, and featuring geometries that respond to constraints of site. The design has been fundamentally shaped by its strategic position between the future Parramatta Powerhouse and Sydney Metrowest Station, that anticipates an influx of pedestrian and cyclist movement between the two infrastructural developments.

The key spatial components of the design include: a generous pedestrian and cycle connection along the western boundary of the site, bespoke bridge structures that dissect a vibrant and lush green spine in the north, and a partially retained, yet modified carriageway to the south of Horwood Place. These spaces are all connected by a 'Ribbon' that meanders throughout the site, providing moments for community amongst planting. These new elements have been designed to accommodate spill out from existing businesses, meet accessibility requirements, as well as facilitate the everyday use of community.

A coordinated material and colour palette - including The Ribbon, multi-function light poles and drinking fountains, also provide opportunities for storytelling that not only unify the public domain but reveal the significance of the site for Parramatta.

The pressures of urban heat island and flooding in Parramatta form crucial considerations for the design. These considerations are paramount to the success of Civic Link and have fundamentally shaped the design to contribute to the overall flood resilience and management of urban heat in Parramatta. The environmental sustainability measures for Civic Link Block 3 include:

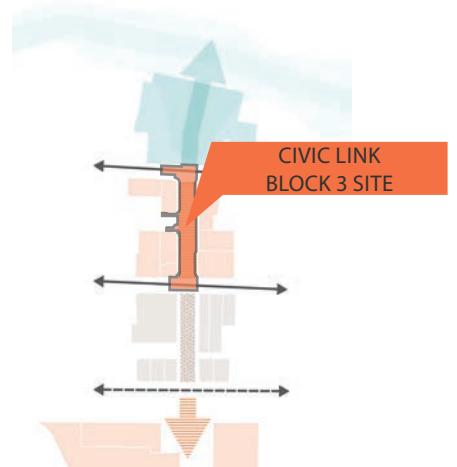
- Recessed passively irrigated rain gardens to Phillip Street that increase the flood catchment to the north of the site,
- Increased permeability and tree canopy that focus on low-maintenance and predominately native plant species for drought tolerance and heat management, and
- A coordinated drainage strategy that includes increased permeability to capture and filter stormwater within the site.

Departure from the Civic Link Framework Plan 2017

The development of the Civic Link Block 3 has required fundamental reconsideration of, and departure from elements depicted in the original proposed for Civic Link. As the site is constrained by existing levels and steep grading conditions.

While the response to the existing site conditions has necessitated a different approach from what was depicted in the Framework Plan, the underlying objectives and principles of 'City Play' identified for Block 3 remain key drivers for the design. The exploration of The Ribbon allows for variety and playful discovery of amenity that both retains levels and navigates visitors in and around the green spine.

Additionally, pending future projects and works associated with Eat Street Carpark (Erby Place Carpark), the design to Block 3 at this stage does not continue the design language of the green spine into Auctioneer Lane. Vehicular access has been retained within this location to maintain access to the carpark, with the Civic Link Block 3 project primarily running north-south between Phillip Street and George Street.



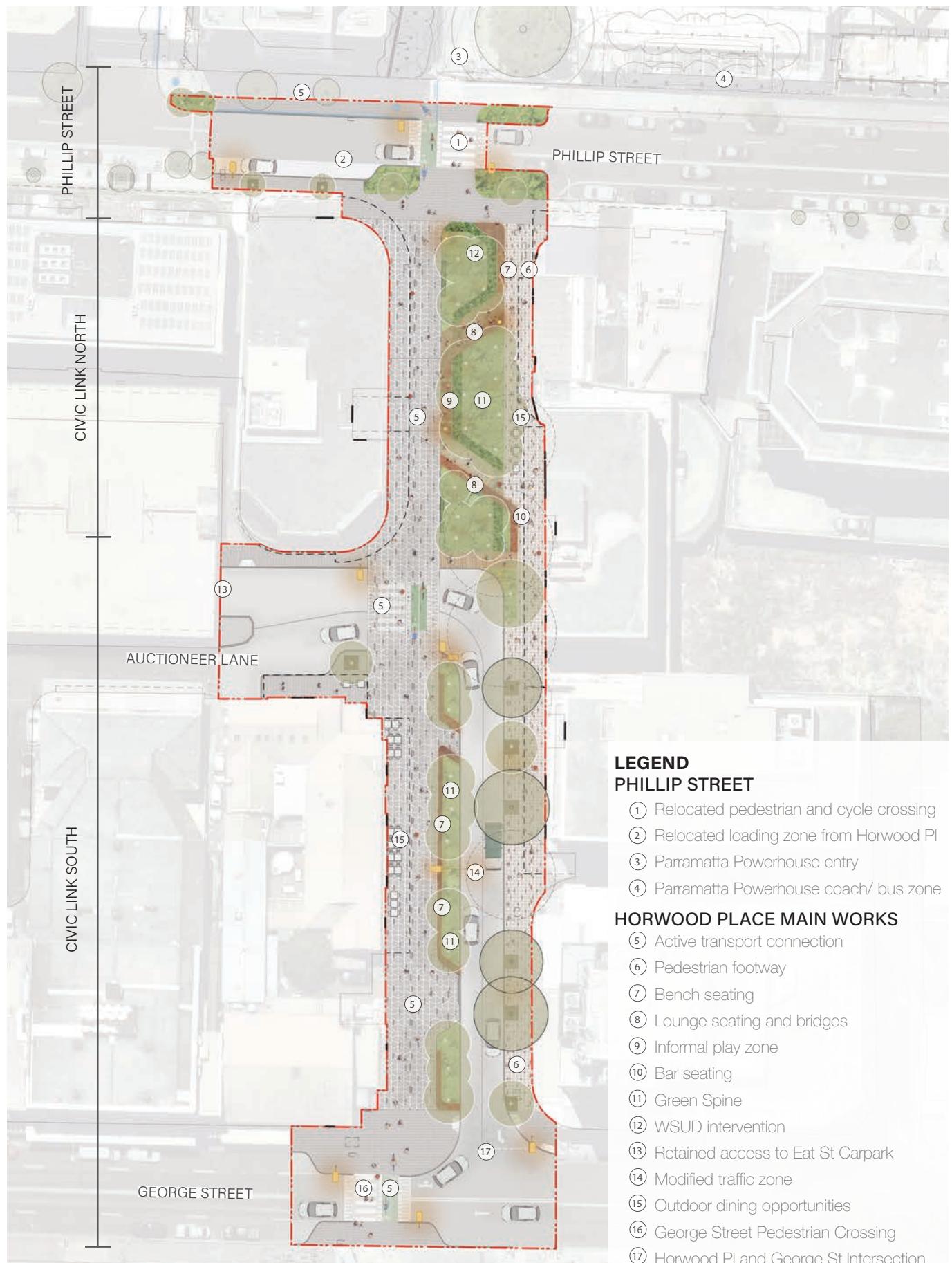


Figure 12. - Civic Link Block 3 Community Exhibition Plan

3.2. PHILLIP STREET

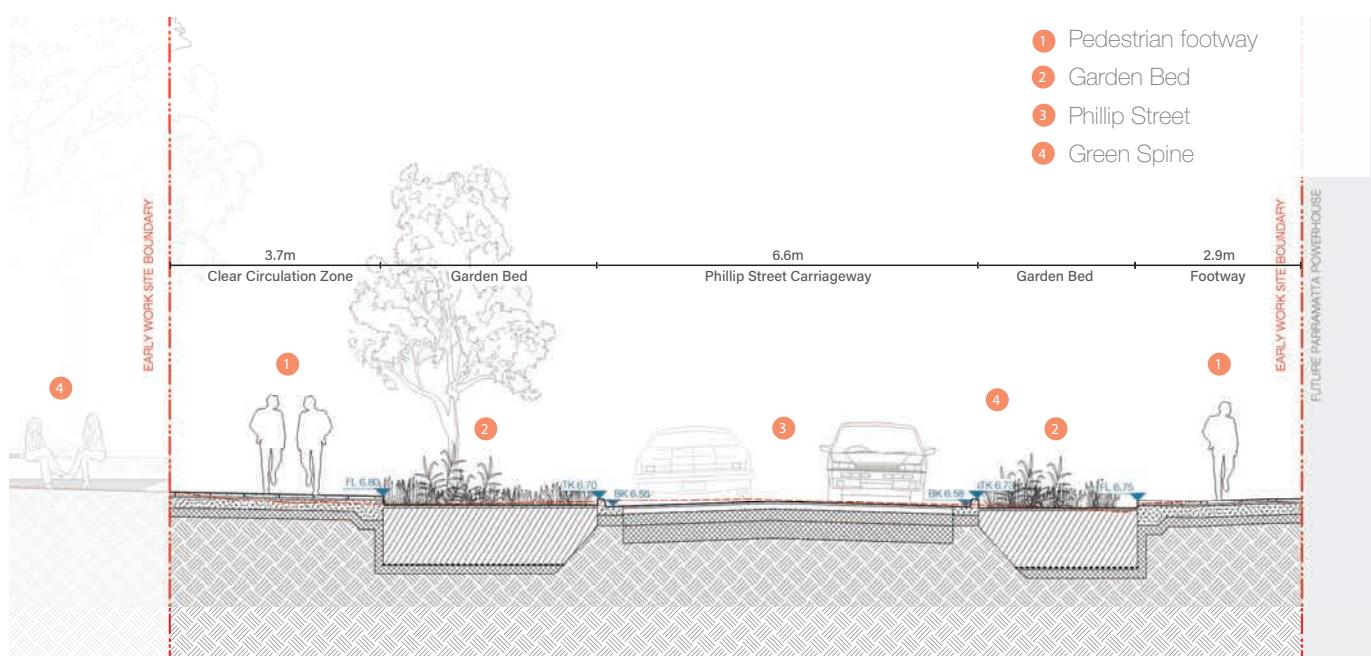
Works to Phillip Street comprise of a new pedestrian crossing and streetscape upgrades including trees, furniture, lighting and loading zone. This separable portion of works will require close coordination with the construction program for Block 4 Parramatta Powerhouse to the north to ensure minimal disruption to operations and access of each site.

Works to Phillip Street are based on the Civic Link Block 3 design brief and relevant traffic studies, which focus on the completion of Phillip Street works in time for the opening of Parramatta Powerhouse. This scope included drainage and flooding improvements to Phillip Street along with the relocation of the existing pedestrian crossing to align with Civic Link. The relocation of the existing pedestrian crossing is also inclusive of new lighting, signage, tree planting and kerbs, incorporating a new alignment that more closely connects Block 3 and Block 4: Parramatta Powerhouse.

Other key spatial components of the design include:

- The relocation of the existing Horwood Place loading zone to Phillip Street,
- Expanded pavement zones with new paved blisters to the new crossing
- New tree and understorey planting
- Revised lighting to ensure compliant lighting of the crossing and streetscape
- Additional bench seating

Additionally, pending future projects and works associated to the area in front of 32 Phillip Street, the design to Phillip Street Early works includes improvements to cycle connection between Civic Link and Dirrabarri Lane.



SECTION A

Figure 13. - Phillip Street Section
Section through the proposed garden beds and Phillip Street carriageway

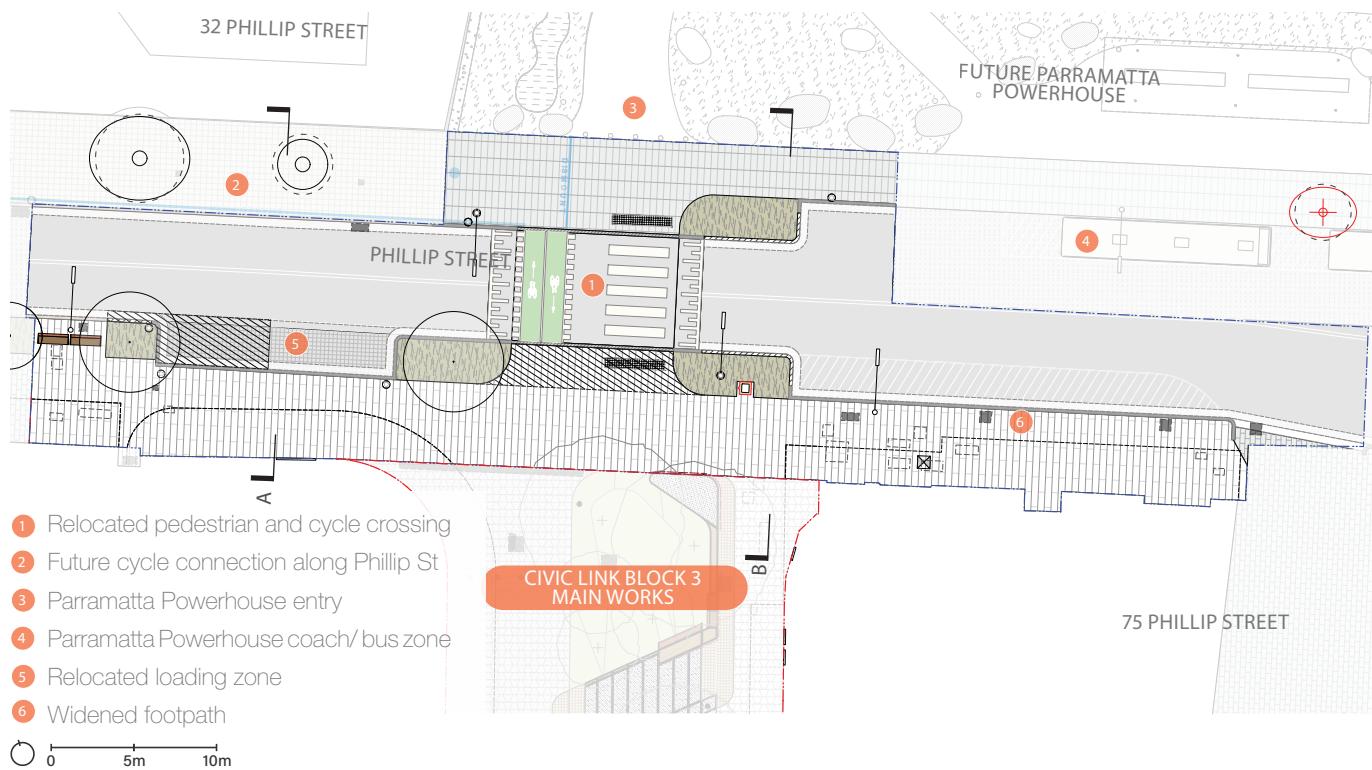
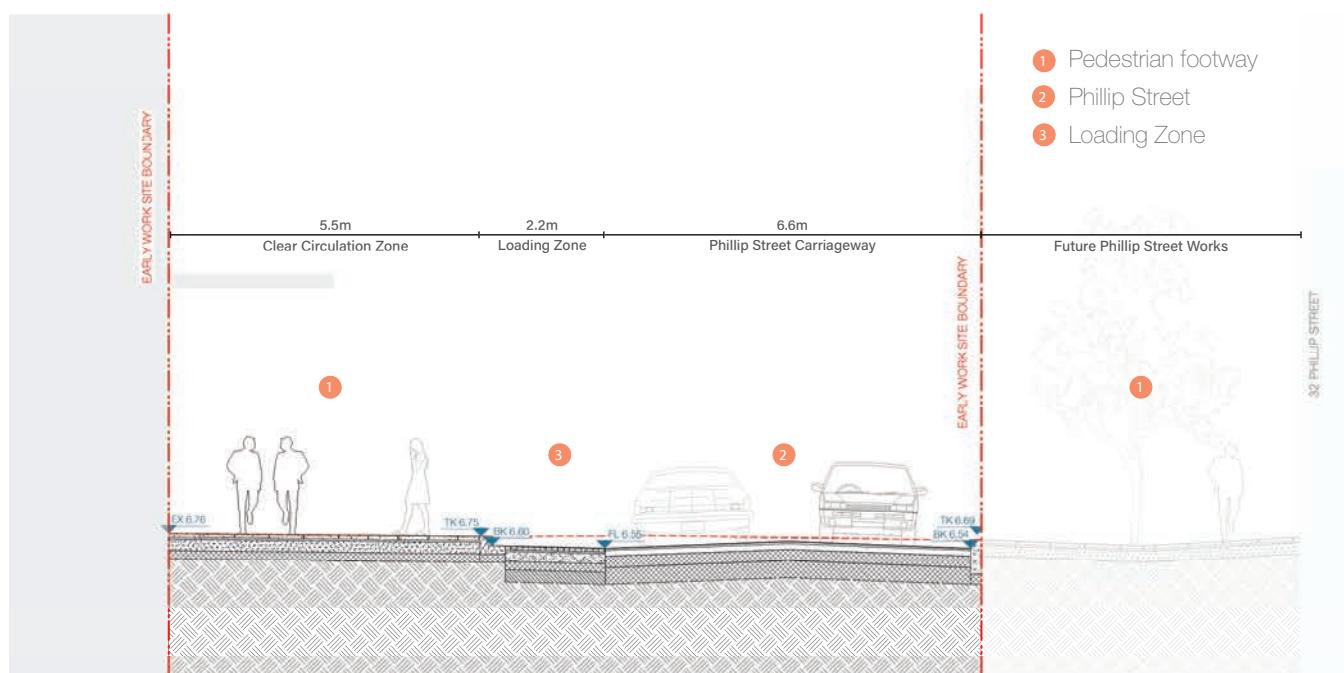


Figure 14. - Design Development plan for Civic Link Block 3 Early works

Figure 15. - Phillip Street Section
 Section of the proposed loading zone and future works to Phillip Street

The design of Civic Link is generally defined by two key zones, Civic Link North which is fully pedestrianised and Civic Link South which maintains a reduced vehicular carriageway providing access to the Eat Street Carpark.

3.3. CIVIC LINK NORTH

Civic Link North is a fully pedestrianised urban park with vehicular access limited to maintenance and emergency vehicles only via removable bollards. A 7m wide pedestrian and cycle shared path is positioned on the western edge, in alignment with a new pedestrian crossing at Auctioneers Lane to the south. A wide, recessed planted spine provides a green focal point for the space with verdant lush planting and clusters of varying native trees assisting to cool the space. Passive drainage is directed into this planted zone from adjacent footpaths, filtering this excess stormwater through a central planted swale.

Weaving through the space is the Ribbon, a connective urban element that includes varying seating opportunities, lounging and incidental play, creating occupiable places in and around the planted spine. The Ribbon adapts and responds to existing site conditions, stepping down where required to account for existing grades, transforming into a bar with stools and communal table where situated against existing cafes, while also providing DDA compliant seating opportunities at various locations.

Precast concrete bridges cross over the recessed planting zone connecting the western boulevard with existing cafes that line the eastern edge of the site. Lounge seating is integrated within the edges of the bridge providing places for relaxation.

To the centre of the green spine, a series of concrete stepping stones with vertical totems bleed into the planting creating an adventure trail where visitors can be immersed within the planting. These platforms also provide the opportunity for the integration of interpretation elements referencing the sites past and educating on local ecology. A large concrete plinth forms the northern termination of the Ribbon offering a distinct meeting plan facing Phillip Street with signage opportunities.

New lighting is provided via multifunction poles with directional luminaires. These light poles will add to the character of Civic Link with a custom painted finish creating a decorative effect and reflecting the warmer tones used within the Ribbon elements. These poles are customisable and will offer the ability for in built power supply, CCTV and coloured beacon lighting at the top of each pole.



Figure 16. - Artists Impression of Civic Link Block 3 looking north, Source: McGregor Coxall

3.4. CIVIC LINK SOUTH

Civic Link south continues the 7m wide western pedestrian and cycle boulevard from the north, with two raised pedestrian crossings located at Auctioneer Lane and George Street prioritising pedestrians and cyclists at these intersections. This generous, stone paved boulevard allows for spillout from the adjacent cafes with existing licences outdoor seating areas maintained along the western edge.

To the east of the boulevard, the Ribbon emerges providing bench seating including DDA compliant seating with feature porphyry paved 'welcome mats' at these locations. Behind the ribbon, planted gardens add pockets of green against the vehicular carriageway. Planting here contains a number of flowering and sun loving species arranged in a semi formal layout evoking the farms and gardens that were once located in and around Parramatta. The groves of canopy trees used in Civic Link North continue overhead within these gardens, shading the seating areas and pedestrian boulevard below.

Vehicular circulation has been maintained within Civic Link South, providing access to the Eat Street Carpark as well as properties along Auctioneer Lane. The existing carriageway has been almost halved in width, making more room for people, cyclists and gardens. A new surface treatment and new kerbs will refresh this street, improving the visual amenity.

The eastern footpath maintains access to buildings and shop fronts along this edge and will include new stone paving providing a high quality finish. Custom lightpoles will continue through Civic Link South, adequately lighting the spine for safe use during the night. Other fixtures will include bollards to restrict vehicular access, bicycle hoops, bins and wayfinding signage.



Figure 17. - Artists Impression of Civic Link Block 3 looking north, Source: McGregor Coxall

3.5. THE BOULEVARD AND THE BRIDGES

Extending the length of Civic Link Block 3, the western footpath has been expanded to provide a minimum width of 4.2m to a maximum of 7.4m wide, to offering a generous boulevard for shared pedestrian and cyclist movement. Compared to the existing 4.0m to 5.8m width retained along the eastern footpath, the extra width eases congestion between pedestrian and cyclists while allowing space for maintenance and emergency vehicles.

While the eastern footpath width remains unchanged, the longitudinal and crossfall gradients have been improved for the ease of travel. To alleviate pressure on the eastern footpath, a series of east - west bridges connections are proposed to provide accessible options of travel across the site. These bridges are situated within the green spine, offering amenity and places of respite off the main paths of travel. The bridges will be constructed of precast concrete panels and will satisfy the following criteria:

- Meet the required compliance of 1:40 maximum longitudinal fall
- Satisfy key desire lines to Block 2, Block 4 and the Eat Street Carpark,
- Direct site users away from existing steep and narrow footpath areas,
- Avoid conflicts with existing outdoor dining zones, and
- Seamlessly integrate with The Ribbon to offer accessible places of pause, rest and amenity off the main paths of travel.

The 1:40 gradient achieved on the bridges allows ease of access for wheelchair and less mobile users. In addition, seating elements and rest points, will create dedicated places of pause within the bridges allowing users to stop off the inclined north-south connections for a period of time (**Vallabh Bailey Consulting 2024**).

The design has been assessed against Deemed-to-Satisfy provisions and Performance Requirements of the National Construction Code Series (Volume 1) Building Code of Australia 2022, Australian Standards and Guidelines, and the Universal Design Principles. In summary, the design adheres to the standards and follows recommendations from Vallabh Bailey Consulting regarding access requirements (**Vallabh Bailey Consulting 2024**).



69 Phillip
Street

Green Spine

1 Horwood
Place



Figure 18. - Cross Section/ Elevation
Section through Civic Link North and bridge

3.6. THE RIBBON

The Ribbon is a new design element that extends the length of Civic Link Block 3 and incorporates seating, play and dining opportunities throughout the green spine. The Ribbon provides a linear edge of amenity, defining passive seating zones, weaving through garden spaces and navigating the topography of the site. The Ribbon forms an interactive public frontage to adjacent buildings, using warm materials and colour to create a distinct identity for the spine and welcoming users to occupy the site.

Prominently located along the path of least resistance, The Ribbon follows and guides users through the most accessible gradients, avoids conflicts with outdoor dining zones, and engages with the green spine.

The Ribbon integrates the following public amenity:

- The Seat: Seating is located along The Ribbon at key meeting points and at existing shop frontages. Additionally The Ribbon Seating is to be consistently spaced to form rest stops along the accessible path of travel with backrests and handrails where required to provide DDA compliant seating at critical locations. Seats will consist of a palette including precast concrete bases, timber batten seats and coloured steel backrests and armrests.
- The Lounges: Positioned on the bridges that cross the green spine, the lounges take advantage of the green outlook and shade provided at this location. These generous seats offering users the ability to recline and relax amongst the trees, encouraging visitors to pause and rest in cool comfort.
- Incidental Play: An incidental play zone located towards the centre of the ribbon allows users to take a different path via large concrete stepping stones that step through the densely planted green spine. This adventure trail is highlighted with vertical totems with interpretation opportunities that enrich this experience and further educate users on the sites heritage. The generous size of the stepping stones allows for occupation of the space by individuals as well as small groups, immersed within planting.
- The Bar: The Bar provides additional seating spaces paired with a long communal table and offers a convenient spot to have lunch, enjoy a coffee or recharge your phone through integrated charging points. The Bar is also wheelchair friendly and can be enjoyed by visitors of all abilities.
- Wayfinding: Rough surfaced porphyry stone setts are used in the ground plane as part of the ribbon, creating door mats that define space for passive seating areas while also assisting visually impaired users by creating shorelines along key path connections.

Additional overlays of interpretation can easily be incorporated within the Ribbon design and will help to enrich the character of the Civic Link.



Figure 19. - Farrer Place. Source: ASPECT Studios



Figure 20. - Ketcheson Neighbourhood Park. Source: PWL Partnership Landscape Architects.



Figure 21. - Darling Square. Source: ASPECT Studios



69 Phillip
Street

Green Spine

75 Phillip
Street



Figure 22. - Cross Section/ Elevation
Section through Civic Link North - Play platforms and green spine

3.7. SITE SECTIONS

SECTION A

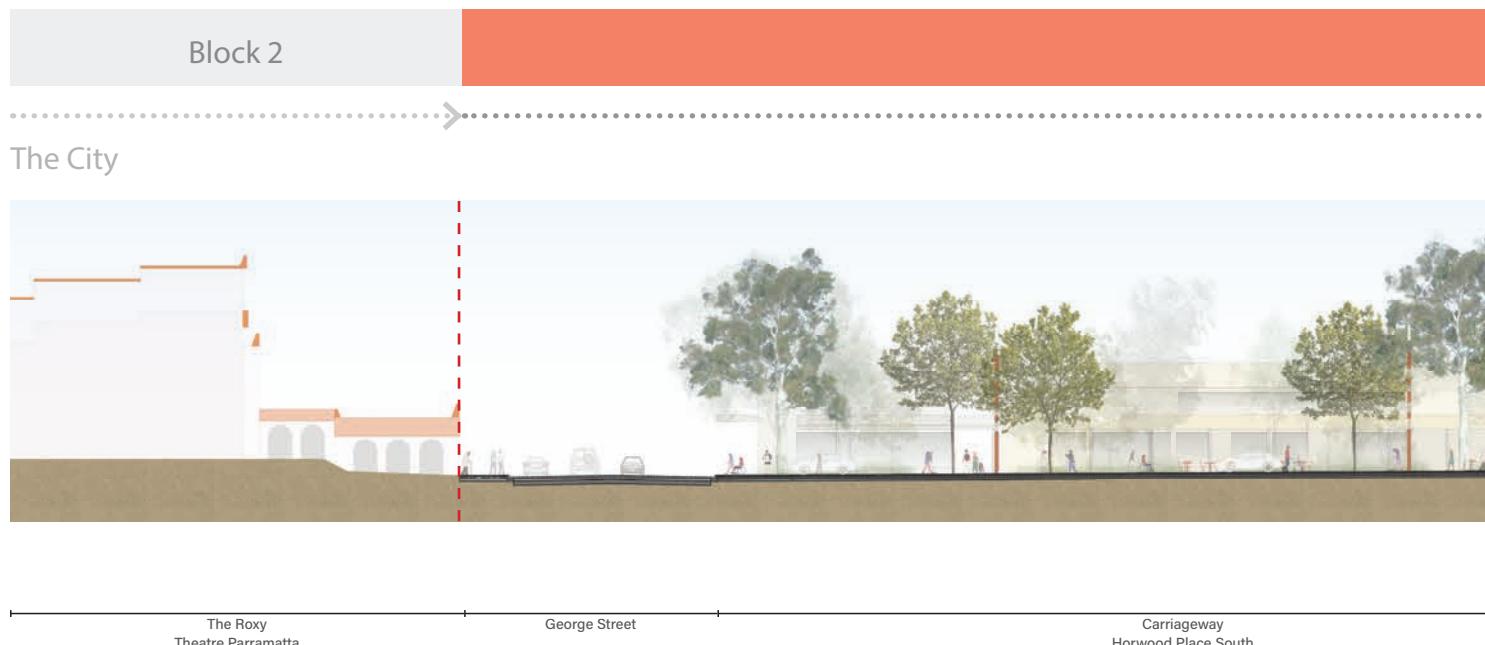
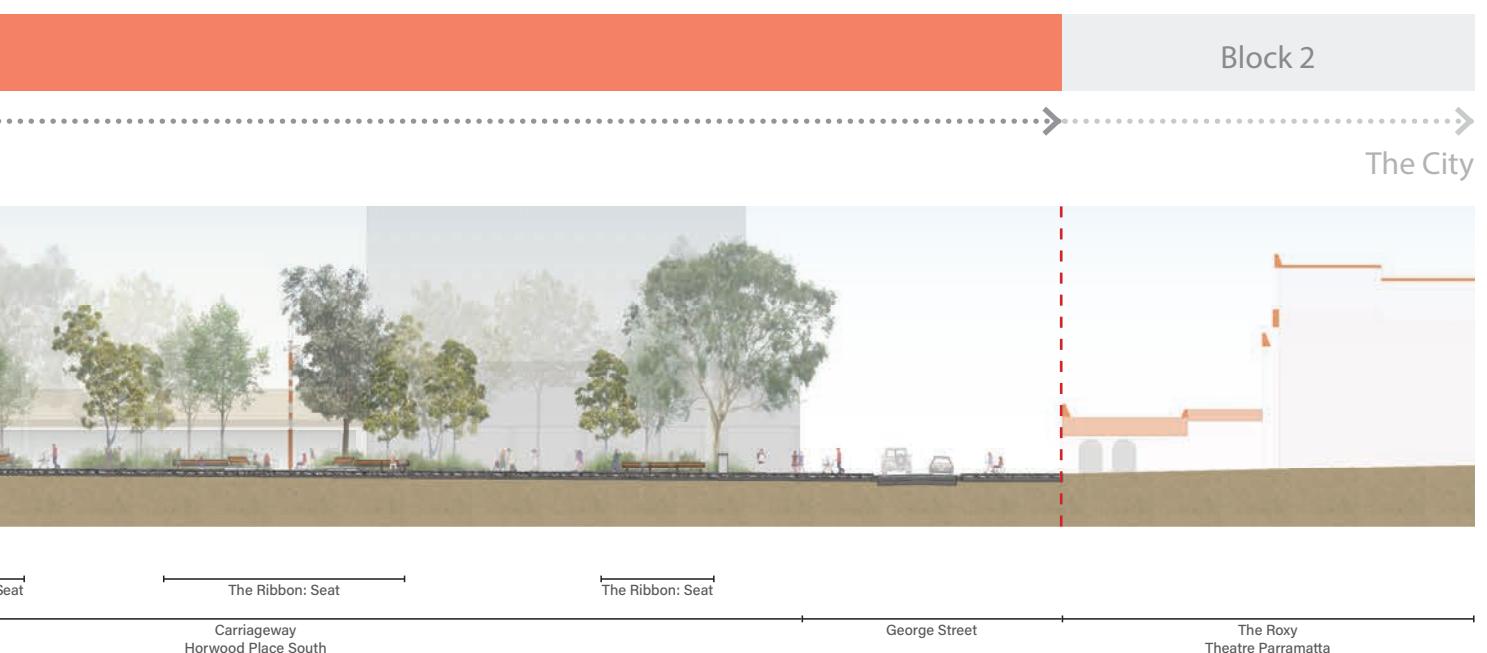


Figure 23. - Long Section/ Elevation
West facing section from George Street to Phillip Street

SECTION B



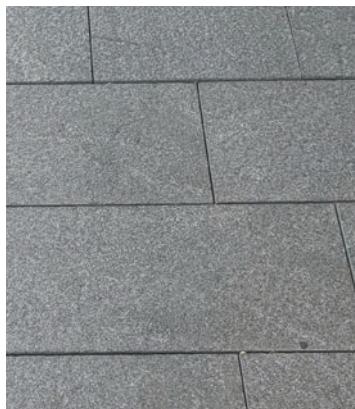
Figure 24. - Long Section/ Elevation
East facing section from Phillip Street to George Street



3.8. MATERIALS PALETTE

A palette of robust materials have been selected for use within the Civic Link with an emphasis on warmer tones that are welcoming and inviting. Footpath pavements will include durable and locally sourced granite in a variety of tones in response to Council's existing CBD palette. A custom format will be used on the main pathways within Civic Link defining pedestrian and cycle spaces with a pattern that is unique to the project. Australian porphyry setts will also be used within the Ribbon. This smaller format creates fine grain texture within the ground plane adjacent to seating, highlighting these zones for gathering. The rougher surface of this stone also assists in creating shore lines for visually impaired users.

Precast concrete panels will be used to create the bridges and bases of custom seating, with a distinct aggregate mix of warm tone stones used to add interest. Seating will be topped with spotted gum timber, adding a warm tactile surface to sit on. Painted steel elements including backrests and handrails will also be incorporated within the custom seating. Tones of earthy red will be used to contrast against the lush green of the planting and provide a sense of warmth to seating areas.



*Granite Paving
Austral Black*



*Granite Paving
Annalyce Gold*



*Porphyry Paving
Australian*



*Precast Concrete
Honed*



Spotted Gum Timber



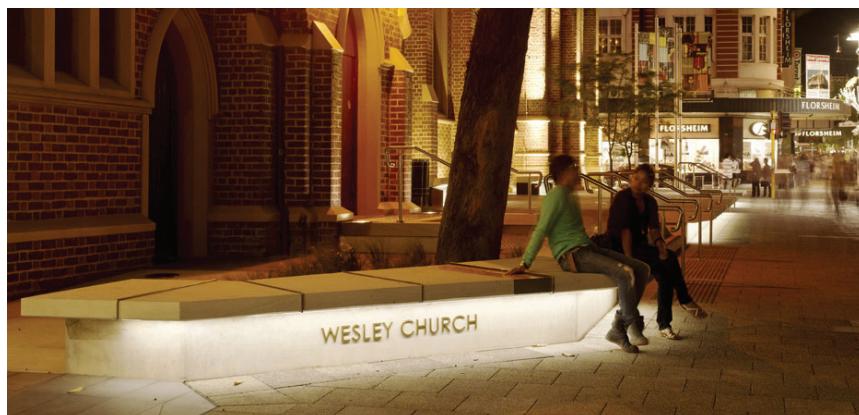
Powdercoated Steel

3.9. LIGHTING + ELECTRICAL

Compliant lighting levels will be achieved throughout Civic Link via multifunction light poles located throughout the spine. These poles will feature multi-head directional luminaires providing lighting to footpaths and the carriageway allowing for safe use of the space during the night. These light poles will feature a customised painted finish in a warm tone to match custom furniture, adding to the welcoming character of the space. These poles will also be equipped with a beacon light at the top of each pole with the ability to change colour during events and festivals. Street lighting to Phillip and George Streets will be provided via Parramatta Council standard light poles with outreach arms to light footpaths and carriageways.

Feature lighting will consist of low level warm toned LED strip lighting integrated within the Ribbon elements. This low level lighting will provide an inviting glow across the ground plane, highlighting the distinct geometries of the ribbon and bridges and creating a warm ambience for nighttime outdoor dining.

Integration of charging stations and event power supply will be provided within Civic Link via multifunction poles and possible wireless charging points integrated within elements of the Ribbon.



Low level integrated LED lighting



Multifunction pole with beacon lighting



Multi-head, directional luminaires



Integrated wireless charger

3.10. THE GREEN SPINE

The planting strategy for Civic Link Block 3 brings much needed urban greening to the heart of the city. The palette responds to the varied solar aspect within the project boundaries incorporating a variety of tree species selected for their unique forms, feature bark seasonal colour and size. Paired with glossy, lush and floral understorey, the green spine provides an enticing, cool and comfortable space for visitors to dwell whilst acknowledging and strengthening cultural connections between landscape, season and Country. The planting proposal for Civic Link Block 3 builds on an existing palette of native and exotic species found throughout Parramatta. This scheme aims to connect to the landscape character of adjacent blocks, and bordering streetscapes, while still creating a distinctive identity for Block 3 that:

- Enhances the overall landscape experience of the city,
- Provides improved environmental comfort for pedestrians and cyclists within and moving through the site,
- Provides opportunities for storytelling and cultural interpretation through significant native plant species,
- Assist with flood management and urban heat impacts through increased permeability and expansion of tree canopy coverage, and
- Provide habitat opportunities for local wildlife.

Feature trees are used at various locations of an appropriate scale, with distinct pattern or colour, and to contrast with surroundings adding visual interest and assisting with wayfinding. Along the boulevard, tree species including *Corymbia citriodora* (Lemon-scented Gum) are used for their grand scale, filtered shade and striking white trunks, while *Brachychiton acerifolius* (Illawarra Flame Tree), exhibits a distinctive form and leaf shape with deciduous foliage and vibrant red flowers are clustered around seating areas, highlighting these pause points and signalling the change of seasons.

Robust understorey species have been selected in response to the climatic conditions of the site with more sun loving plants to be installed towards the southern end of the project where higher solar aspect is achieved. More shade tolerant species are selected for use in the north where denser trees canopies are achieved and shadows from the adjacent Parramatta Powerhouse limit sun exposure. The palette is primarily composed of native species with a focus on colour, form and height. A more structured planting arrangement will be used towards the south of the site in response to the former cultivated farms and gardens that once occupied the area. A less structured approach to planting arrangement will develop in the shadier parts of the site to the north in reference to the once wild landscape that predates the colonial farms and gardens.

Appropriate irrigation will be provided to all planting areas to ensure longevity of planting, particularly in drier periods when rainfall is low.



Corymbia citriodora



Angophora costata



Feature tree/ colour located within green spine



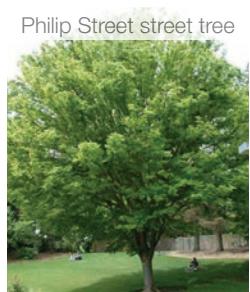
Corymbia maculata



Eucalyptus sideroxylon



Hymenosporum flavum



Zelkova serrata



Alpinia caerulea



Plectranthus argentatus



Baeckea virgata



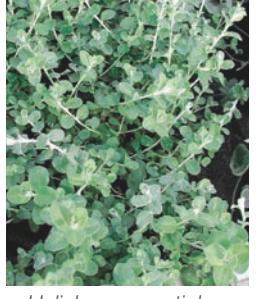
Prostanthera rotundifolia



Westringia fruticosa



Ozothamnus diosmifolius



Helichrysum petiolare



Pelargonium australe



Doodia aspera



Viola hederacea



Libertia paniculata



Ciccas antarctica



Liriope 'Evergreen Giant'



Blechnum nudum



Brachyscome multifida



Patersonia occidentalis



Scaevola 'Purple Fusion'



Dichelachne crinita



Myoporum parvifolium



Ficinia nodosa



Gahnia clarkei



Imperata cylindrica



Lomandra tanika

3.11. FUTURE WORKS

A potential future stage concept was explored during concept design which anticipates full removal of cars from the site completely. The design integrates a continuation of the green spine corridor, canopy and understorey planting with Water Sensitive Urban Design (WSUD) opportunities across the site with potential to connect into neighbouring blocks. The continuation of the green spine will additionally result in the complete removal of vehicle access to Horwood Place with maintenance and service access to be accommodated in the western boulevard. Vehicle access will therefore be restricted to the following:

- NSW Fire and Rescue access to three hydrants located on the site, and
- Endeavour Energy access to two electrical substations on Horwood Place.

The resulting closure of Horwood Place to public vehicle access is dependant on the redesign of circulation outside of the project boundary including redirection of access into and out of the Eat Street Carpark to Erby Place off Phillip Street. Progression of this design does not form part of this project scope of works.



Figure 25. - Civic Link Block 3 Future Works Plan

3.12. INTERPRETATION

Heritage and archaeology consultants Extent Heritage in collaboration with McGregor Coxall and Council have prepared an interpretation strategy to reveal the important themes and stories of the site. A number of interpretive devices are proposed throughout the spine providing the opportunity for a deeper understanding of the site and its heritage. Potential interpretive devices may include:

- Bronze / metal sculptures representing heritage, ecology or culture
- Integration of a custom drinking fountain as an expression of the important role of water to local Dharug community and the sites connection the Parramatta River
- Sculpture / artwork related to the first gaol in Parramatta burnt down through arson.
- Potential story telling through interpretive signage or integrated text within landscape elements.
- QR codes linking to an online story map where further information can be accessed.

Pending finalisation of the interpretation strategy, delivery of each interpretive element may involve the engagement of local artists to further develop the concepts in collaboration with Council and the Dharug Custodian Consultation Panel. Indicative examples of potential interpretive elements are provided below.



Figure 26. - 'Strands' Mika Popov



Figure 27. - 'The Distance of Your Heart' Tracey Emin



Figure 28. - Pirrama Park, Deuce Design



Figure 29. - Custom drinking fountain

4.0 SAFETY AND CRIME PREVENTION

4.1. CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN

In April 2001, the NSW Department of Infrastructure, Planning and Natural Resources (former Department of Urban Affairs and Planning) introduced Crime Prevention Legislative Guidelines to Section 4.15 of the Environmental Planning and Assessment Act, 1979.

In NSW, the guidelines contain two parts. 'Part A details the need for a formal crime risk assessment (Safer By Design Evaluation) to be done in conjunction with trained police, and Part B outlines basic Crime Prevention Through Environmental Design (CPTED) principles and strategies that can be used by consent authorities to justify the modification proposals to minimise risk.' (DUAP 2001:2).

Crime and public safety are critical factors to be considered within the design of new public spaces within Parramatta. The design of Civic Link Block 3, together with the adjoining Block 2 and Block 4, increase pedestrian and cyclist connections throughout the city and to major destinations. Block 3 is activated by these connections as well as multiple seating, outdoor dining and incidental play opportunities that encourages occupation and surveillance of the space.

The design of Civic Link Block 3 has considered Crime Prevention Through Environmental Design (CPTED) principles in order to maximise safety and minimising the opportunity for crime including:

Surveillance

Civic Link Block 3 provides an improved level of natural and technical surveillance through the increase of space for active transport movements and community gathering. In a strategy to improve community safety and minimise opportunity for crime, surveillance throughout the project has been increased through:

- Creating generous and inclusive shared pedestrian / cycle zones that encourage community gathering,
- Improved public amenity including benches, lounges and bar seating that promote outdoor dining and on-street interactions, while increasing dwell times within the space
- Clear sight lines free from obstructions by planting, trees, furniture and built layouts,
- Increased lighting to pedestrian and vehicular zones to improve visibility at night,
- Inclusion of CCTV and other monitoring systems by landowners.

Access Control

To control and minimise opportunities for crime, Civic Link Block 3 will deploy a series of design cues that attract people into the space and increase effort required to commit a crime. Civic Link Block 3 will achieve effective access control by:

- Providing attractive and visible spaces in the landscape that encourage individuals and community to gather – around outdoor dining opportunities and within the garden bridges.
- Clear and legible paths that direct visitors where to circulate safely
- Improved legibility, materiality and amenity through landscape elements such as the 'ribbon' and way finding signage.
- Inclusion of appropriately rated bollards at key locations restricting access by vehicles.

Territorial Re-enforcement

It is important for Civic Link Block 3 together with the adjoining blocks, to instil a sense of community ownership within Parramatta. Crucial to the success of Civic Link, the designs for Block 3 strives to attract and channel pedestrians, cyclists and public activity by:

- Creating generous paving zones that support outdoor trading of local vendors that in turn attracts visitors and encourages people to gather and dwell,
- Design a welcoming character with environmental comfort, universal access and an attractive suite of street furniture that invites people to stay longer,
- Clear cues that indicate activities permitted within a space and who is to use the space such as permissible usage signage,
- Designing spaces to a high quality that promotes usage and instil a sense of guardianship by the local community.

Activity & Space Management

Well used and maintained spaces are less likely to attract crime and vandalism. Attractive public offerings and ongoing management and maintenance of Civic Link Block 3 is important to instil sense of ownership within the space. Activity and space management strategies for Civic Link include:

- Provision of public amenities including a variety of custom furniture and landscape elements that encourage visitation, gathering and outdoor trading,
- Inclusion of a robust and durable materials and finishes palette, consistent with the surrounding Parramatta city palette and maintenance requirements,
- Design of elements that can be easily maintained and sourced if damage occurs and repairs / replacements are required,
- Where applicable, the City of Parramatta suite of furniture is installed to consolidate and coordinate maintenance and repair routines,
- Integration of services that cater for an overlay of events,
- Creating space for outdoor dining and commercial activities within the public domain.

5.0 CONCLUSION

CONCLUSION

Parramatta's Civic Link will build upon the legacy of high quality, pedestrian focused projects already constructed within the City including Parramatta Square, Centenary Square and the Church Street dining precinct. This new axis extends north from the heart of the CBD to the River and will form a new premier public address for Parramatta. This cultural connector will link Parramatta Powerhouse together with existing facilities such as The Roxy Theatre and Phive community hub, further activated by the new metro station located in its centre.

Civic Link Block 3 provides a crucial piece of this puzzle, a generous place for people. The design of Block 3 offers a scale of intimacy not found without other parts of the spine. Together with adjacent retail tenancies Block 3 will become a dining precinct fostered by wide paths and custom furniture that encouraged visitors to dwell. A distinct character is composed through the design of the Ribbon with warm materials and inviting places to gather, rest and play.

The increase of greening within the city centre is a welcome addition, creating new cool and green public spaces that help alleviate the pressures of urban heat. In addition, new lighting will ensure Civic Link Block 3 remains safe and legible throughout day and night. This welcoming, inclusive and functional place will become an important urban destination within the city for generations to come.

LIST OF FIGURES

Figure 1. - Study Area Map	02
Figure 2. - Parramatta 2001 & 2021 Census, Australian Bureau of Statistics	06
Figure 3. - Australian Painting by J.W. Lewin, G.P. Harris and G.W. Evans (1796 - 1809), State Library of NSW	07
Figure 4. - Civic Link Block 3 - Looking North along Western Boulevard, Source McGregor Coxall	09
Figure 5. - Existing Trees. Source: McGregor Coxall	10
Figure 6. - Tree Evaluation Table. Source: Elke Haage Thorvaldson, Consulting Arborist and Landscape Architect.	11
Figure 7. - Civic Link at Block 3, Source: McGregor Coxall	14
Figure 8. - Civic Link Framework Plan, Source: McGregor Coxall	15
Figure 9. - Artists Impression of Civic Link at George Street, Source: SJB Architects	16
Figure 10. - Artists Impression of Parramatta Powerhouse, Source: McGregor Coxall	17
Figure 11. - Civic Link Block 3 Visualisation. Source: McGregor Coxall	19
Figure 12. - Civic Link Block 3 Community Exhibition Plan	23
Figure 13. - Phillip Street Section - Section through the proposed garden beds and Phillip Street carriageway	24
Figure 14. - Design Development plan for Civic Link Block 3 Early works	25
Figure 15. - Phillip Street Section - Section of the proposed loading zone and future works to Phillip Street	25
Figure 16. - Artists Impression of Civic Link Block 3 looking North, Source: McGregor Coxall	26
Figure 17. - Artists Impression of Civic Link Block 3 looking North, Source: McGregor Coxall	27
Figure 18. - Horwood Place North Section - Cross section / Elevational section through Civic Link North and Bridge	29
Figure 19. - Farrer Place. Source: ASPECT	30
Figure 20. - Ketcheson Neighbourhood Park. Source: PWL Partnership Landscape Architects.	30
Figure 21. - Darling Square. Source: HASSELL	30
Figure 22. - Horwood Place North Section - Cross Section / Elevational section through Civic Link North - Play Platforms and Green Spine	31
Figure 23. - Long Section / Elevation west facing section from George Street to Phillip Street	32
Figure 24. - Long Section / Elevation east facing section from Phillip Street to George Street	32
Figure 25. - Civic Link Block 3 Future Works Plan	38
Figure 26. - 'Strands' Mika Popov	39
Figure 27. - 'The Distance of Your Heart' Tracey Emin	39
Figure 28. - Pirrama Park, Deuce Design	39
Figure 29. - Custom drinking Fountain, Piazza Cabbio Switzerland, Enricosassi Architetto	39

