

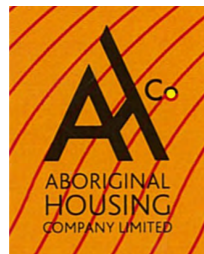


pemulwuy

REDFERN



DA Submission - Public Domain & Landscape



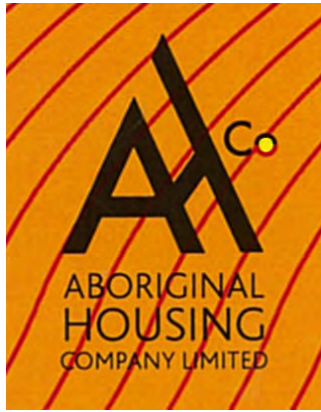
SCAPE

Prepared by :
Submitted to :
On behalf of :

SCAPE
The City of Sydney
Aboriginal Housing Company

9 December 2011

Ref : 20100104 DA 01



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SCAPE

NOTES: This submission focusses on the public domain and landscape elements of the Pemulwuy project.

All architectural content is indicative only.

For architectural detail, please refer to the submission by Nordon Jago under a submission separate cover.

file path :
H:\2010\20100104 Pemulwuy Project, Redfern\Reports\20100104 DA 01.indd

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Executive Summary

SCAPE were engaged in 2010 to develop an integrated landscape and public domain plan for the Pemulwuy Project. The design was to acknowledge the social and cultural heritage of "The Block" and Aboriginal Community whilst creating a robust urban environment with a cultural heart - the meeting place. Re-branding and creating a distinct urban identity for the project was a key objective whilst acknowledging the broader urban context.

The architectural footprint and form (designed by Nordon Jago) was radically altered from the previous scheme submitted for approval. There are 3 buildings with a mix of functional uses, that together define the urban space, circulation patterns and environmental amenity. Active street interfaces are encouraged including residential, commercial, gallery, gymnasium and retail uses.

The architecture and public domain respond to the social plan (A. Pitts and Dr W. Sarkisson, 2001), and Safety Assessment Plan (2007). CEPTED principles have been employed to deliver a considered outcome that is intended for 24 hour public access.

The public domain plan retains 'shared space' between Lawson and Eveleigh Streets as a requirement of the Director General, allowing for 10km/h vehicular access and emergency vehicle egress.

The application of the Pemulwuy branding as an overlay on the ground plane presents a strong design theme that is unique to the project. The inclusion of public art opportunities and symbolic representation of aboriginal history and culture via the display of the flag on the gymnasium facade and a prominent 'hands of reconciliation' column, provide a deep sense of meaning and 'spirit of place'.

Removal of visual and physical barriers created by solid fences is critical to engaging Pemulwuy with the Redfern Railway Station and wider urban context. There have been discussions with Railcorp to investigate and seek 'approval in principle' for the Development Application. This provides a 'land bridge' connection between the station and Pemulwuy site over the existing rail corridor to deliver an optimum urban design outcome. The existing solid masonry wall will be retained along Lawson St returning along the rail corridor interface, except for the section of proposed 'land bridge' across the rail line. Lowering of the watermain along Lawson Street railway bridge has been investigated with Sydney Water and can be accommodated in the forward planning of the public domain.

The enclosed document details the landscape and public domain proposal including the philosophy, material elements and visual character representations.



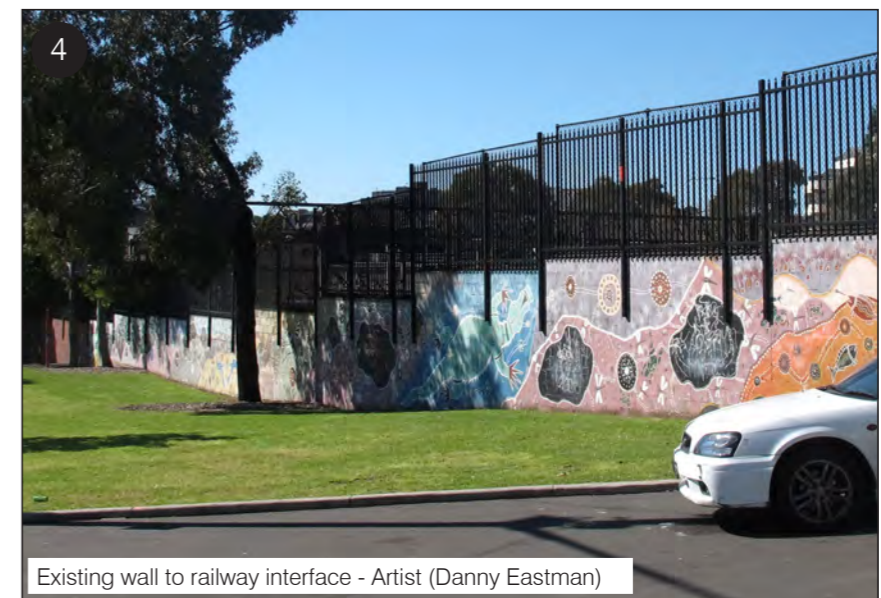
Culturally significant public art - 'Aboriginal Flag / current gymnasium



Visual connection & level change - Eveleigh Street looking towards Lawson Street



Strong connection with Redfern Railway Station



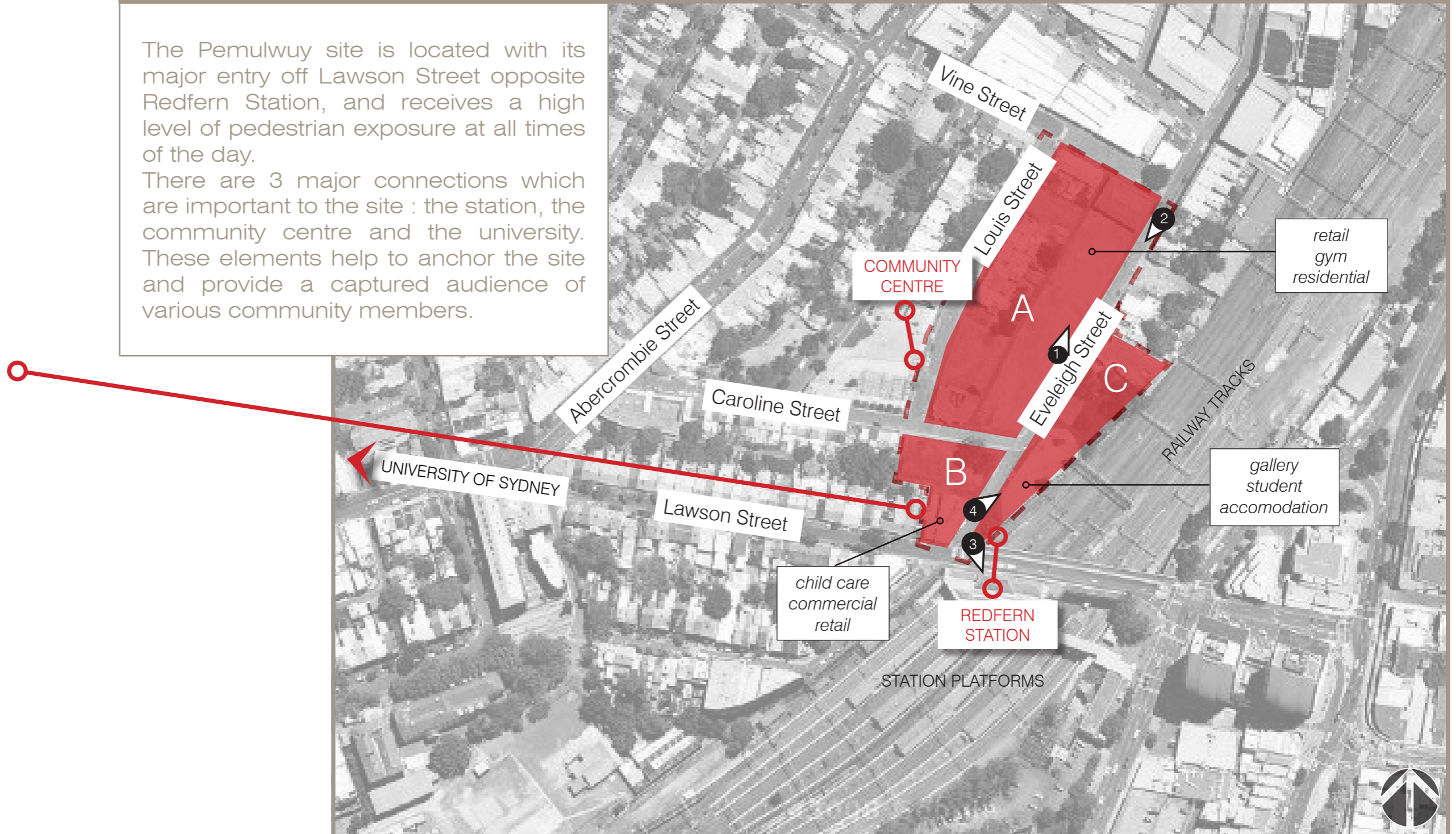
Existing wall to railway interface - Artist (Danny Eastman)



Site Context & Existing Connections

The Pemulwuy site is located with its major entry off Lawson Street opposite Redfern Station, and receives a high level of pedestrian exposure at all times of the day.

There are 3 major connections which are important to the site : the station, the community centre and the university. These elements help to anchor the site and provide a captured audience of various community members.





The Pemulwuy Design

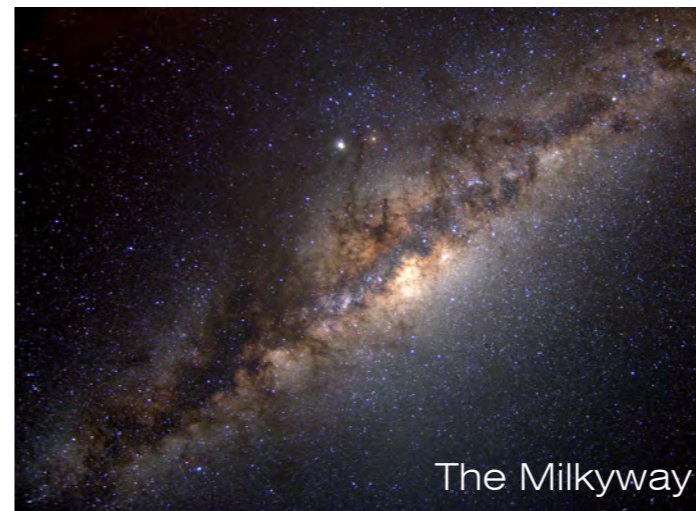


The “Pemulwuy” project is named after the heroic Aboriginal warrior - one of the earliest Aboriginal men to lead in the resistance of British invasion of Sydney.

The design considers:

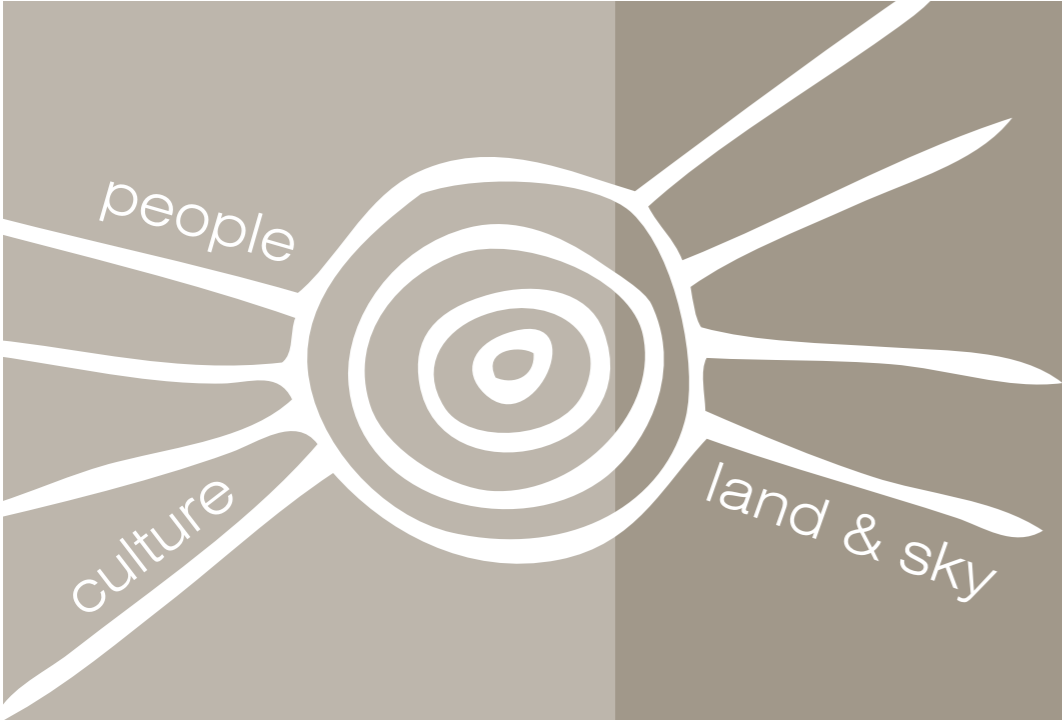
- Symbolism
- Lighting
- Safety Through Surveillance
- Artwork
- Street Tree Planting
- Plant Selection
- Pedestrian and Vehicular Movement
- Material Selection and Elements
- Sustainability

These elements are shown in more detail in the following pages.



The Milkyway

source: www.dartis.isas.ac.jp



PEMULWUY SYMBOLISM.

The “Pemulwuy” project is named after the heroic Aboriginal warrior - one of the earliest Aboriginal men to lead in the resistance of British invasion of Sydney.

A rich history of use and Aboriginal interpretation on the land, has had a strong influence on the design of the proposed public domain. Pemulwuy (Redfern) is intended to be a meeting place for people, culture, land and sky. The use of the Aboriginal symbol for “meeting place”, draped over the sloping topography of the site, provides both cultural significance, as well as a visual cue, focusing attention centrally in the space.

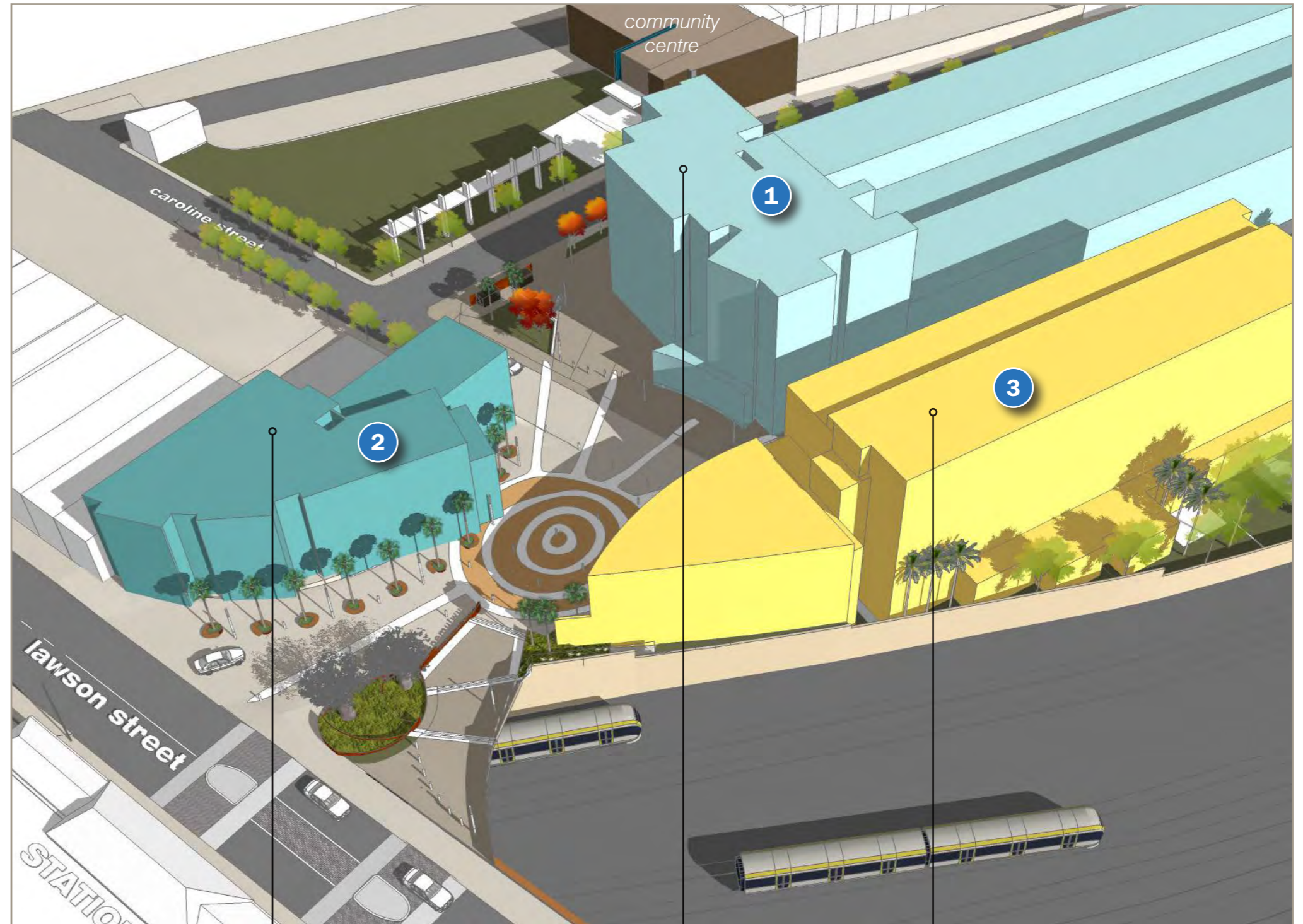
It is proposed that the famous Aboriginal flag artwork (on the exterior wall of the existing gymnasium) by Alex Tui, be reinterpreted in the new design as a feature element, which remains an iconic symbol of the ‘meeting’ space. The glass frontage of the new gymnasium, facing directly into the meeting place, will provide an opportunity to reinstate the artwork as a transparent photographic film over the glass panelling. The permeability of this method promotes visual connection between the interior gym space and the exterior public domain.





pemulwuy

BUILDING LAYOUT



childcare
commercial
retail

retail (ground floor)
gym
residential

student
accommodation
gallery

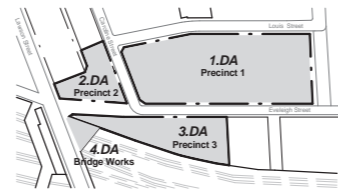
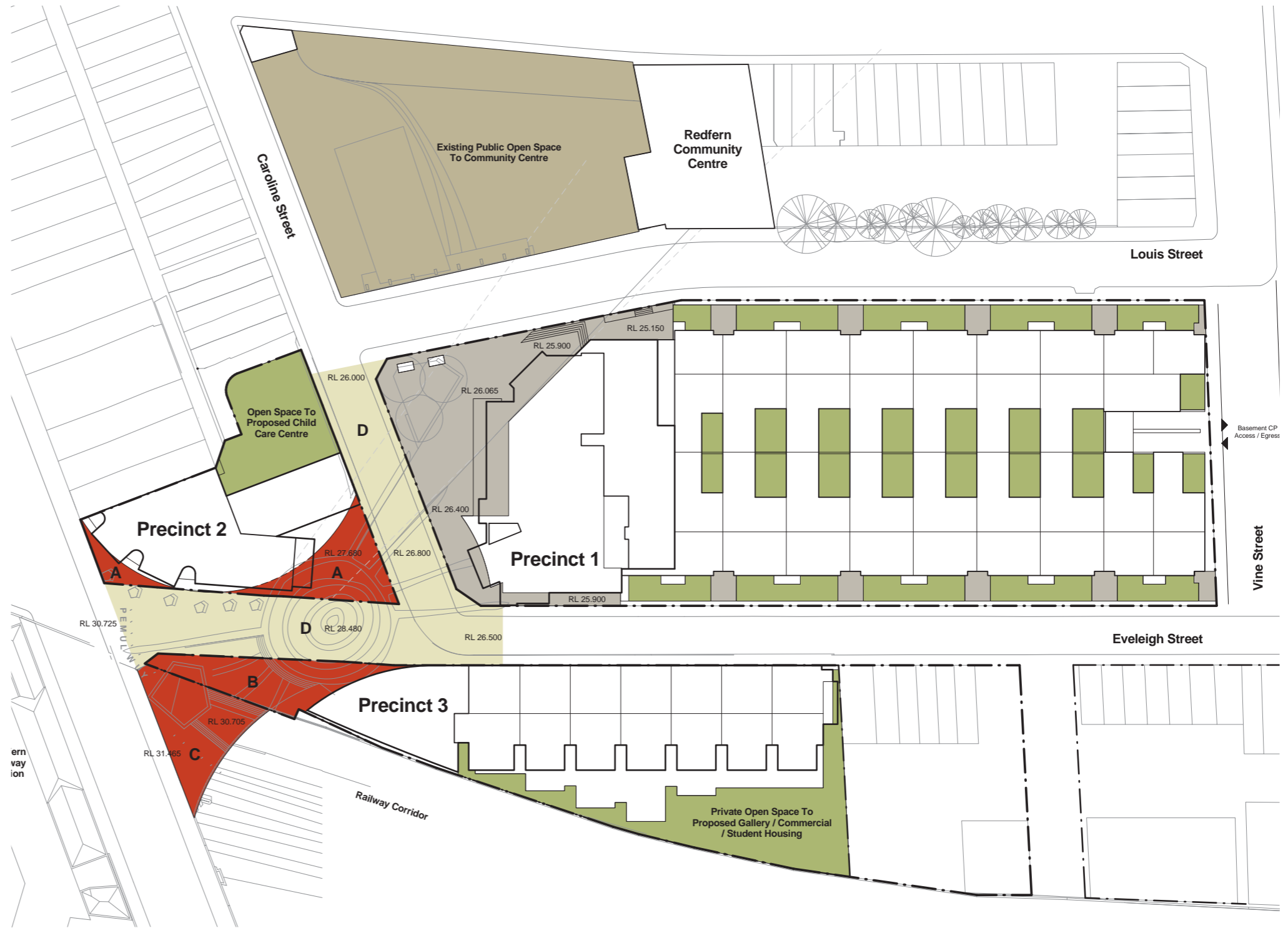


*Building 2
commercial
childcare
retail*

*Building 1
retail (ground floor)
residential
gym*

*Building 3
student accomodation
gallery*

PUBLIC SPACE PLAN



Zone A	Precinct 2 Public Domain Area	235 sqm
Zone B	Precinct 3 Public Domain Area	230 sqm
Zone C	Proposed New Bridge Widening	235 sqm
Total		700 sqm
Zone D	Eveleigh & Caroline Street Works	1185 sqm (Approx)

Note:
RL's Indicated To Public Domain Areas Are
Approximate Only

Legend Public / Private Open Space	
	Denotes Public Open Space Owned By AHC.
	Denotes Land Given To City Of Sydney By AHC.
	Denotes Roadways Owned By City Of Sydney
	Denotes Public Open Space Owned By City Of Sydney
	Denotes Private Open Space Owned By AHC.



LEGEND

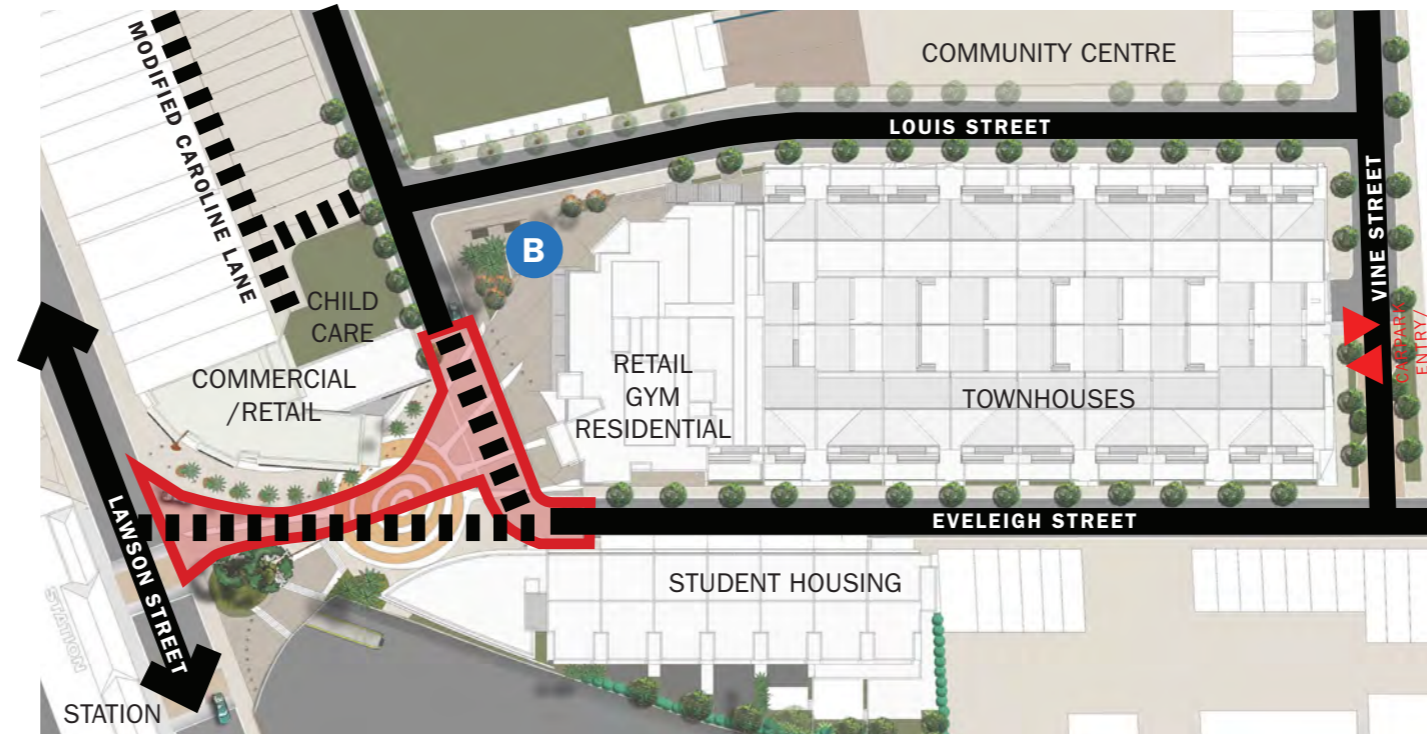
- - - - - ➔ Vehicular Movement
- ⋯⋯⋯ Pedestrian Movement
- ⋯⋯⋯ Disabled Access
- - - - - ↔ Cyclist Movement

CIRCULATION PLAN.


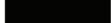



The urban treatment of the circulation spaces is to create a seamless transition through a consistent materials palette and surfaces treatment that reinforces the public domain as a ‘special’ zone defined through it’s symbolism of the urban graphics of the ‘meeting place’. The ‘shared space’ is to be clearly signed as a 10km|hr Share Zone. The physical form of the urban elements defines the vehicular movement zone. The intent is that the ultimate solution is a one way emergency vehicle only access, from Lawson to Eveleigh street.



CIRCULATION



LEGEND

-  Carpark Entry / Exit
-  Existing primary vehicular road network
-  Low speed vehicular movement zone
-  Share-way 10km/hr Zone
-  Bicycle parking

SHARE ZONE TRAVEL PATH

CIRCULATION.

Pedestrian

Pemulwuy is designed to give pedestrians priority over vehicles. The entry approach over the railway corridor forms a strong connection to Redfern Railway Station and the Redfern Community Centre with a visual spine connection preserved in the site planning and reinforced through the architectural setback and form. The streetscape will be upgraded with street tree amenity and pavement systems as defined by the City of Sydney for Louis, Vine and Eveleigh Streets. The proposed 'triangular' cover over the rail corridor (being negotiated with Railcorp) and modification of the existing visual barrier imposed by the 1.8m masonry wall to Lawson St | Eveleigh St corner is a significant investment in visually and physical connectivity of the Pemulwuy Project to Redfern Station.

Disability Access

Current gradients on the site do not comply with DDA requirements. Pemulwuy is designed to address these issues by complying with maximum crossfall gradients and disability access into buildings.

Vehicular

Vehicular access easement is maintained from Lawson Street to Eveleigh Street by means of a 10Km 'Shared Zone'. Vehicular movement is controlled through this zone by bollards and fixed elements to control the circulation route. Access from Caroline Street to Eveleigh St is promoted as a low speed shared zone with transition from a bitumen road surface to a contrast concrete pavement. Appropriate signage will reinforce the Shareway zone. Pavement systems will be designed to suit vehicular loads and will be sealed to minimise maintenance.

The primary vehicular carpark access to the residential | carpark is nominated on Vine Street to minimise car movement through the urban plaza space. Refer to traffic engineers report for further information.

Cycle Access

The site is served by the surrounding cycle network. Cycle parking amenity is provided associated with building 1 (retail | gym | residential) forecourt.



Transition Space - Railway

Land bridge, Entry Stairs and Glass Balustrade with Artwork

- sweeping entry promotes visual openness
- provides safe pedestrian entry from Lawson Street into Pemulwuy
- glass balustrade allows for visual permeability turtles artwork appropriate to Aboriginal culture and AHC - logo - leading the next generation into the future

Identifying Entry Signage

Introduction to Pemulwuy as a recognised place

- visible from entrance on Lawson Street
- corten material
- leads into the space and identifies as a place

Custom Planter Design

Shape and materials

- organic form and material use
- corten and timber
- livistona palm tree planting with native grass selection

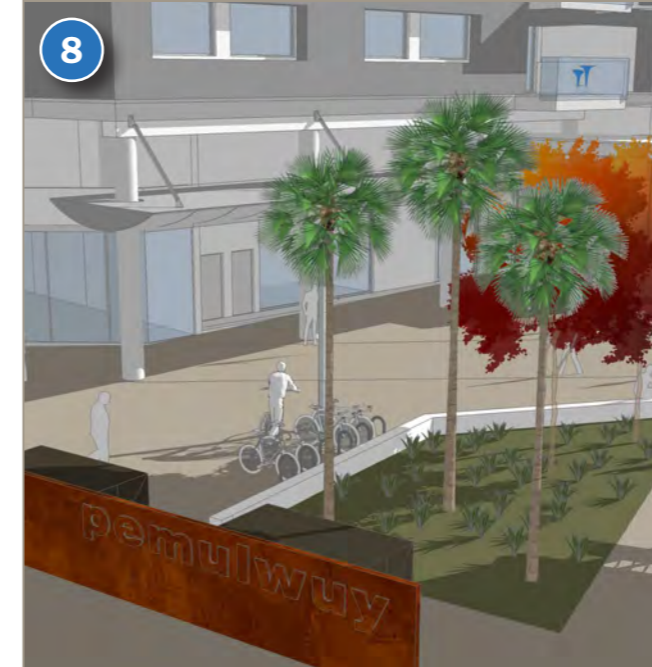
Column Artwork

Custom designs for Pemulwuy

- artwork to column in acknowledge reconciliation process

Flag pole

- in prominent position visible from site
- above Aboriginal Housing Company



The Meeting Place

Centre of public domain represented in urban graphic

- concentric circles representing 'the meeting place'
- soft shapes, natural form, emerging from the earth
- public domain elements: bollards

Artwork to Gym Frontage - Identifying Element

Reinstating an already iconic symbol to retain historic connection

- a photograph of the existing gymnasium wall artwork to be reinstated on the new gym facade as a reminder of the history of place and connection with future generations

Break Out Space

Formal meeting and seating space

- Introduction of green space with seating element, cycle parking provision and screening sign element to the electrical kiosk elements
- Transplant Livistona palms

Child care wall

'The wall of aboriginal nations'

- tribal association artwork to western facade as an educational element within the play space
- the detailed design of the child care outdoor space to future applications

SAFETY THROUGH SURVEILLANCE

An uninterrupted view corridor has been maintained, connecting Redfern Station with the Community Centre, and provides a greater level of safety through passive surveillance. The low speed, shared vehicular and pedestrian zone, further activates the space, allowing car movement from Lawson Street through to Eveleigh Street and beyond.

A section of space bridging the existing rail corridor is to be claimed as new public area, in order to resolve the existing 'bottle neck' entry to the site, optimise the arrival experience and to enhance the connection with Redfern station.

The solid 1.8m high brick wall that currently runs along Lawson Street towards the entrance to Pemulwuy, will be replaced with a permeable wall, thus changing the dynamic of an existing visual barrier into a positive visual connection into the site. An Aboriginal artwork depicting a family of travelling turtles will be added to the new wall, enticing visitors into the Pemulwuy space and telling a story of movement towards a better future.

The design address recommendations given in the 'Safety Assessment of the Pemulwuy Project' prepared for the AHC. Principles of Crime Prevention Through Environmental Design (CEPTED) have been adopted namely in the form of:

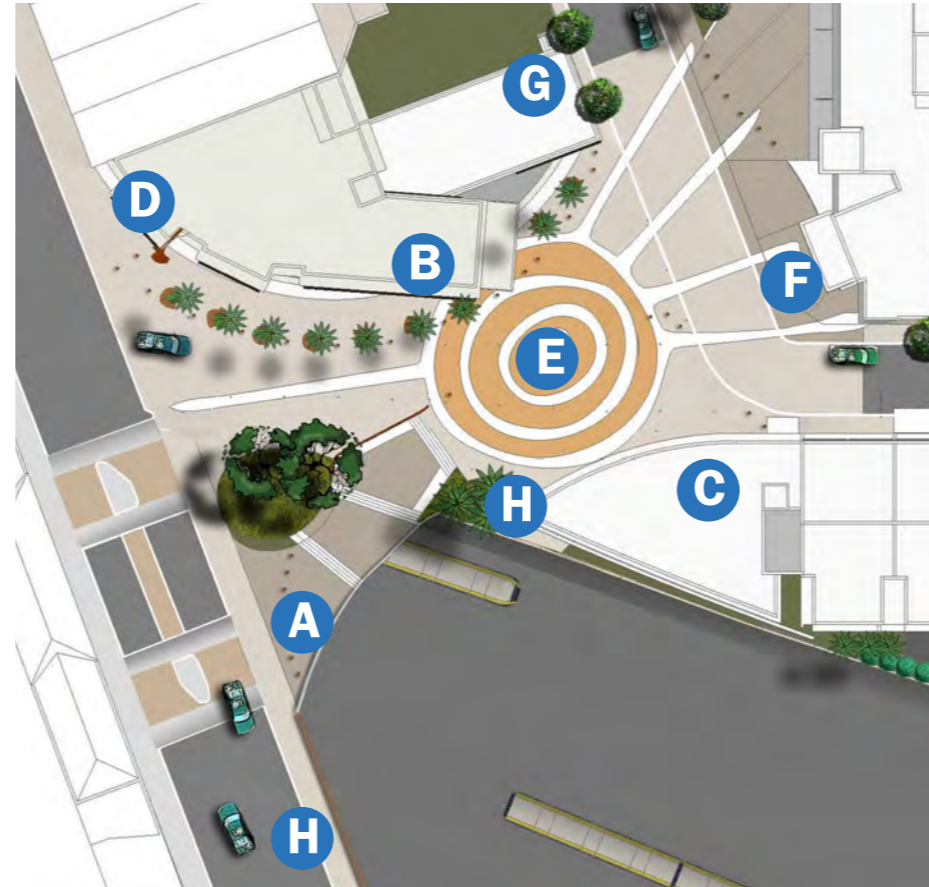
- Providing public and private space in order to promote a sense of ownership and foster a secure people orientated environment;
- Maximising natural surveillance so that users feel safe at all times;
- Improving traffic and street circulation;
- Locating facilities in highly visible areas with high levels of activity;
- Integration with the surrounding area and contribution to an active pedestrian-orientated environment;
- Active frontages sited around public space; and
- Passive surveillance from over looking balconies within accommodation units.



REMOVAL OF EXISTING MASONRY WALL TO OPEN UP PERMEABILITY BETWEEN RAILWAY AND COMMUNITY CENTRE.



BREAK-OUT SPACE ASSOCIATED WITH THE FORECOURT TO BUILDING 1



COMMUNITY ARTWORK ELEMENTS.

- A** Turtle Wall
- B** The hands of reconciliation
- C** Art gallery
- D** Flag pole
- E** 'The Meeting Place'
- F** Gymnasium - Aboriginal flag
- G** The wall of Aboriginal Nations
- H** Existing wall to railway interface

CULTURAL SYMBOLISM.

The project is deeply symbolic of the urban Redfern aboriginal communities association with the land, imparting inter-generational knowledge and journey that has shaped 'The Block.'

The proposed urban design, graphic symbolism; of the 'meeting place' overlaid on the urban landscape and specific elements are deeply rooted in the urban culture.

Each interpretive element is a reminder of the past journey, however more importantly for the journey ahead. The elements are an integral part of the architecture and urban footprint with all but one, located within private property under the care of the Aboriginal Housing Company as custodians for the community.

Curatorial Panel

The Aboriginal Housing Company has engaged Merran Morrison to work with them, or as a peer reviewer on the detailed design and implementation of the cultural works. The intent has been to integrate the elements with architectural systems, facade, columns, and the like.



Turtle Wall
Balustrade treatment integral with new railway land bridge.



'The Hands of Reconciliation'

A metal cladding to a focal architectural column supported by internal illumination.



Gallery
Music and cultural interpretation.



Existing building mounted pole



Aboriginal flag pole

The pole form is integrated with the architectural facade | column treatment and replaces the existing building mounted pole. The flag pole structure is extruded from the earth, expressed in the twisted form and earthen ochre colours. The founders associated with the AHC will be cast into the base of the column.

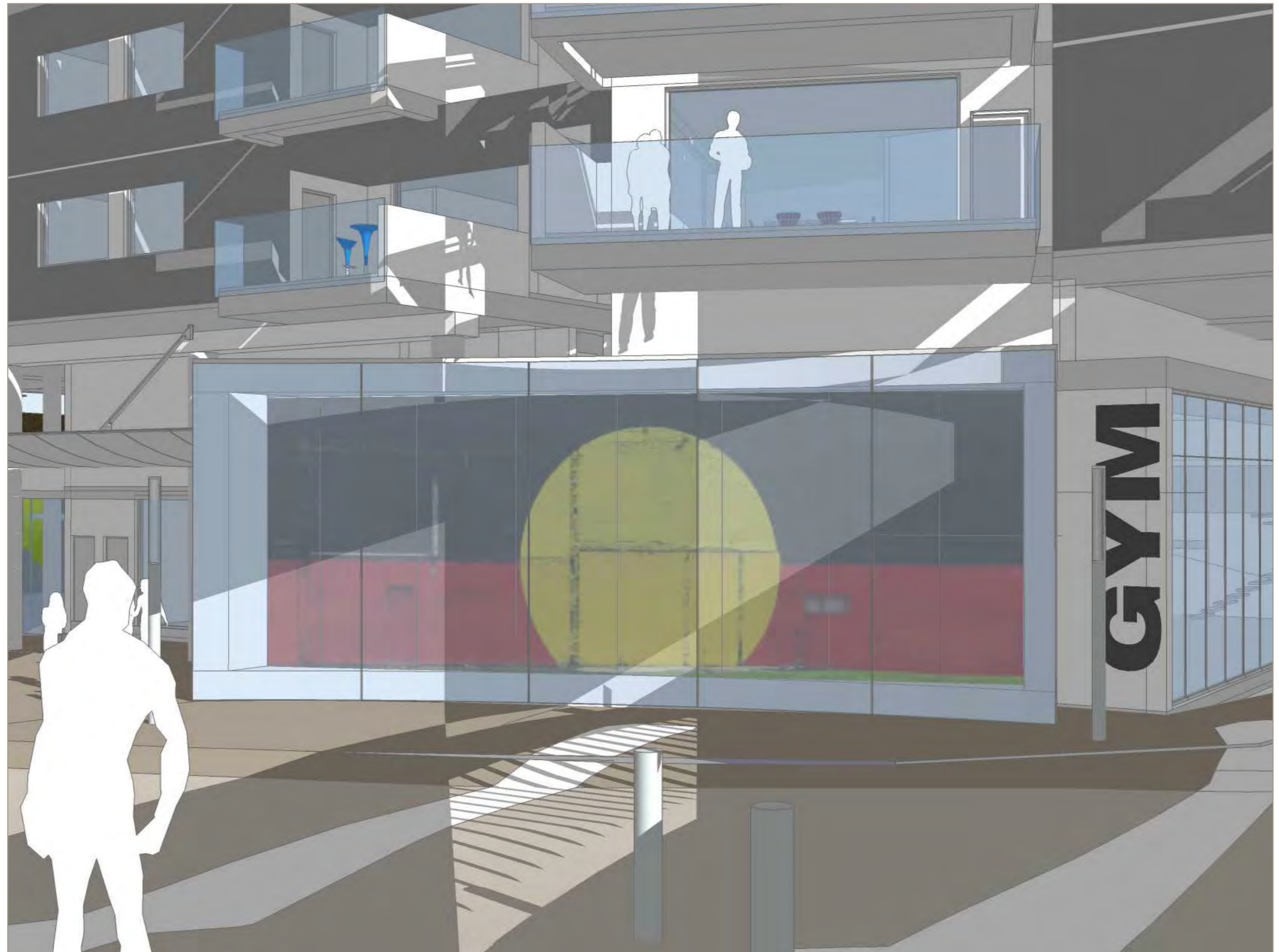


'The Meeting Place'

A graphic overlay of concentric rings representing the centre is a symbolic interpretation of the meeting place, with radiating lines drawing connections to the land, sun, and people entering and leaving the space. The graphic is transposed onto the ground plane representing the 'heart' meeting place of Pemulwuy.



Existing flag painted on gym



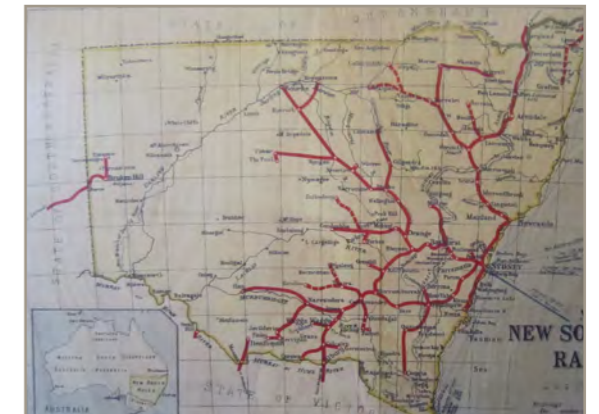
Gymnasium - Aboriginal flag

The flag is deeply symbolic and an internationally recognised aboriginal association with 'The Block'. A symbol of strength for the future painted on the original gym. The flag will be photographically recorded and expressed as a facade treatment to the new gymnasium at the heart of the site.



The wall of Aboriginal Nations

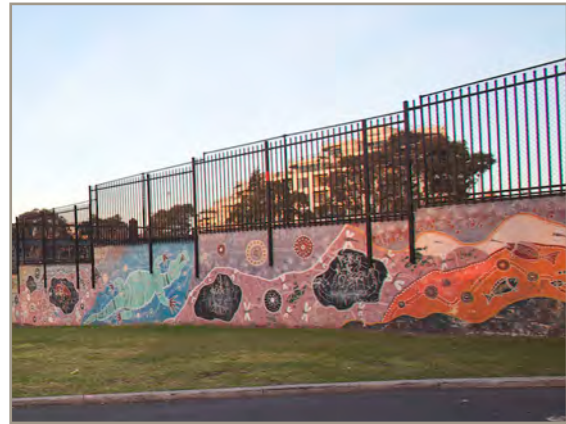
Located on the western facade of Building 2. Facing the child care play space is a living map of the Aboriginal Nations of NSW in contextual association with Australia transending federation and state boundaries.



Map of Aboriginal Nations, NSW



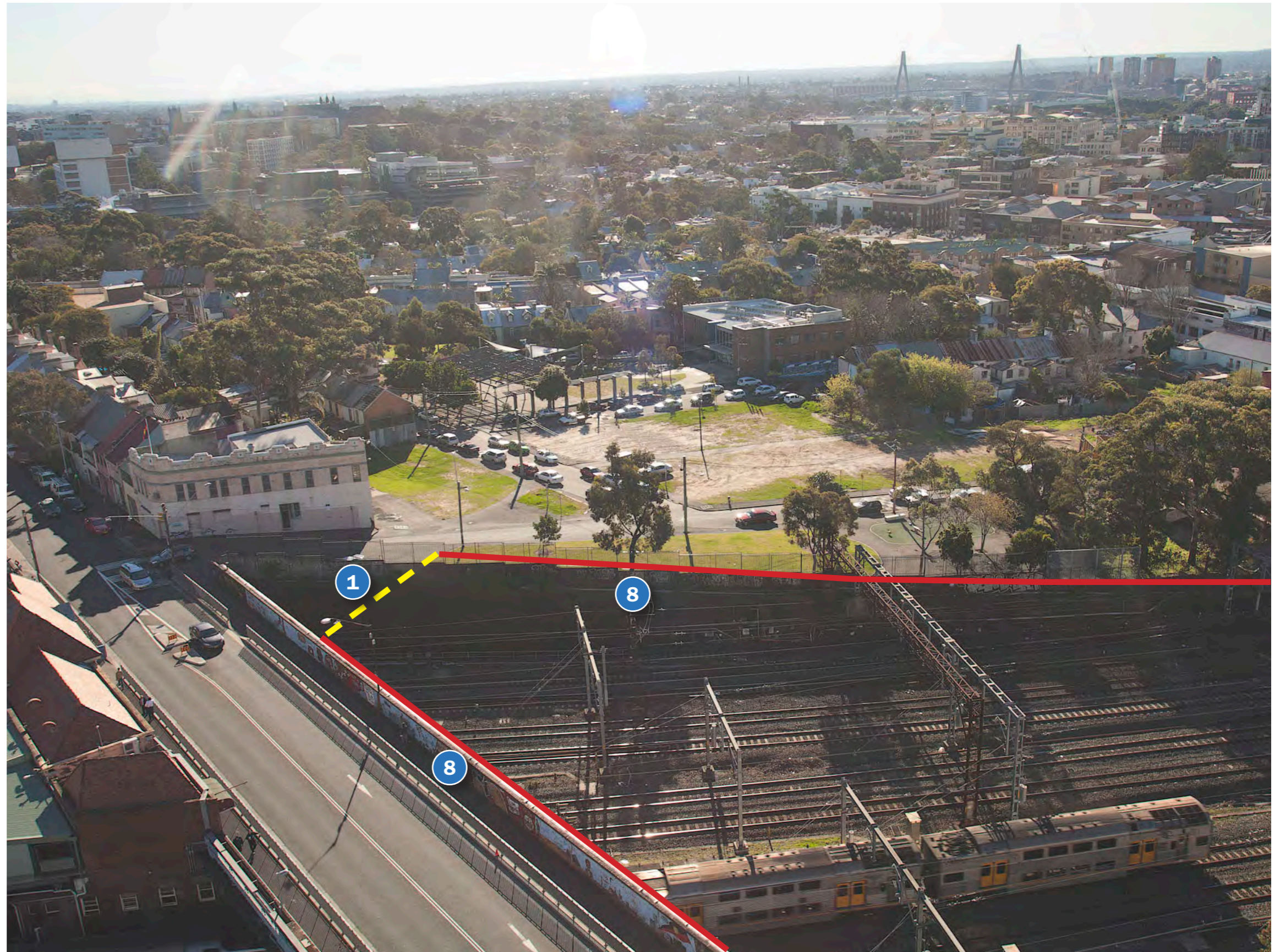
Map of Aboriginal Nations, Australia



Eveleigh St



Lawson St



Existing wall to railway interface - Artist (Dan Eastwood)

Sections of the existing wall are to be retained and touched up by the original artist before the completion of the project. The new Turtle Wall (1) will be introduced in the land bridge section between the remaining masonry wall sections.



TREE MANAGEMENT.

Response to the Director General's requirements for the Pemulwuy Concept Plan Modification

Condition 9 - Landscaping and Tree Removal

The new concept plan significantly modifies the residential footprint and architectural typology anticipated in the original plans and landscape master plan Drawing No. CA13 (October 2007). Within the residential product (Precinct One) the new architectural layout focuses on orientating apartments to maximise street addresses fronting Louis and Eveleigh Streets. Removing blind spots and increasing passive street surveillance are primary objectives along with minimising vehicular movements to controlled access points.

The urban form is characterised by residential two storey town houses with small outdoor spaces orientated to the rear of the house with a rear service access lane. In the new scheme the lane will be removed with the new development proposal.

The new landscape treatments will reflect the landscape principles established in the former plan, where applicable, including new native street trees and a predominantly native landscape planting character. It is proposed to relocate a group of three Livistonia palms within the new landscape and to introduce the dominant form of the native "Bottle Tree" as a defining landscape element in the urban landscape.

The adjoining Tree Management Plan has been prepared indicating the tree removal as part of the overall development proposal.

TREE MANAGEMENT PLAN



1 Damage trees 2 Relocate Livistona Palms 3 4 Remove trees 5 Remove trees 6 Remove trees 7 Replace existing street tree

PLANT SELECTION



STREET TREE PLANTING.

Existing Planting

- Eveleigh Street

Currently there are no existing trees along Eveleigh Street, one tree does exist on the intersection with Vine Street.

- Caroline Street

Recently planted Cupaniopsis trees exist in front of the open space that is adjacent to the community centre.

- Louis Street

New Lily Pily street tree planting has been introduced to Louis Street as per the City of Sydney Street Tree Masterplan.

Proposed Planting

The provision of shade and heat control is of utmost importance to any public domain design and Pemulwuy is no different. Biodiversity in urban spaces can be achieved with the introduction of street trees.

It is intended that new street tree planting be introduced to Eveleigh Street, however due to the narrow road corridor (currently 5.5m) this is only possible on the western side of the street. Both Caroline Street and Louis Street will have further tree planting to strengthen and continue the exiting landscape corridor. Trees species include Syzygium, Tristaniopsis and Cupaniopsis as per City of Sydney Street Tree Masterplan.

PLANT SELECTION.

Plant selection has been based on traditional aboriginal sources of food and materials. Feature planting, such as the bottle tree, provide sculptural interest as well as cultural significance - the stems and roots of this tree were an important food source for aboriginal communities.

Plant selection will incorporate low maintenance and low water use species and where practical harvest rainwater will be used for establishment irrigation.



Brachychiton rupestris - specimen transplant at Kellyville, NSW.

ABORIGINAL PLANT USE & MEANING

Lilly Pilly (*Syzygium paniculatum*)

Local Aboriginal name : Daguba

The sweet fleshy fruit of many different types of lilly pilly were eaten raw by the Cadigal and the early colonists. In fact, the lilly pilly was one of the first edible plants to be noted during Captain Cook's visit to Australia in 1770. The colonists also made the fruit into jams and summer drinks.

www.rbg Syd.nsw.gov.au

Grevillea Poorinda (*laurifolia*)

Local Aboriginal name : unknown

Local endemic plant.

Cabbage Tree Palm (*Livistona australis*)

Local Aboriginal name : Bujor

The growing tip, known as a 'cabbage', was eaten either uncooked or roasted by Aborigines and early settlers. Unfortunately this killed the tree. Cabbage palms were once common in the Sydney area, but their numbers have been greatly reduced.

www.rbg Syd.nsw.gov.au

Spiny-headed Mat-rush (*Lomandra longifolia*)

Local Aboriginal name : unknown

Lomandra's tough leaves were dried, split and braided to make bags and baskets. The plant also provided the Cadigal with seeds which were ground into a flour to make cakes. The tender leaf bases were eaten and have a pea-like flavour.

www.rbg Syd.nsw.gov.au

Grass-tree (*Xanthorrhoea resinifera*)

Local Aboriginal name : Gul-gad-ya

The Cadigal made use of every part of the grass-tree. The stem of the flower spike was used for spear shafts and for making fire, and the plant's resin was used as a powerful glue. Nectar from grass-tree flowers was a high-energy food.

www.rbg Syd.nsw.gov.au

Blue Flax Lily (*Dianella caerulea*)

Local Aboriginal name : unknown

The blue fruits of the Dianella were eaten raw by the Cadigal. They have a sweet flavour, which becomes nutty once the seeds are chewed. Its leaves were used to make a strong fibre.

www.rbg Syd.nsw.gov.au

Boab Tree (*Adansonia gregorii*)

Every boab tree is unique. They have character and personality as you would expect of such an ancient creature. Some individual boab trees are 1500 years old and older, which makes them the oldest living beings in Australia, and puts them amongst the oldest in the world.

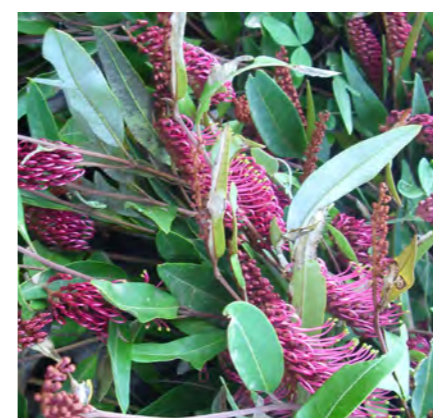
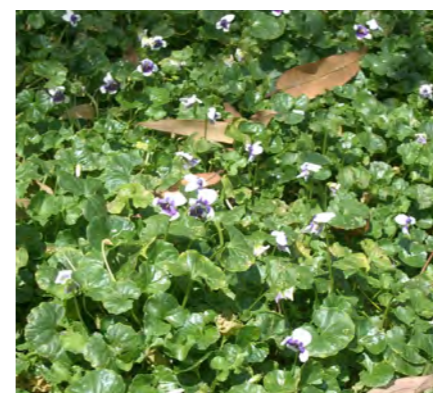
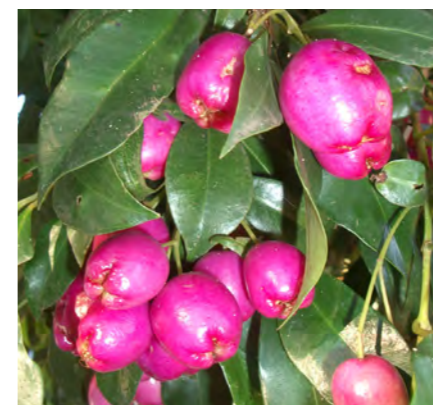
Aborigines used the giants as shelter, food and medicine. For the white settlers they served as easily recognisable land marks and meeting points, and not to forget as impromptu prison cells.

http://www.outback-australia-travel-secrets.com/boab_tree.html

Ivy-leaf Violet (*Viola hederacea*)

Local Aboriginal name : unknown

Native bush food - the flowers can be used in salads.

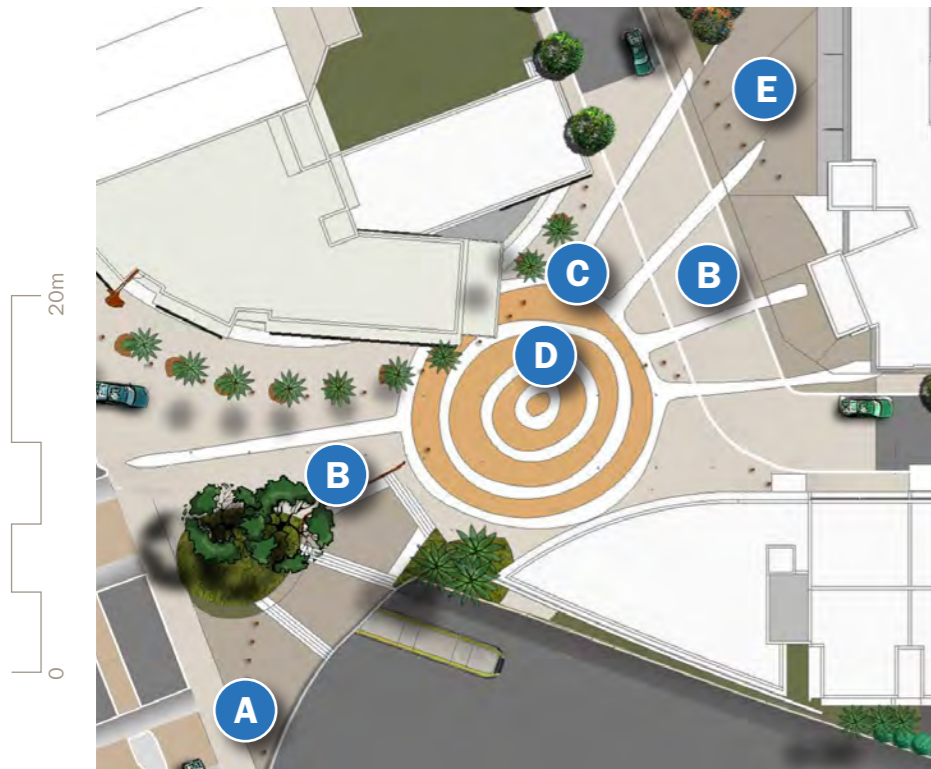


PROPOSED NATVIE PLANT PALETTE

BOTANICAL NAME	COMMON NAME	EST. MATURE HEIGHT
TREES		
<i>Brachychiton acerifolia</i>	Illawara Flame Tree	8 - 10m
<i>Brachychiton rupestris</i>	Bottle Tree	10 - 15m
<i>Cupaniopsis anacardioides</i>	Tuckeroo	8 - 10m
<i>Syzygium leuhmannii</i>	Lilly Pilly	15m
<i>Tristaniopsis laurina</i>	Water Gum	10 - 12m
PALMS		
<i>Livistona australis</i>	Cabbage Tree Palm	25 - 30m
SHRUBS & GROUNDCOVERS		
<i>Banksia ericifolia</i>	Heath Banksia	2-3m
<i>Callistemon 'Western Glory'</i>	Crimson Bottle Brush	2.0m
<i>Dianella caerulea</i>	Blue Flax Lily	0.5m
<i>Dianella 'Silver Streak'</i>	Silver Streak	0.4m
<i>Doryanthes excelsa</i>	Gynea Lilly	2.0m+
<i>Grevillea 'Honey Gem'</i>	Grevillea	4m
<i>Grevillea 'Misty Pink'</i>	Grevillea	3m
<i>Lomandra katrinus</i>	Weeping Matt rush	0.7m
<i>Lomandra 'Tanika'</i>	Fine Leaf Matt Rush	0.7m
<i>Syzygium 'Blaze'</i>	Lilly Pilly	1.2m
<i>Viola hederaceae</i>	Native Violet	0.2m
<i>Xanthorrhoea</i>	Grass-tree	1.5m

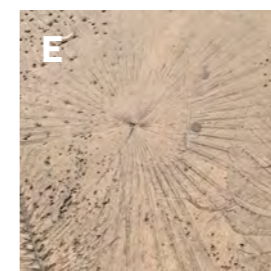


MATERIALS



PAVEMENT SYSTEMS.

- All pavements defined in the 'share way' are to be constructed to structural standard appropriate for vehicular and emergency vehicles.
- Pavements on the railway 'land bridge' will be an integral system of modular pavers set on a concrete base to delineate it from the share zone - this is a pedestrian only zone.
- Concrete used in trafficable areas will be minimum 32 Grade to engineers detail and full depth oxide additive. Pavements will be sealed to minimise car tyre marking and allow for ease of cleaning.
- Beyond the public space, road verges will be a bitumen pavement in accordance with the City of Sydney guidelines.



AREA	MATERIAL	COLOUR	FINISH	NOMINAL SIZE
A	NATURAL STONE PAVER	GREY	EXFOLIATED	600 x 400mm
B	OXIDE CONCRETE	BROWN	EXPOSED AGGREGATE	INSITU
C	CONCRETE	OFF WHITE	SHOT BLAST	INSITU
D	OXIDE CONCRETE	DESERT SAND (CCS)	BRUSHED	INSITU
E	OXIDE CONCRETE	BROWN (CLS)	TEXTURED SALT PATTERN	INSITU



MATERIAL SELECTION AND ELEMENTS.

A palette of robust natural coloured ground materials enhances the relationship with the land. The materials and public domain elements are unique in defining the Pemulwuy project while acknowledging the City of Sydney and RTA integration.

The Pemulwuy pattern in the centre of the space will be created using oxide coloured concrete. Modular unit stone paving will be used in the remainder of the shared zone.

Planters and seating features combine corten metal and timber elements, creating an interesting contrast of hard and soft. Corten is used as a reference to the colour of the red earth and emerges in the shapes of walls and structural columns.

Softly sculpted precast concrete seats pop up from the ground plane, providing visitors a place of rest and used also to control vehicular traffic in conjunction with bespoke Pemulwuy bollards.

MATERIALS AND CONSTRUCTION

Natural stone will be sourced from Australian sources and laid on a rigid concrete base with full depth mortar joints. The construction in the shared zone will be suitable for both pedestrian and vehicular traffic.

Lifecycle

All stone surfaces will be sealed to increase lifecycle, resistance to dirt and making them easier to clean graffiti.

Road Construction

The entry and exit condition to Pemulwuy from both Caroline and Eveleigh Street will be treated in the same way. A raised transition between a bitumen surface and paved surface will occur which will act as a means of delineating the shared zone. In areas of vehicular traffic a smaller paver unit will be used to prevent cracking of paving due to turning forces.

Stormwater

Is it intended that the existing stormwater provision is maintained, subject to a hydraulic engineering assessment.

FURNITURE

ELEMENTS.

It is recognised that the Pemulwuy project presents an opportunity to reinforce the cultural space through its design, interpretation and urban elements drawing upon a local palette of materials to express the design. However, there are fundamental considerations including pedestrian | vehicle definition, lighting, personal safety, equity of access, signage and seating amenity in a 24|7 space.

Walls | Retaining elements:

Use of corten and off-form concrete to effect curve | linear forms housing raised planters and spatial definition. The detailed design of planters will apply proven soil mixes appropriate to the plant | tree palette with drainage and pea gravel mulch treatments. Anti-graffiti coatings will be applied to face surfaces.

Vehicular and Pedestrian control: bollards

The combination of the planter design, level transitions, palm planters and bollards define the vehicular circulation in a 10km shared zone. A combination of standard City of Sydney bollards and 10mm plate coreten bollard blades are proposed with concealed inground | slab fixtures. Where appropriate removeable bollards will be integrated into the design.

Seating amenity:

Seating is to be controlled through three landscape seating provisions.

- a. Palm planters - Building 2 interface
- b. Off form concrete seating - Building 1 Breakout space
- c. Curved granite | sandstone block semi circular seating associated with the meeting place.

All are located with good passive surveillance to avoid anti social congregation with good lighting provisions.

Cycle racks:

As per the City of Sydney standard located adjacent Building 1 Breakout space.

Grated Drain Covers: stainless steel 'heel guard'.

Signage:

Public domain vandal resistant, laser cut coreten with anti graffiti coating. Street City of Sydney | RTA standard street signs.

Regulatory signage: Shareway signage, permissible uses and the like will be in accordance with City of Sydney | RTA guidelines.

Handrails: stainless steel | coreten

Tactiles: refer pavements

Fencing | Screen systems:

- a. Private - black tubular metal system with lockable gate
- b. Childcare - metal tubular fencing 1500HT integrated with child care play space and control point requirements. Colour: black.
- c. Railway interface - Building 3
 - i. The intent is to retain the existing masonry wall structure as a visual and noise barrier to the railway corridor. Where necessary pallisade black metal fencing will be installed to match the existing to secure the site.
 - ii. The existing brick wall to Lawson Street railway will be retained to the new intersection of the 'land bridge' extension. The 'turtle wall' artwork is proposed with a toughened glazed screen treatment to 1800HT to marry the brick wall height.
- d.) Apartments: Architectural walls integrating coreten steel with masonry and infill metal tubular systems.
- e.) Kiosk transformers - Pemulwuy coreten screen element:

A 1500mm HT coreten metal screen element is proposed to a.) screen the electrical kiosks and b) provide a name sign to the precinct located on private property. The position of the sign | screen wall will recognised blast zone criteria setbacks and emergency access.

EXISTING LIGHTING.

Current lighting provision within the area is low. Serviced primarily via telegraph pole mounted street lights.

OBJECTIVE.

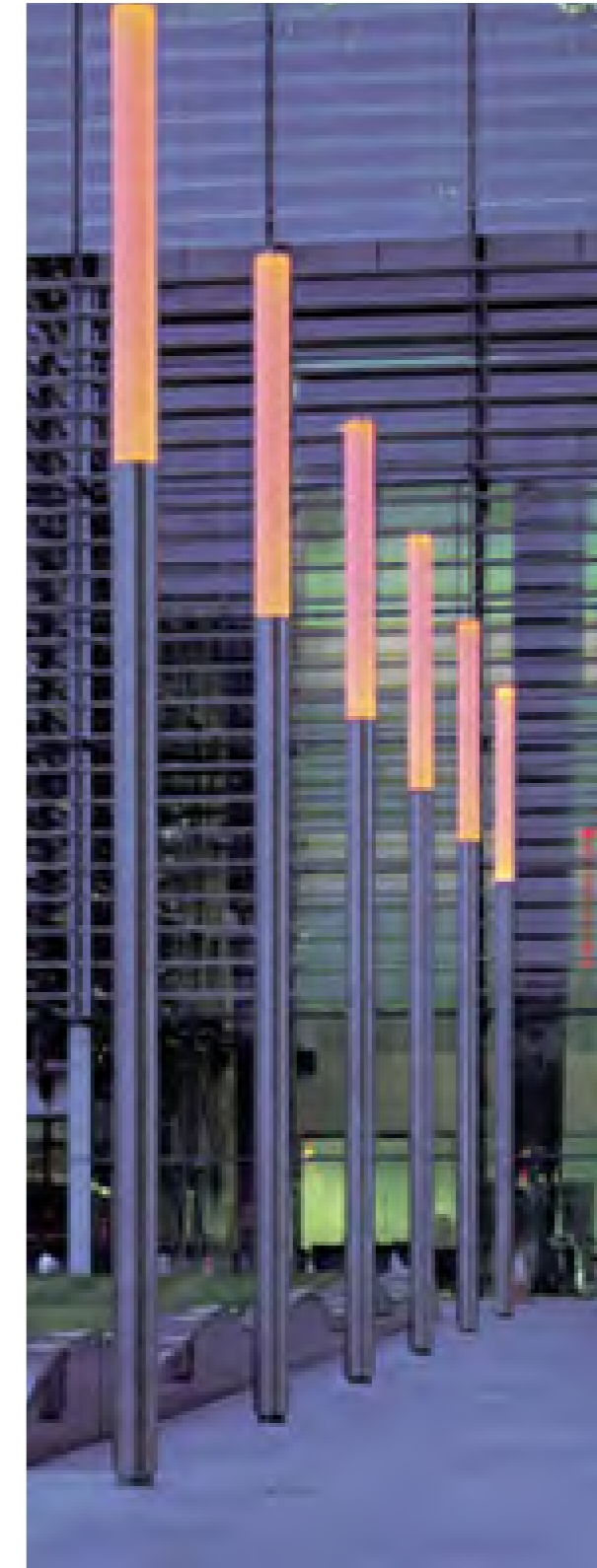
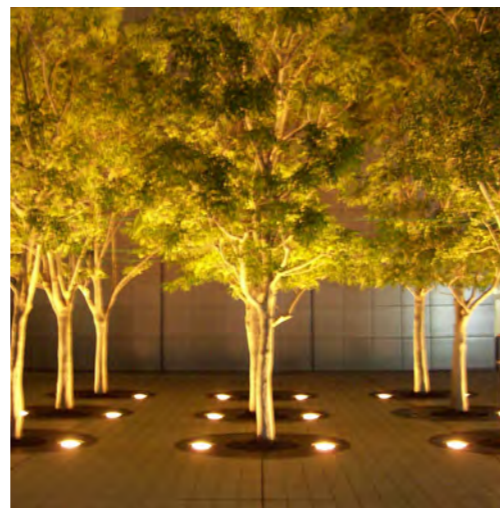
Public domain lighting will comply with Australian Standard AS/NZS 1158 3.1: Pedestrian area (Category P) and AS/NZS 1158 1.1 : Vehicular traffic (Category V). Metal halide light sources with a colour temperature of 3000K and a minimum Colour Rendering Index (CRI) of Ra 80 are to be used in accordance with “The City of Sydney Exterior Lighting Strategy”. Adequate lighting also forms an important part of CEPTED.

To retain existing street light structure to road systems and implement pedestrian scale pole lighting within the public domain that is integral with the urban design and the introduction of feature landscape lighting: upright to specimen tree positions and LED strip lights to the base of Coreten raised planter elements.

The pole light selection must deliver a P2 light classification for urban spaces with facial recognition at 1.5m above ground level. Accordingly we do not propose to use illuminated bollards in the design outcome.

Where practical, LED light sources will be adopted to embrace the latest technology and efficiency in lighting design. The new LED systems allow for directional positioning of light sources and management of light spill.

Final selections to be confirmed.





LEGEND

- City of Sydney | RTA streetlight
- Pole light - Pedestrian scale to achieve P2 lighting standard
- * Uplighting - LED System
- Feature lighting LED strip to base of wall elements

LIGHTING PLAN



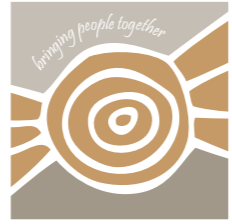
Artistic Impressions - visualising the space

The following set of imagery has been taken from a 3D model of the design, used to interpret the space, scale and landform in an interactive way.

This model has been used as a live presentation tool throughout various stages of the project to effectively convey ideas in an easily understood, perspective based format.



Visual Corridor from Entry to Community Centre (Bird's Eye View)



pemulwuy

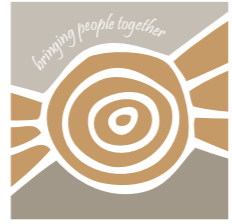
ARTISTIC IMPRESSION



Visual Corridor from Community Centre to Redfern Railway Station Entry (Bird's Eye View)



Looking North East Along Eveleigh Street (Bird's Eye View)



pemulwuy

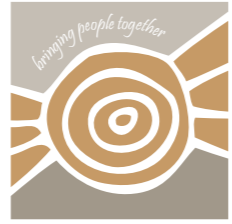
ARTISTIC IMPRESSION



Looking West Along Lawson Street (Pedestrian View)



View from Redfern Station (Pedestrian View)



pemulwuy

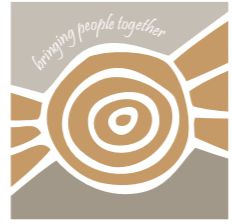
ARTISTIC IMPRESSION



View from Lawson street entry stairs to Pemulwuy (Pedestrian View)



View of Meeting Place and Gym Entry (Pedestrian View)

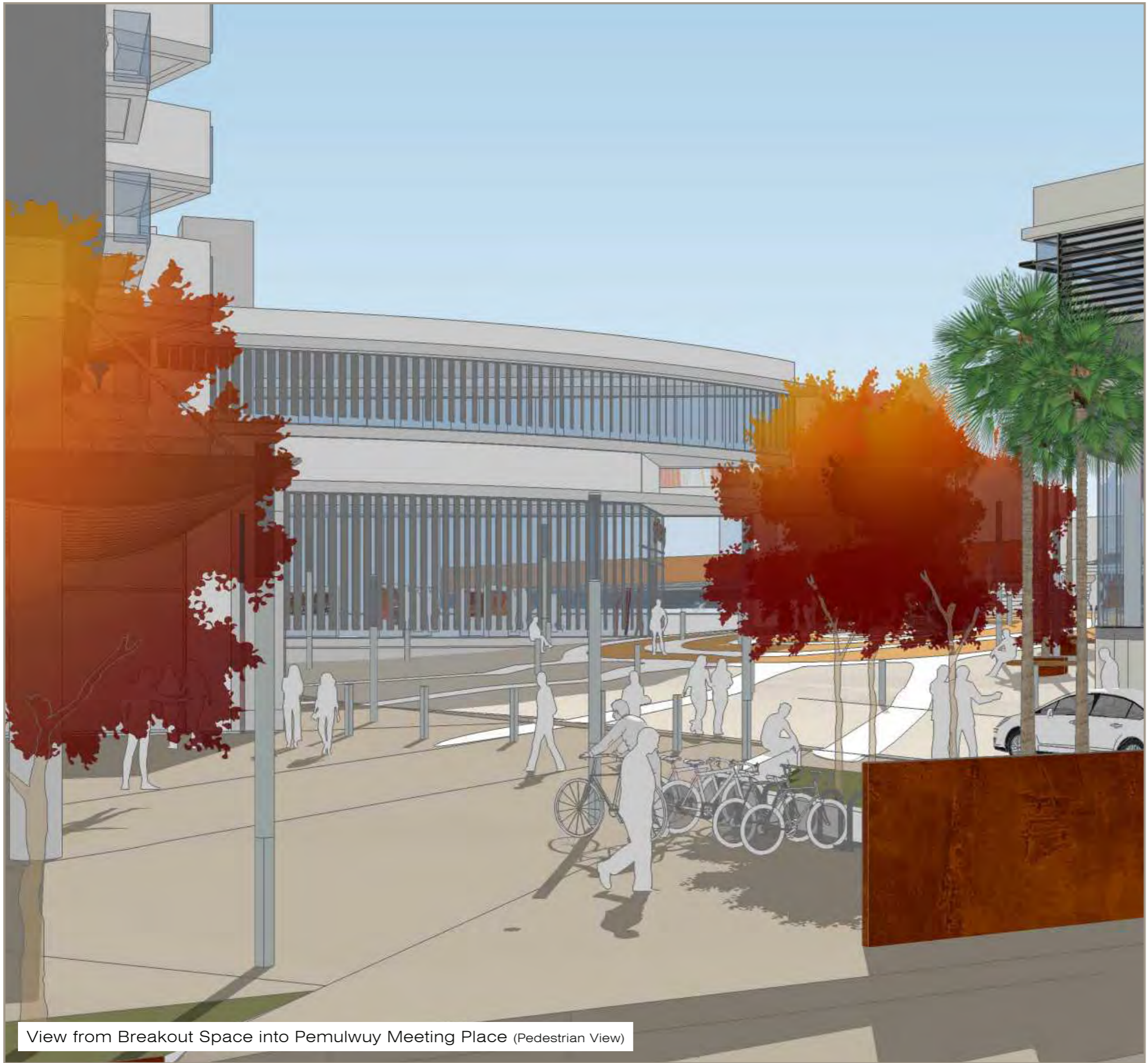


pemulwuy

ARTISTIC IMPRESSION



Break Out Space Fronting Gym Entry (Pedestrian View)



View from Breakout Space into Pemulwuy Meeting Place (Pedestrian View)

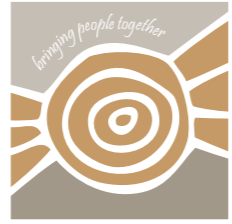
ARTISTIC IMPRESSION



View from Northern Side of Caroline Street to Redfern Station (Pedestrian View)



Gallery Forecourt Looking down Eveleigh Street (Pedestrian View)



pemulwuy

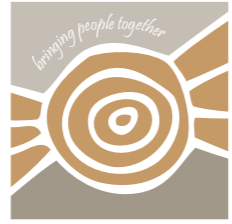
ARTISTIC IMPRESSION



View from Meeting Place up to Entry Stairs (Pedestrian View)



View from Railway



pemulwuy

ARTISTIC IMPRESSION



View from Vehicle Entry on Lawson Street (Pedestrian View)



EXISTING



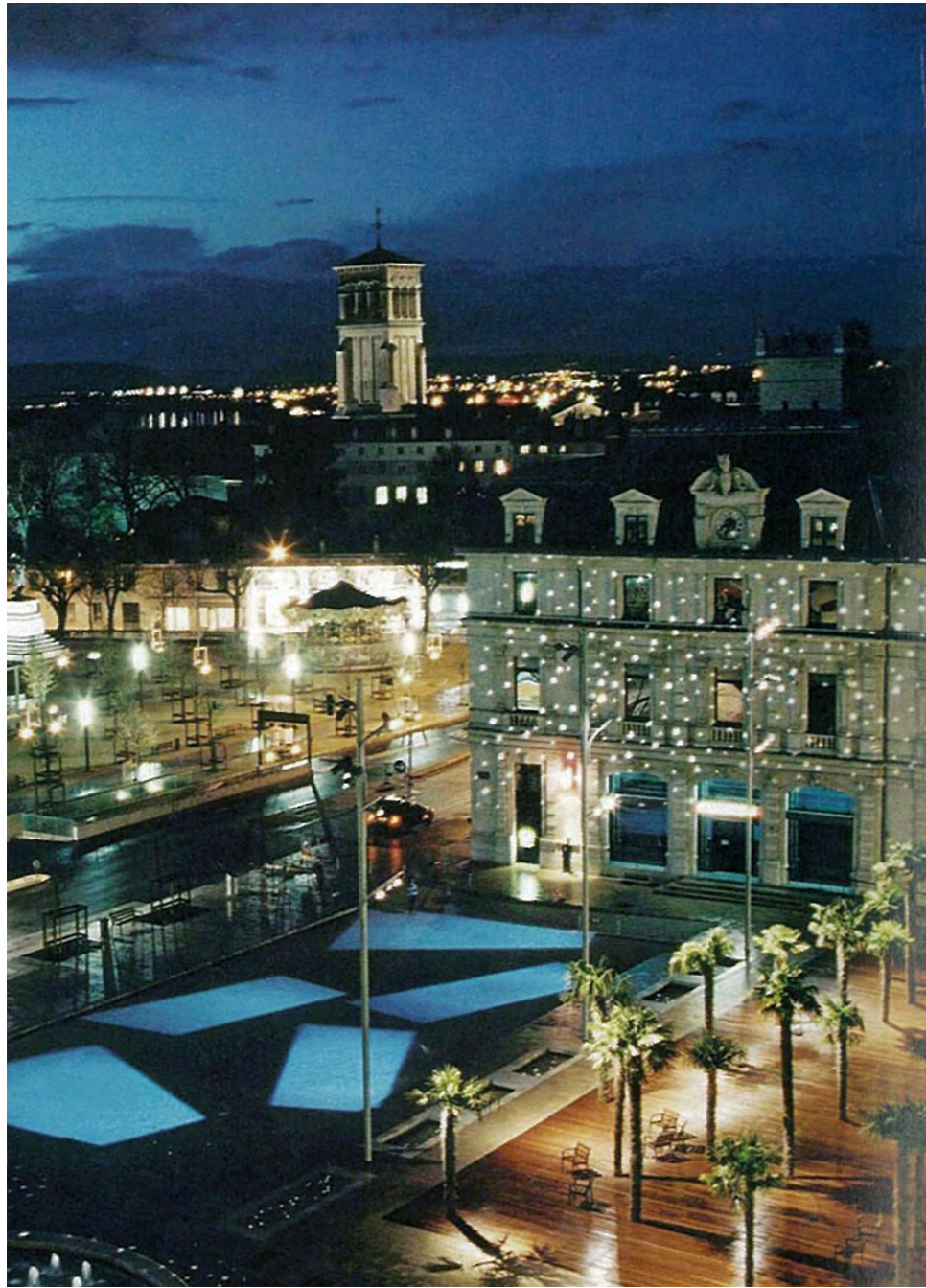
PROPOSED



Design Inspiration

The following pages depict inspirational materials, lighting, furniture and compositional ideas which may be incorporated into the Pemulwuy design.

They have been used as an explorative tool for testing design ideas only and should not be read as final finishes for the Pemulwuy project.



DAY/NIGHT ACTIVITY

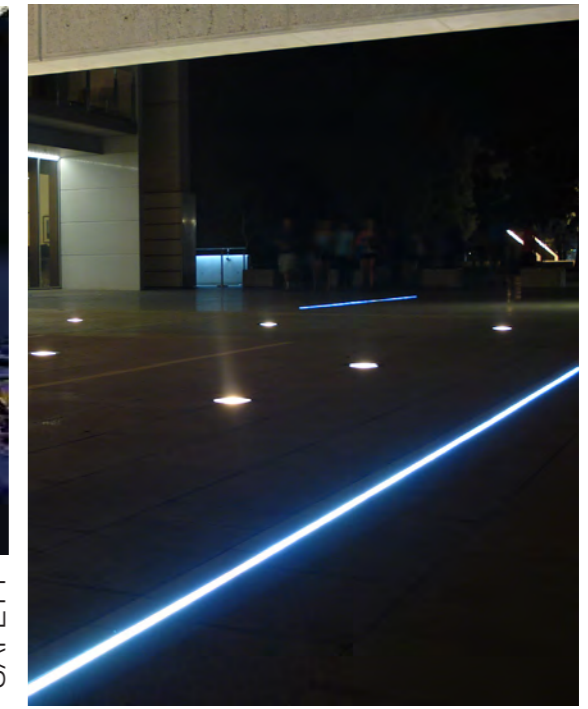


INSPIRATION : LIGHTING



Sydney University Boardwalk Entry - Shepherd Street

RED SQUARE STAR



SAFETY



"LIVE" FACADES



APPROPRIATE TO SPACE



INSPIRATION : FURNITURE

WELL CONSIDERED POSITIONING



ROBUST



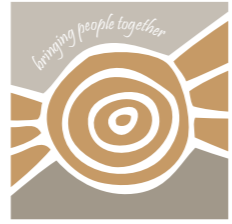


MATERIALITY



USE





pemulwuy

INSPIRATION : CULTURAL SIGNIFICANCE



PUBLIC CONTRIBUTION



USEABLE ART



STORY TELLING



STUDENT EXHIBITS



ABORIGINAL ART



MODERN