

A photograph taken from the perspective of someone on a boat, looking out over a large body of blue water. In the distance, a city skyline is visible under a clear blue sky. The water has a white wake from the boat. The text "CONNECT SOUTH MENDS STREET" is overlaid in large, bold, white capital letters.

CONNECT SOUTH MENDS STREET

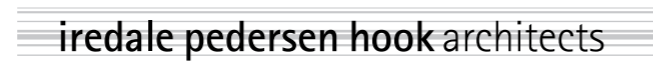
CONCEPT DESIGN
MARCH 2018

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Document Control

NAME OF PROJECT	Connect South Mends Street
DOCUMENT REFERENCE	P:\1711 South Mends street South Perth\04 Reports
PROJECT NUMBER	1711
PROJECT TEAM	Anna Chauvel, Tom Griffiths, Melissa Soh, Marc Tarca

REVISION	DATE ISSUED	PREPARED BY	APPROVED BY	REASON
0	27.10.17	TG	AC	Consultation
1	28.03.18	TG	AC	Post-Consultation

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INTRODUCTION



INTRODUCTION

PROJECT SUMMARY

Following the completion of the South Perth Foreshore Strategy and Management Plan (2015) and the South Perth Peninsula Place + Design Report (2017) Place Laboratory together with Iredale Pedersen Hook (Architecture) and ETC (Feature Lighting) have been commissioned to develop the concept design for Connect South Mends Street (CSMS) project area and deliver Stage One of the works.

The Strategy and Management Plan recommendations and City Centre Vision have been used as a departure point for the development of the concept design for the Connect South Mends Street project.

The design has been developed following extensive community consultation and stakeholder engagement that took place between June and October 2017. The consultation together with a place based design and activation approach has been used to inform the design of the CSMS precinct. This approach has been invaluable in informing the development of the design so that it reflects the community's aspirations for public realm improvements.

Together these improvements will create a new civic heart and tourism destination that will provide a range of unique amenities for residents, local businesses and visitors to the City as well as fulfilling the City's vision for the creation of a revitalised foreshore with high quality spaces to host civic and ceremonial events.

It is a project that:

- / celebrates the aboriginal and european history and unique character of the City
- / enhances economic opportunities
- / creates new civic spaces for the community and
- / connects the important destinations within the precinct.

Following the development of the Master Plan an indicative stage one plan has been developed that aligns with the available funding for the project.

These works will implement the key components of the foreshore area and provide a series of minor upgrades to Mends Street which will enhance the streetscape whilst the major developments in the area are taking place.

The Connect South Mends Street has the potential to be transformative project that will see Mends Street become the urban heart of South Perth and a destination for regional and international visitors.



INTRODUCTION

SOUTH PERTH FORESHORE STRATEGY & MANAGEMENT PLAN SUMMARY

The primary aim in establishing South Perth Foreshore Strategy and Management Plan is to balance the competing demands for use, development and management of this precious regional reserve / Regional Open Space with the need to conserve and enhance a functional healthy river and foreshore environment. This document communicates the fundamental 'why and what' for the South Perth Foreshore and should be used as a gauge against which all future decisions for the site are validated.

The South Perth Foreshore Strategy and Management Plan contains a number of recommendations for the Mends Street node including:

- / Develop Node 1: Mends Street as an active piazza and promenade; an arrival place with day/night activities;
- / A gateway for the Mends Street precinct, with connecting stories and interpretation of heritage, zoo and the river;
- / An integrated transport node utilising the river to connect with the Mends St Precinct and surrounding areas.



FORESHORE NODE N1: Mends Street (Piazza and Promenade)

CURRENTLY: A major arrival point for many visitors to South Perth, linking the ferry terminal to Mends Street and the Perth Zoo beyond. The Mends Street precinct is a major commercial centre for South Perth, however has suffered some economic downturn in trading over the last few years. The area is busy from early morning till around dusk and then is very quiet in the evenings. The street environment is in need of upgrade. The foreshore area has a pavilion and small playground with associated car parking.

THINGS TO CONSIDER

- Gateway to the City and Perth Zoo
- Obstruction / retention of vistas
- Ageing streetscape in Mends Street
- Conflicts between cyclists/pedestrian/ vehicles
- Traffic, parking and access issues
- Lack of precinct identity
- Jetty repairs and pedestrian circulation around jetty
- Taxis congestion
- Mends Street and Jetty Precinct redevelopment Strategy N1 Mends Street

DEVELOP THE MENDES STREET NODE AS:

An active piazza and promenade; an arrival place with day/night activities;
A gateway for the Mends Street precinct, with connecting stories and interpretation of heritage, zoo and the river;
An integrated transport node utilising the river to connect with the Mends St Precinct and surrounding areas.

NODE STRATEGIES

- **N1.1** Pedestrian friendly piazza and promenade:
 - Improved relationship between retail facades and streetscape;
 - Improved information/ signage from both Perth City and the Zoo;
 - Improved connection between jetty and Mends Street/Harper Terrace;
- **N1.2** Lighting;
- **N1.3** Jetty improvements:
 - Provide diversity of commercial activity at the jetty;
 - Provide opportunities for boating, mooring, and berthing/jetty extensions;
- **N1.4** Integrated transport:
 - Such as bus/ CAT service/ tram/ ferry/ water taxis;

- **N1.5** Increased activation along the Mends street retail centre and foreshore promenade:
 - Buskers, festivals, culture, food, events, including at evening and night;
- **N1.6** Create an identity and gateway;
- **N1.7** Interpretation of culture/heritage/history.

NODE N1 ACTIONS INCLUDE:

- Undertake a retail and place activation strategy for the Mends Street Precinct;
- Prepare a Node Plan for the foreshore Piazza and Promenade, to connect with the commercial area of Mends Street, to connect with Perth Zoo including Windsor Park and the future Civic Triangle; in conjunction with stakeholders including the Mends Street Traders and Perth Zoo;
- Liaise with Swan River Trust and PTA regarding jetty use, extensions and opportunities for boat mooring;
- Consult with City of Perth and Perth Zoo regarding branding, marketing and integration of assets;
- Prepare Financial Business Case/ Economic Strategy for Mends Street and associated Piazza and Promenade.

INTRODUCTION

SOUTH PERTH PENINSULA PLACE + DESIGN REPORT SUMMARY

The aim of the South Perth Peninsula Place + Design Report was to renew the vision and direction of the peninsula by bringing all stakeholders together to discuss their concerns and aspirations and collectively develop approaches for managing the area's growth in a way that captures the most benefit for the Peninsula's residents, workers and visitors.

A place-led approach was implemented to understand and better articulate stakeholder aspirations for the area. The process included a review of background information, a detailed place analysis and a comprehensive stakeholder engagement program. Collectively, this research has informed a 'renewed' draft vision and character area framework, together with a series of goals, strategies and actions to achieve the vision.

This report outlines a draft vision for the City Central area (Connect South Mends Street project) along with preliminary guidance on the character and activities that should take place in this area.

CITY CENTRAL

The City Central area is the **cultural and commercial heart of the Peninsula, a place where residents and workers enjoy a wide diversity of recreational and commercial offerings, as well as incredible amenities including a new City Square, the Foreshore and Perth Zoo.**

In the future, the area will leverage the opportunities these amenities present to create a truly great, **world-class destination** where residents, visitors and businesses mix together in a vibrant environment with frequent events and activities during the day and at night.



1. MENDES STREET

Mends Street will function as the urban heart of the Peninsula. A street full of energy, character and appeal, it will prioritise pedestrian activity and be active day and night. Its unique retail and dining destinations will spill out into the street and extend through connecting laneways and arcades.



2. CITY SQUARE

The Old Mill Theatre, Heritage House Cultural Centre, Windsor Park and western portion of Mends Street will form the cultural heart of the Peninsula, supplemented by public space upgrades and the addition of modern community facilities.



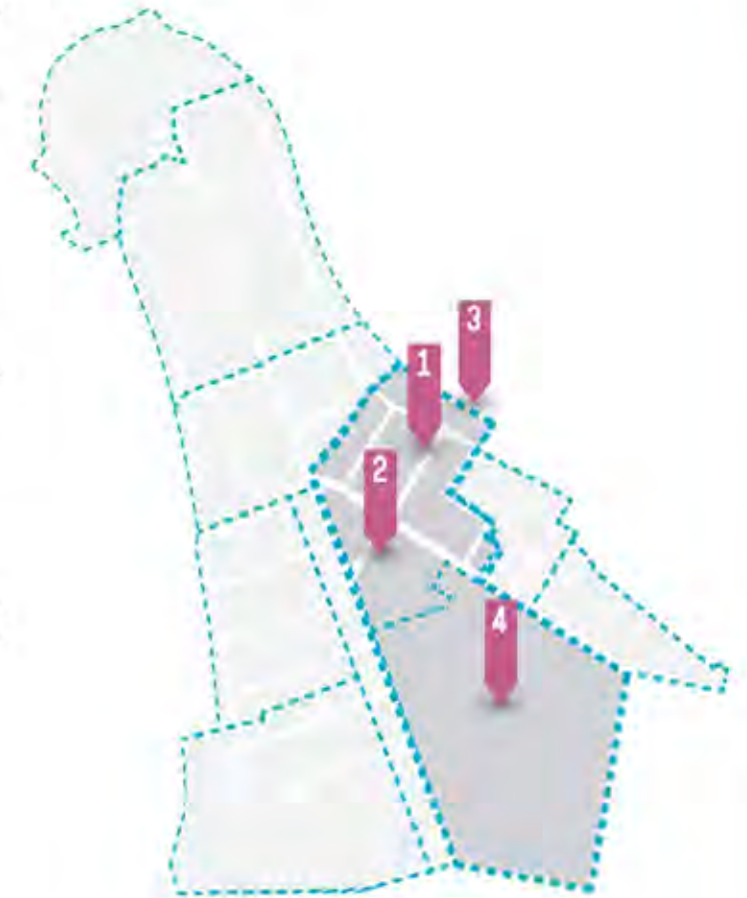
3. FERRY JETTY

The Jetty area will proudly announce arrival at the Peninsula. The South Perth Esplanade will be full of life, with facilities for water activities, boating, major events, and food and beverage. This activity will extend down Mends Street and Harper Terrace.



4. ZOO

The Zoo will uphold its status as one of Perth's premier tourism destinations, with a renewed vision for its long-term growth and improved connections to the surrounding area with active edges fronting surrounding streets and Windsor Park.



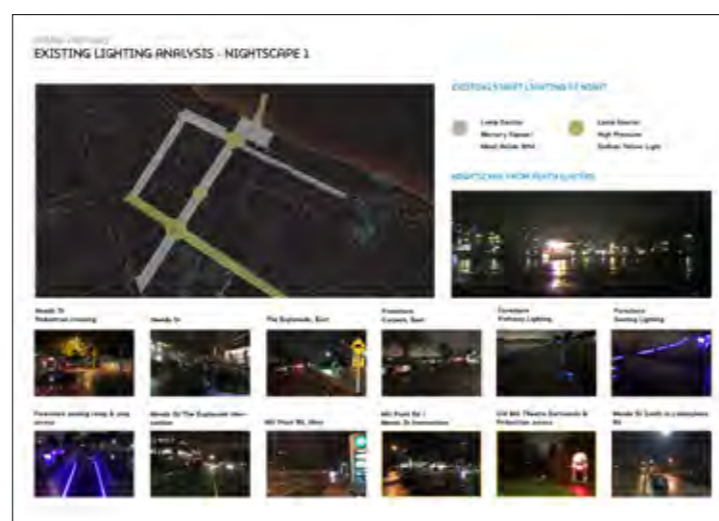
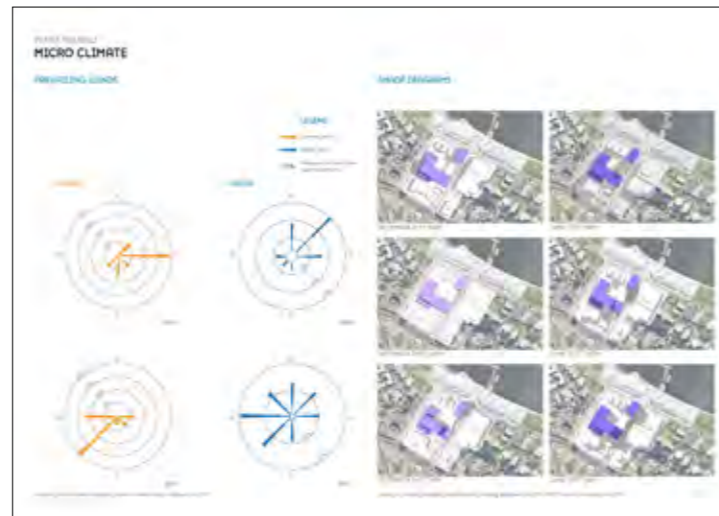
INTRODUCTION

CSMS FRAME OF REFERENCE REPORT SUMMARY

The Frame of Reference (FoR) has been developed by the design team to understand the issues, opportunities and information gaps within the CSMS project area as well as confirm project parameters and requirements with the City of South Perth prior to commencing the concept design phase.

The FoR included a detailed Place review to understand existing activates, infrastructure, trees, microclimate, movement patterns and heritage assets. The document also included a functional brief by are to outline the requirements for each space and brief for both the canopy structure and lighting.

The document was submitted to the City for review prior to commencement of Concept Design.



CONSULTATION



CONSULTATION DESIGN REFINEMENTS

Following the completion of the draft master plan in November 2017 a formal consultation period was undertaken by the City of South Perth. The draft master plan was available for review by the public and responses were formally collected through the City website. The details of the consultation feedback and council responses can be reviewed in the Community and stakeholder feedback (February 2018) document prepared by the City.

Based on the consultation two key topics that directly relate to the design of the Connect South Mends Street project were raised which have been formally addressed by the design team. These include tree locations in the foreshore and selection of animals represented in the canopy design. Refinements have been made to the design to integrated these suggestions which are outlined in this chapter and then updated throughout the report.

Additional comments collected throughout this period will be integrated into the design as it is refined through the design development phase.

Canopy Design

During the consultation feedback period comments were received from both the community and stakeholders regarding the section of animals to be interpreted in the design of the canopy structures. It was felt that whilst historically accurate, the representation of a lion and tiger didn't not represent Australia's native fauna and unintentionally reinforced old zoo practices that are no longer in keeping with modern zoo practices. Together with Perth Zoo the design team worked to select two more appropriate animals, the numbat and frilled neck lizard, that are more representative of the unique Western Australian fauna. The design team then worked to develop these options in the folded language of the concept which will be developed and refined further in the design development period.

The story of the first zoo animals can be integrated elsewhere in the design as part of the overall Animal Parade narrative.



Frilled-Neck Lizard (*Chlamydosaurus kingii*)



Numbat (*Myrmecobius fasciatus*)



Concept

iredale pedersen hook architects



Julio Barreno Gutierrez_Origami canopy



RCA Arquitectos_Lotus Blau



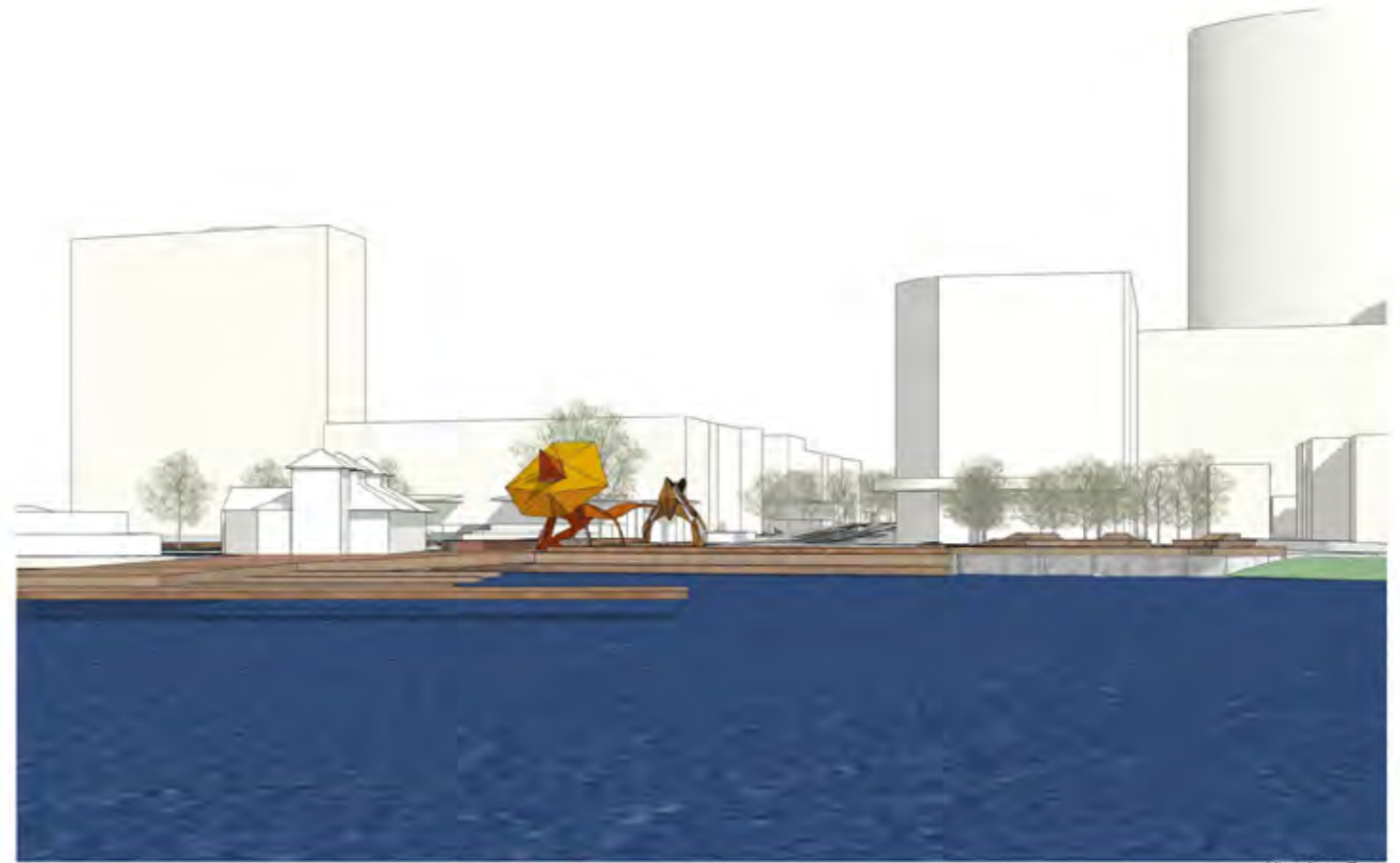
Precedent Images

iredale pedersen hook architects



Overall Plan

iredale pedersen hook architects



View from Ferry

iredale pedersen hook architects



View from Plaza

iredale pedersen hook architects



View down Monds Street

iredale pedersen hook architects

Tree Locations

As part of the development of the foreshore area a limited number of trees have been introduced to provide shade, mitigate wind and noise and reduce temperatures.

The strategy for locating the trees has been to retain the existing trees and strike a balance between vistas and public amenity. Through the stakeholder engagement and the consultation period the number, size and location of trees has been refined as described in the adjacent plans. This tree arrangement has been further tested through existing and proposed views which demonstrates the limited impact of the new trees on surrounding tenants.



WEST PROMENADE - 23.01.18, 3PM, 32 DEGREES



EAST PROMENADE - 23.01.18, 3PM, 32 DEGREES



CONSULTATION MASTER PLAN OCTOBER 2017



POST CONSULTATION REVISED MASTER PLAN MARCH 2018

1. EXISTING TREE LOCATIONS (INCLUDING VANDALISED TREES)



- EXISTING TREES
- SHELTER

2. MASTER PLAN OCTOBER 2017



- EXISTING TREES
- PROPOSED TREES

REMOVING	8 TREES
ADDING	70 TREES
NET INCREASE	62 TREES

3. MASTER PLAN NOVEMBER 2017 (REDUCED TREE NUMBERS)



- EXISTING TREES
- PROPOSED TREES

REMOVING	8 TREES
ADDING	46 TREES
NET INCREASE	38 TREES

4. MASTER PLAN JANUARY 2018 (POST CONSULTATION)



- EXISTING TREES
- PROPOSED TREES

REMOVING	8 TREES
ADDING	35 TREES
NET INCREASE	27 TREES

SOUTH SHORE SHOPPING CENTRE, 1ST FLOOR (COCO'S RESTAURANT BALCONY)



EXISTING



PROPOSED

SOUTH SHORE SHOPPING CENTRE, 1ST FLOOR (COCO'S RESTAURANT INSIDE) – EXISTING



EXISTING



PROPOSED

*These two trees were recently planted to replace mature trees that were vandalised and they are currently yet to reach maturity. The images depict them at the height they will reach when fully grown.

MENDS STREET/SOUTH PERTH ESPLANADE – EASTERN CORNER (OUTSIDE SOUTH SHORE SHOPPING CENTRE)

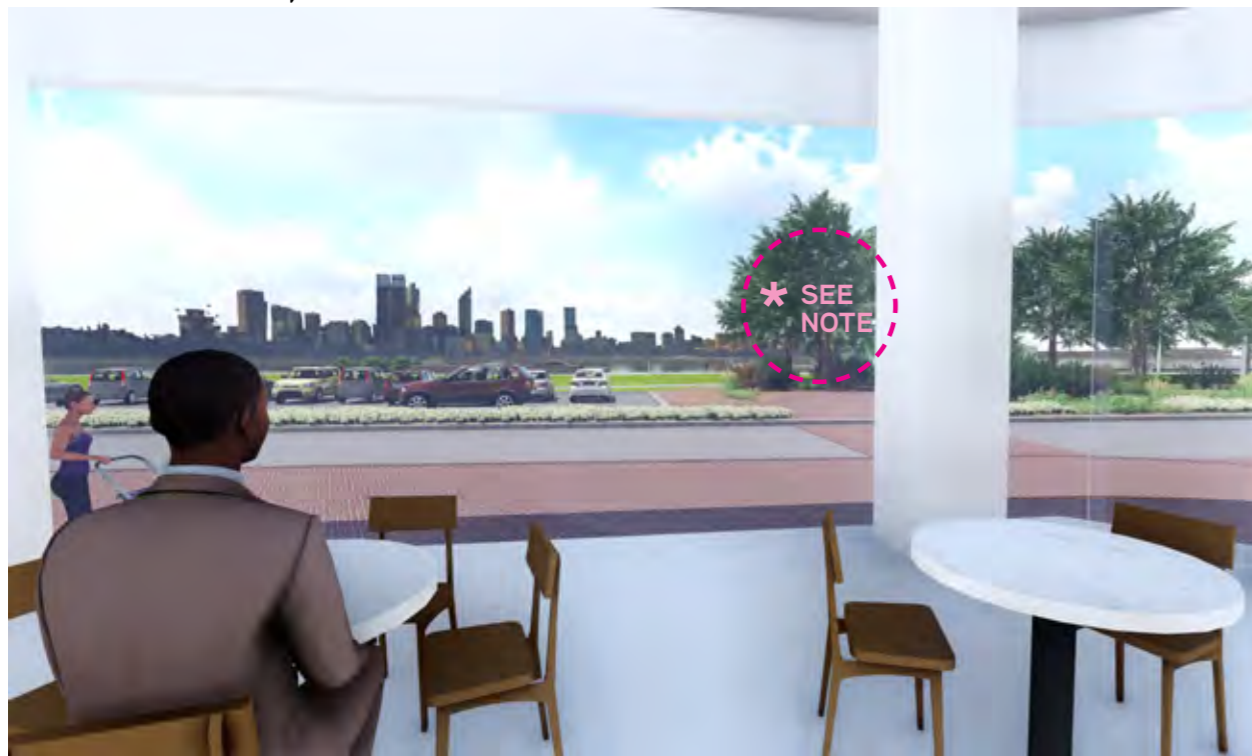


EXISTING



PROPOSED

ECHELON BUILDING, GROUND FLOOR (PROPOSED RESTAURANT)



EXISTING



PROPOSED

*These two trees were recently planted to replace mature trees that were vandalised and they are currently yet to reach maturity. The images depict them at the height they will reach when fully grown.

ECHELON BUILDING, 2ND FLOOR, OFFICES (STANDING VIEW)

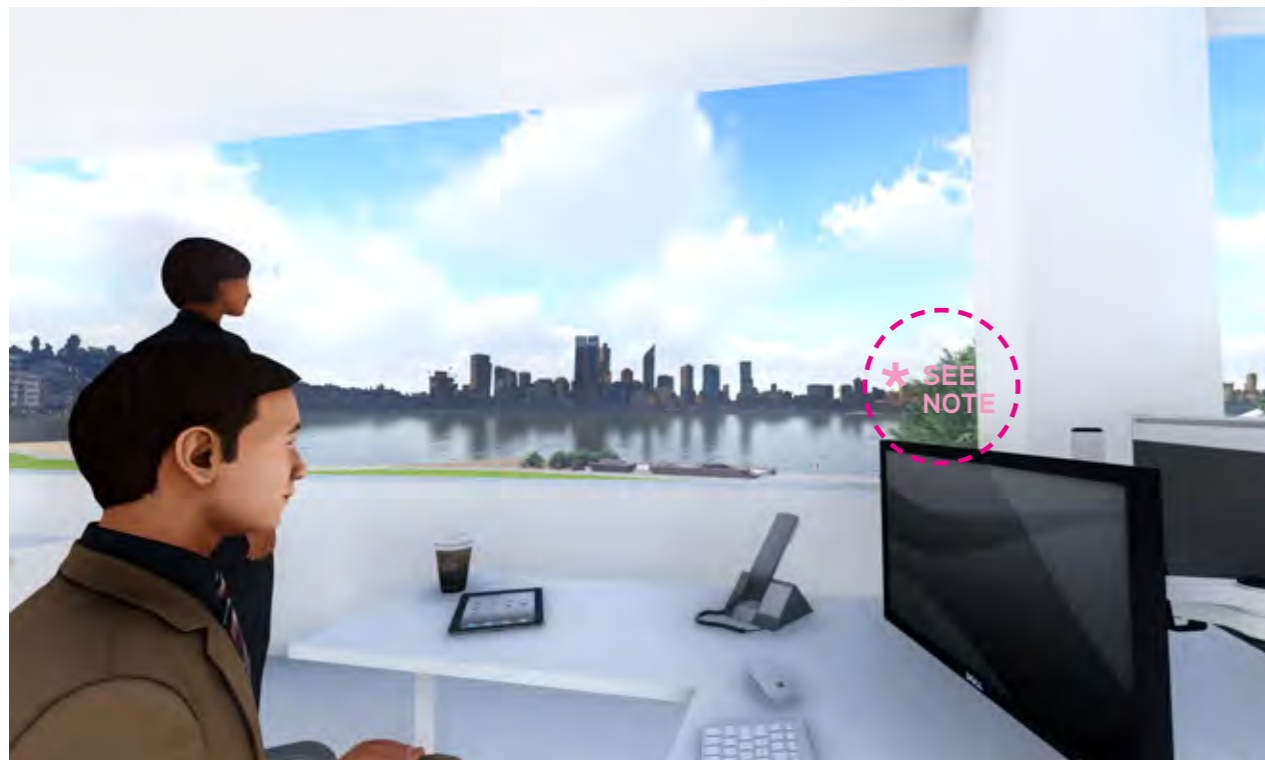


EXISTING

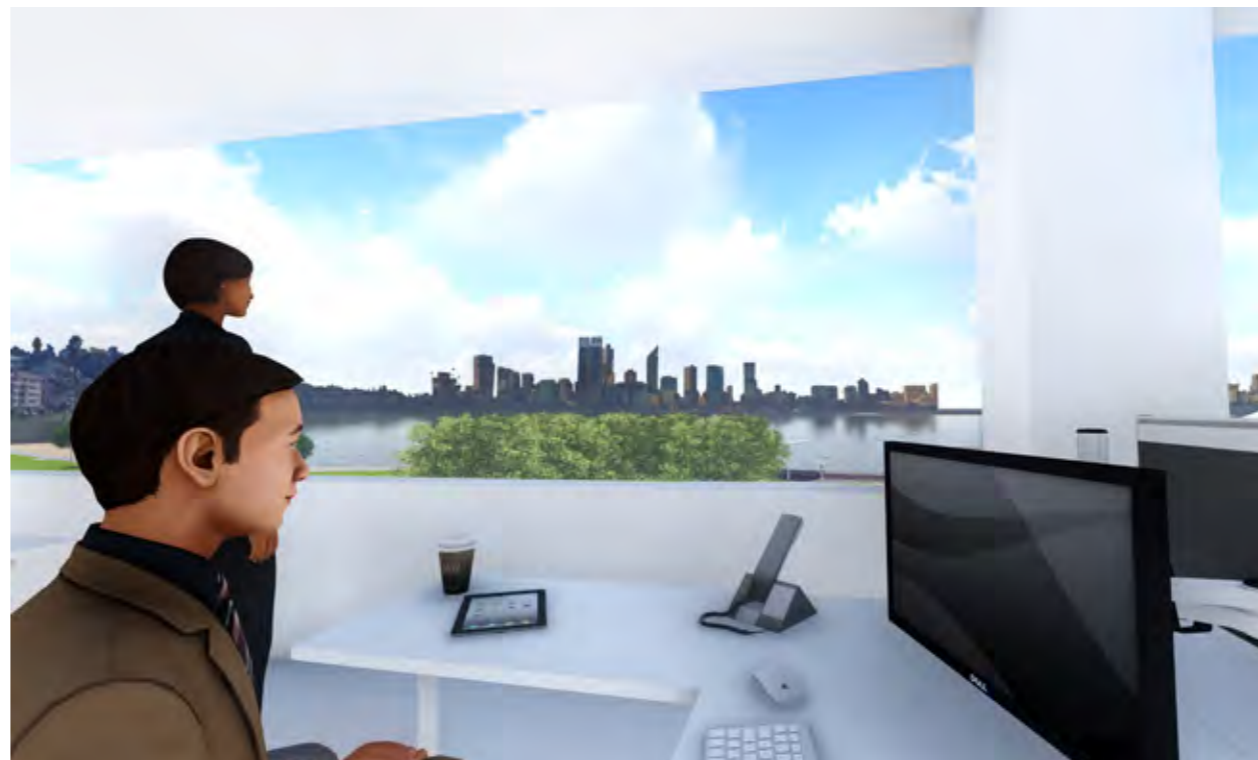


PROPOSED

ECHELON BUILDING, 2ND FLOOR, OFFICES (SEATED VIEW)



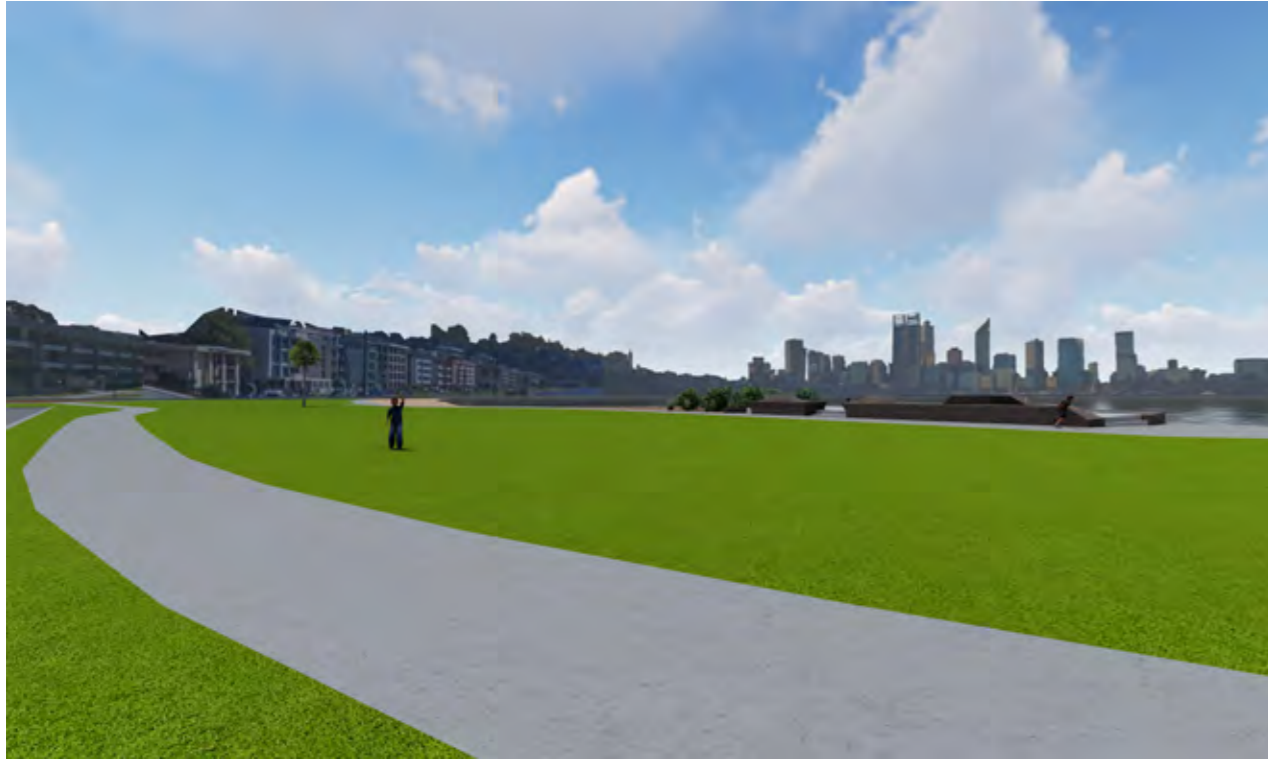
EXISTING



PROPOSED

*These two trees were recently planted to replace mature trees that were vandalised and they are currently yet to reach maturity. The images depict them at the height they will reach when fully grown.

BOSQUE AREA – LOOKING WEST



EXISTING



PROPOSED

PLACE REVIEW



PLACE REVIEW

EXISTING CHARACTER ANALYSIS

The CSMS project area is blessed by its unique location with strong connections to the Swan River, iconic views and significant existing assets including the mature street trees and heritage structures along its length.



PLACE REVIEW

EXISTING CHARACTER ANALYSIS

FORESHORE

The South Perth Foreshore is a considerable area of public open space within the Mends Street precinct. The foreshore faces the Perth City skyline and contains the Mends Street Jetty, shared footpaths, an urban beach, large open grass areas, and a popular children's playground.

Since the completion of the pavilion in 1989 the area of foreshore at the northern end of Mends Street has been modified in a piecemeal manner that has resulted in a congested arrival space for commuters, poor visual linkages up Mends Street and conflict between pedestrians and cyclists.



MENDS STREET

The public realm of Mends Street, which was last upgraded in 1989, has become dated and degraded in the intervening 28 years. The condition of the built fabric, footpaths and street furnishings is poor and the once clear identity of the street has been lost.

The quality of the street frontages has also been eroded over time which is the result of piecemeal development along Mends Street the outcome of which is large sections of Mends Street being inactive and creating a poor pedestrian experience.



HARPER TERRACE

Harper Terrace is located parallel to Mends Street and is a connecting street between Mill Point Road and South Perth Esplanade. The street currently acts as a thoroughfare for vehicles exiting Kwinana Freeway to access South Perth Foreshore and for delivery trucks servicing the precinct. The current construction works have led to the degeneration of the streetscape environment.

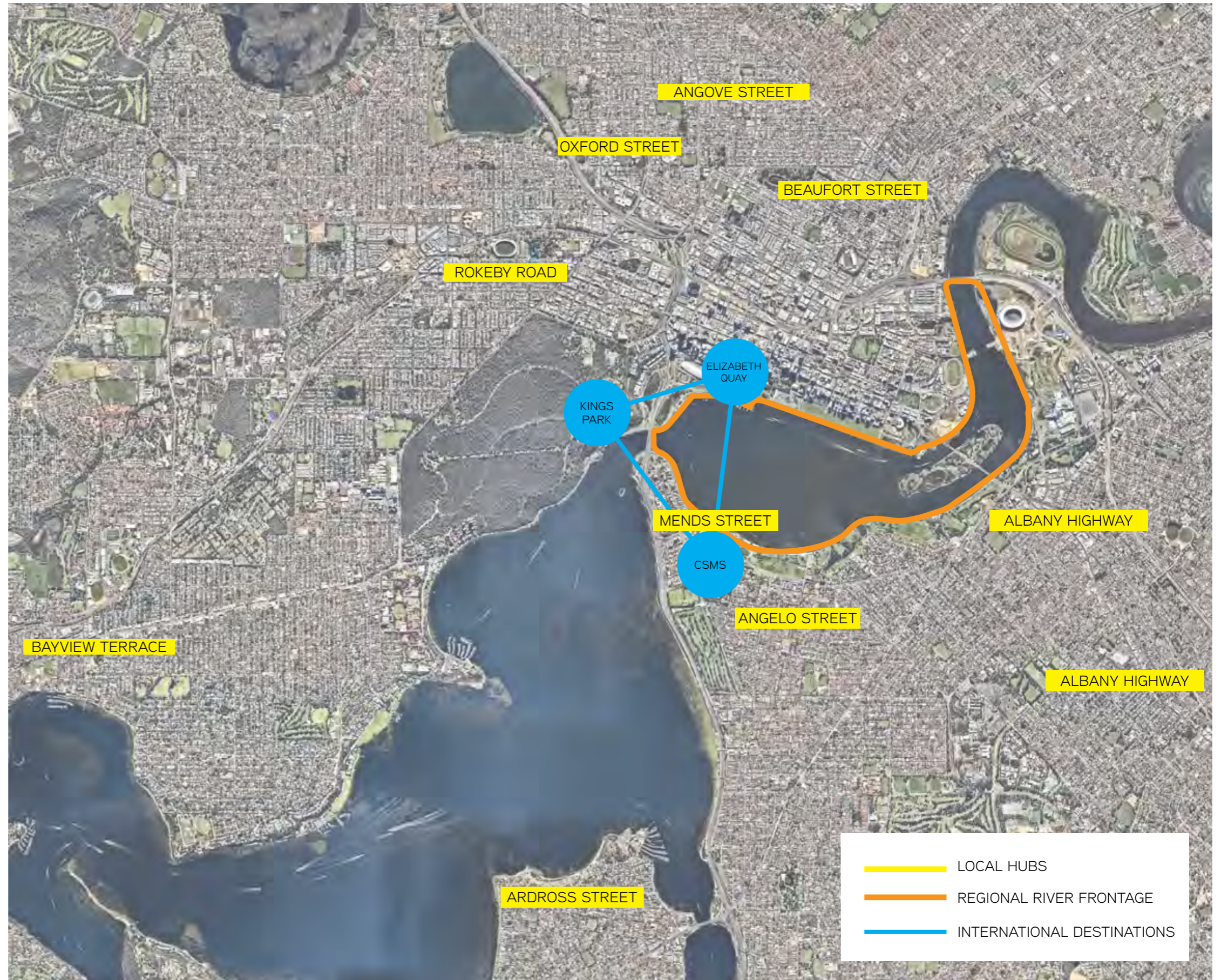


PLACE REVIEW

REGIONAL DESTINATION ANALYSIS

A detailed review of other local hubs throughout Perth was undertaken to establish how the design can differentiate Mends Street from the regional competition. It was established that the proximity to the river and zoo and historical stories associated with Mends Street should be the catalyst to establishing a competitive character that would distinguish Mends Street from other local hubs. In addition, CSMS was also reviewed as a destination on the river front to understand how river users could be attracted to the project.

The CSMS project was also studied as an international destination that could attract tourists in the same way as Kings Park and Elizabeth Quay. The combination of a ferry ride, a wonderful view of the City of Perth, a riverfront experience, destination food and retail offerings and the Perth Zoo will make CSMS a must for visitors to Perth.



REGIONAL DESTINATION ANALYSIS

A study of the key tourism information sites reveals that CSMS is not included in the top ten tourism recommendations for Perth, however, the Swan River, similar local precincts and the Perth Zoo are included. CSMS can leverage these relationships to create a Major Tourism magnet.

Trip Advisor

1. Kings park
2. Kings Park memorial
3. **Swan River**
4. Perth Mint
5. Fraser Avenue Lookout
6. St Mary’s Cathedral
7. Wine Tours
8. Scitech
9. Lotterywest Federation Walkway
10. The Nostalgia Box Museum

* Accessed July 2017

Trip Advisor is a users generated review site. The recommendations are generated based on visitor feedback.

Australia.com

1. Views from Kings Park
2. **Diverse Precincts** (Leederville, Northbridge, City)
3. Fremantle
4. Perth Small Bars
5. Museum, Gallery, **Zoo**
6. Beaches - Scarborough, Cottesloe
7. Adventure activities
8. Rotto
9. Swan River – Matilda Bay + Royal Perth Yacht club
10. Swan valley

* Accessed July 2017

Australia.com is the official Australian Tourism website and recommendations are generated by Tourism Australia.

Lonely Planet

1. Kings Park
2. Art Gallery of WA
3. Aquarium of WA
4. Cottesloe Beach
5. Bell Tower
6. Elizabeth Quay
7. **Perth Zoo**
8. PICA
9. Lake Monger
10. Nostalgia Box

* Accessed July 2017

Lonely Planet is the largest travel guide book publisher in the world. The top ten list is curated by Lonely Plant writers.

LOCAL DESTINATION ANALYSIS

An analysis of the existing conditions shows a variety of activities and destinations within the CSMS project area. The CSMS project can build upon the existing destination network to improve activity levels within the public realm, attract people to stay for longer and create a sequence of activities that encourage movement throughout the project.

BEACH + PROMENADE

WATCH/TOUCH THE WATER
FISHING
SITTING
SUNSET PICNIC
PLAYING
LAUNCH KAYAK

PATH

STROLLING
EXERCISING
CYCLING

CAFES & RESTAURANTS

MORNING COFFEE
READING THE PAPER
PEOPLE WATCHING
LUNCH/MEET WITH FRIENDS

WINDSOR HOTEL

DRINKS AT THE WINDSOR
PUB MEAL
EVENTS & FUNCTIONS

MUSEUM

SEE HISTORY OF SP
VIEW AN EXHIBITION
LEARN ABOUT MAY GIBBS

THEATRE

VISIT THE THEATRE
CATCH A PLAY/SHOW
SEE HISTORY OF SP
HEAD TO MENDS ST FOR
FOUR AFTER

LAWN BOWLS

PLAY/LEARN LAWN BOWLS
MEET FRIENDS
CHEAP DRINKS
JOIN LOCAL RSL CLUB
HIRE FOR FUNCTIONS
PARTIES/EVENTS

LOOKOUT

PHOTO OF CITY SKYLINE

JETTY

CONTEMPLATION
WATCH THE RIVER
BOAT WATCH
BOAT ACTIVITIES
FERRY TO ELIZABETH QUAY
COFFEE WITH FRIENDS
SUNSET PHOTO OF CITY SKYLINE
VIEW/BOARD DECOY STEAM BOAT

FINE DINING

ROMANTIC DINNER
SUNSET DRINKS/COCKTAIL
BREAKFAST AT COCOS
FUNCTIONS

PROMENADE LOOKOUT

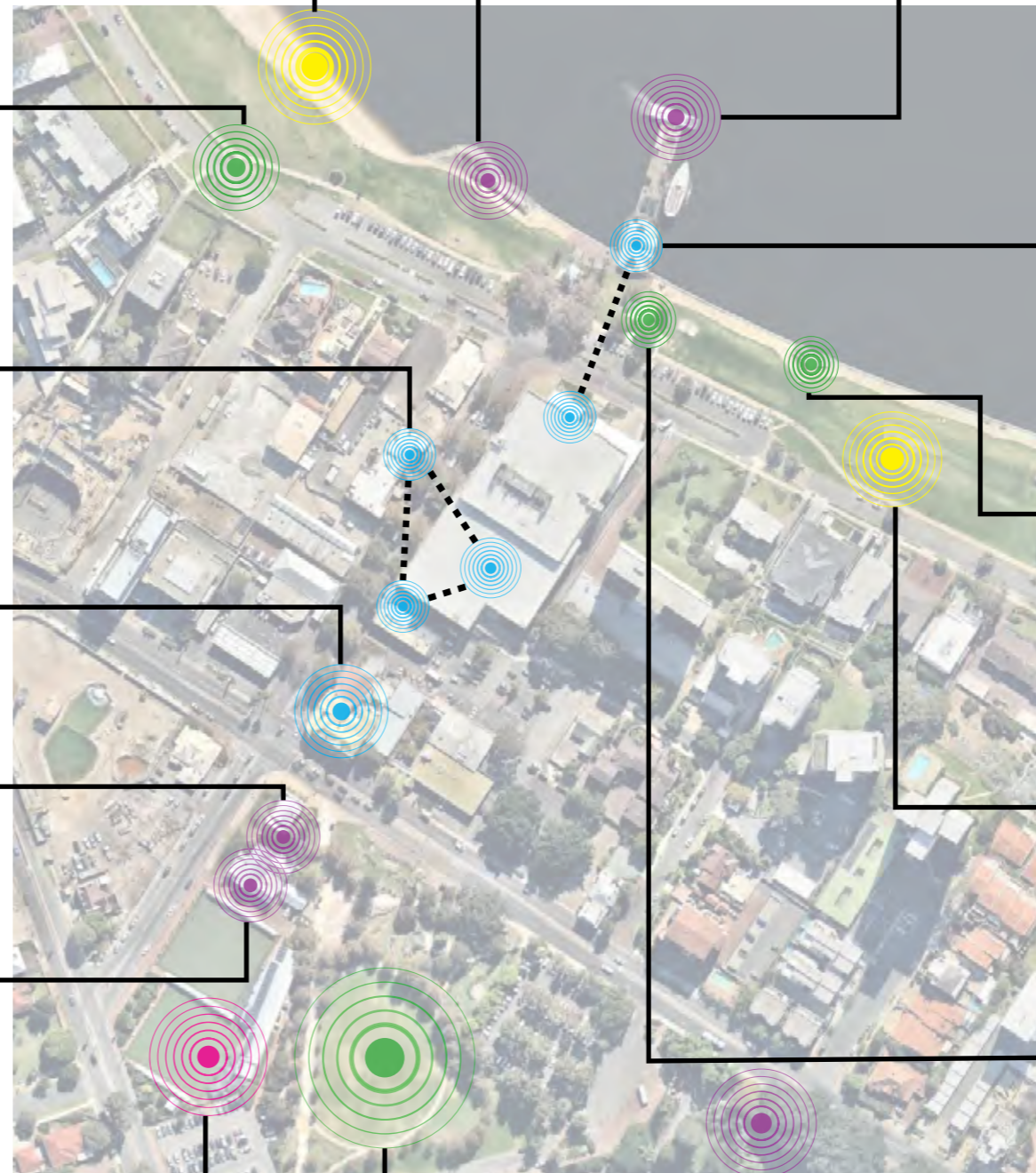
STROLLING
EXERCISING
WATCH THE WATER
CYCLING
SUNSET PHOTO OF CITY SKYLINE

FORESHORE EVENT LAWN

RELAXATION
MORNING YOGA
MEET FRIENDS
CONTEMPLATION
EVENTS & FUNCTIONS

PLAYGROUND

PLAYING
FAMILY AREA



WINDSOR PARK

STROLLING
MEET FRIENDS
PLAYING
RESTING

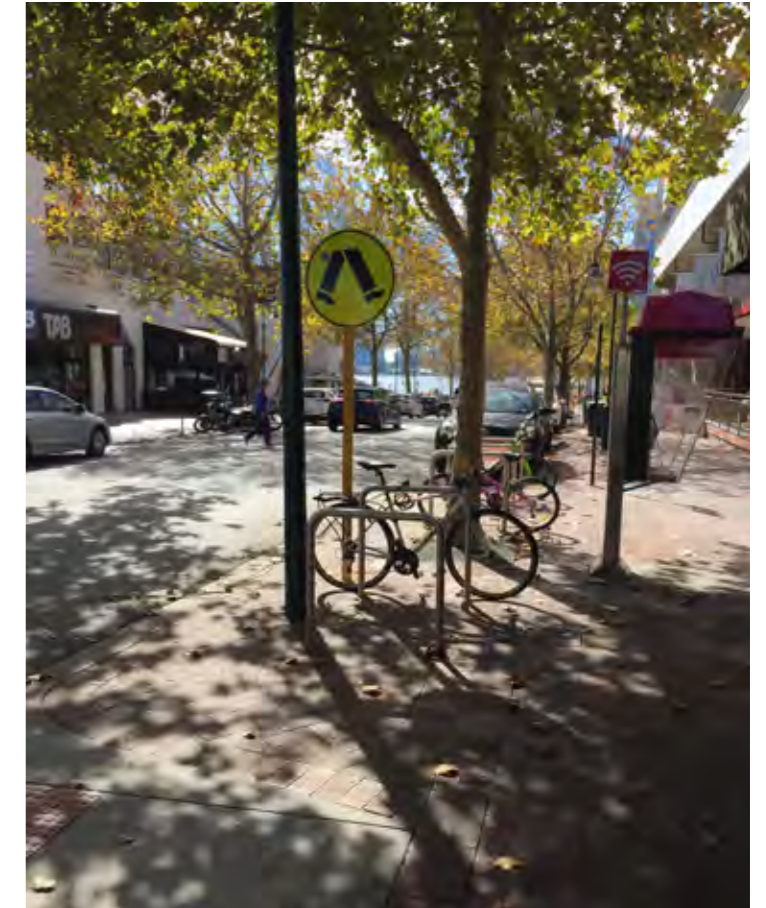
PERTH ZOO

VISIT LOCAL/EXOTIC SPECIES
BIRTHDAY PARTIES
NATURE LOVERS
GET MARRIED
TAKE PHOTOS OF ANIMALS
SCHOOL HOLIDAYS VISIT

- Event Spaces
- Retail and Food & Beverage
- Public spaces
- Focal Point
- Foreshore/Beach

PLACE REVIEW

LOCAL DESTINATION ANALYSIS



PLACE REVIEW

CONSULTATION

The CSMS Stakeholder Engagement Plan has been developed by the City of South Perth together with Place Laboratory and Spaced Out. The plan includes stakeholder workshops and meetings, intercept surveys, online engagement and an Open House event.

Through this process we have collected feedback about what makes Mends Street unique and how we can work together to make the Connect South project a success. The stakeholder engagement has informed the development of design themes, creation of spaces and design elements within the project.

Refer to Appendix for full Mends Street Place Activation Strategy.

EVENTS

CoSP Vision Workshop - 30th June 2017

A vision workshop was held with the stakeholders within the CoSP to share knowledge and ideas about the project and develop a shared vision for the project.

Hands up for Connect South Online Survey - 18th July 2017

Online survey collecting ideas for CSMS precinct.

Hands up for Connect South - 22 July 2017

Members of the public were invited to paint their ideas on the Connect South car on Saturday 22 July and Saturday 5 August at the corner of Mends Street and South Perth Esplanade. A summary is included on the next page.

Stakeholder Workshop - 26th July 2017

A stakeholder workshop was held at the end July. Stakeholders were asked:

- / How to make Mends Street a great local hub?
- / What will make the foreshore great?
- / What will make South Perth a #1 tourist destination?

A summary is included on the next page.

Connect South Open Day 12th August 2017

More than 50 people came to the Connect South Open Day on Saturday 26 August to see the design principles, draft design elements and ideas. The feedback received fell into the following broad categories, which give a high level snapshot of the most important themes for those who participated:

Category	Examples
Activity and events	Activation, cafes, outdoor dining, markets, music, performances, theatre, busking, shopping, laneways, retail, entertainment, views and vistas, family-friendly
Lighting and public art	Installations (temporary and permanent), interactive art, catenary lighting, sculptures, light shows and displays, lighting, street art, artistic furniture, canopy walkway
Movement and connection	Inclusive access, bicycles, pedestrians, cars, parking, ferry service, bus, wayfinding, signage, traffic, footpaths, bicycle facilities
Greenery, shade and amenity	Variety of seating options, trees, vegetation, water bubblers, public toilets, shade, parklets, inclusive access and facilities
Culture and history	Heritage tram, education, Whadjuk Noongar culture and history, local history, heritage buildings and icons

Connect South Concept Design Presentation - 25th October 2017

Over fifty stakeholders and community members attended the Connect South draft concept design presentation and project update at the Old Mill Theatre. The design team gave an overview of the project context, foreshore strategy and concept design.

Ongoing consultation and engagement

- / Traders meetings with Mends St businesses – commenced October 2016
- / Individual stakeholder meetings with government agencies, representatives and interest groups – including Perth Zoo, Department of Transport and Swan River Trust - ongoing
- / City of South Perth Reference/working groups meetings: including Aboriginal Reference Group and ICAG
- / Ongoing information via the City's communication channels including social media, website, advertising and e-newsletters



THIS IS WHAT YOU SAID...

How to make Mends Street a great Local Hub?



ACTIVE STREET EDGES



VARIETY OF RETAIL + FOOD



PUBLIC ART



GREENERY



NIGHT TIME ACTIVITY



SAFE PEDESTRIAN ENVIRONMENT

What will make our Foreshore great?



CITY VIEWS



SHADE CANOPY



GOOD TRANSPORT CONNECTIONS



VARIETY OF ACTIVITIES



PUBLIC AMENITY



ART + LIGHTING



FUN FOR ALL AGES

What will make South Perth a #1 tourist destination?



FUN



CONNECTION / ACCESSIBLE



COORDINATED BRAND + PROMOTION



UNIQUE EVENTS



ICONIC



NIGHT ACTIVITY



MENDS STREET ACTIVATION OUTCOMES

WHAT ARE THE QUICK WINS YOU WOULD LIKE TO SEE HAPPEN...

BELOW ARE THE RESULTS OF OUR PUBLIC VOTE

EVENTS

Popular events include family activities, street festivals, culture, food, outdoor markets with entertainment and music.

INFRASTRUCTURE

Participants most desired lighting, greenery, places to sit and park your bike. Bike maintenance spaces were also desired, as well as a Parisian public plaza, parklets, and skateboarding.



223 COMMENTS RECEIVED!

THE MOST POPULAR TYPE OF EVENT WOULD BE TO CLOSE MENDS STREET FOR SOME TYPE OF FOOD MARKETS AND MUSIC ORIENTATED ACTIVITIES

SHORT TERM INFRASTRUCTURE IMPROVEMENTS SHOULD FOCUS ON LIGHTING, GREENERY AND 'PLAYABLE' SPACES

WE CAN ENCOURAGE BUSINESSES THROUGH EVENTS, MORE SEATING AND CREATING BIKE FRIENDLY AREAS.



ENCOURAGING BUSINESS

Participants believe the best way to encourage business is to increase late night trading, create drop in spaces, more fashion, records and a grocery store.



PLACE REVIEW CONSULTATION

PUBLIC COMMENT PERIOD

The public comment period ran for four weeks, from 22 November to 22 December 2017, and was advertised through all of the City's communication channels, including e-newsletters, direct e-mail, Peninsula Snapshot in the Southern Gazette on 28 November, advert in the Southern Gazette on 5 December, via social media and posters in the South Perth and Manning libraries and the Civic Centre.

The Masterplan Concept Design was on display at a stall at the Mends Street Farmers Market on Sunday 3 December and on the corner of South Perth Esplanade and Mends Street on Thursday 7 December. City staff discussed the designs with passers-by and encouraged them to submit feedback. Over 70 people visited the Farmers Market stall and approximately 15 people visited the corner stall on 7 December.

The City also held an Open Evening on Wednesday 13 December at South Perth Bowling Club at which the project team were available to discuss the designs and answer questions. Approximately 60 people attended.

The feedback form asked for the following questions:

1. Do you have any comments about the Mends Street Foreshore section of the Masterplan?
2. Do you have any comments about the Mends Street North section (between South Perth Esplanade and Mill Point Road) of the Masterplan?
3. Do you have any comments about the Mends Street South and Windsor Park section (between Mill Point Road and Labouchere Road) of the Masterplan?
4. Do you have any comments about the Harper Terrace section of the Masterplan?
5. Do you have any general comments about the Masterplan?

The City received 101 completed feedback forms. Of these responses, 88 responses were from community members who live in the City of South Perth and 13 responses from those living in areas outside of the City. All the feedback has been reviewed and analysed by the project team. This feedback has also been passed on to the consultants for consideration in any revisions to the concept design.

Refer to the CONNECT SOUTH MASTERPLAN CONCEPT DESIGN Community and stakeholder feedback (FEBRUARY 2018) for all responses.



**MENDS STREET
CONNECT SOUTH**

**CONNECT SOUTH
MASTERPLAN CONCEPT DESIGN**
Community and stakeholder feedback

FEBRUARY 2018

www.southperth.wa.gov.au/connectsouth
enquiries@southperth.wa.gov.au
08 9474 0777





PLACE PROPOSITION

PLACE PROPOSITION

PLACE VISION

The Place Proposition is a singular idea that defines and positions the place. The proposition is then supported by a series of place principles and is designed to endure from planning and design through to operational place management and governance and guides the kind of experience that people can expect to have in the place.



Connect South Mends Street is the urban heart of the South Perth Foreshore. It is a local gem and tourist magnet.

An up close Swan River experience and memorable journey to the Perth Zoo, enriched by local stories, make it a family fun destination by day. By night, it transforms into a buzzing and vibrant place set against the spectacular City skyline.

PLACE PROPOSITION

PLACE PRINCIPLES

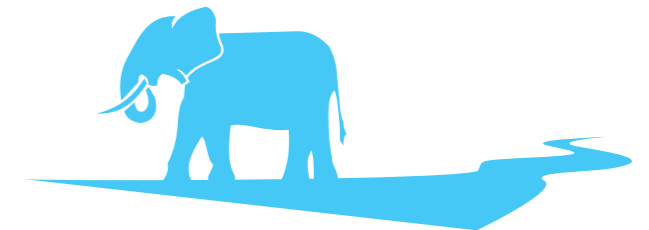
To ensure that the vision is delivered a series of place principles have been developed that act as design drivers to guide the planning and detailing of the project.



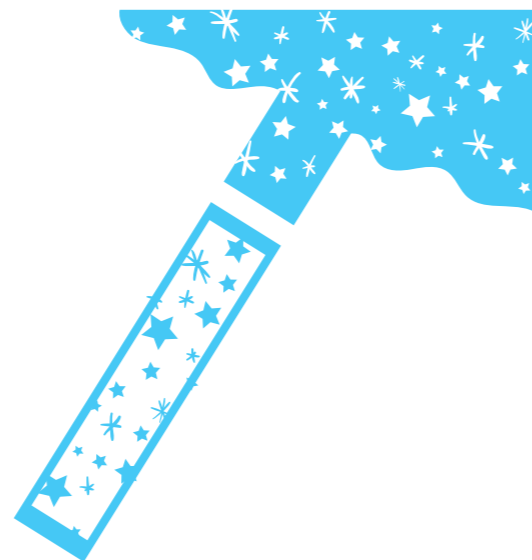
CREATE A LOCAL, REGIONAL AND INTERNATIONAL DESTINATION.



ESTABLISH A GATEWAY TO SOUTH PERTH



CONNECT THE RIVER TO THE ZOO AND THE ZOO TO THE RIVER.



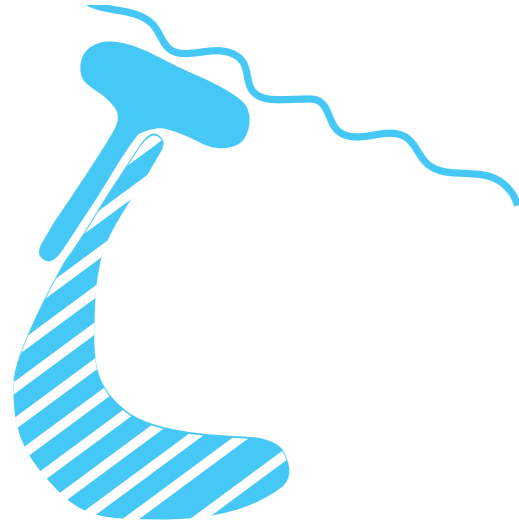
CREATE A RIVER ROOM AND VIBRANT LOCAL STREET THAT IS THE CIVIC HEART OF THE COMMUNITY.



FUN BY DAY; FESTIVE AT NIGHT



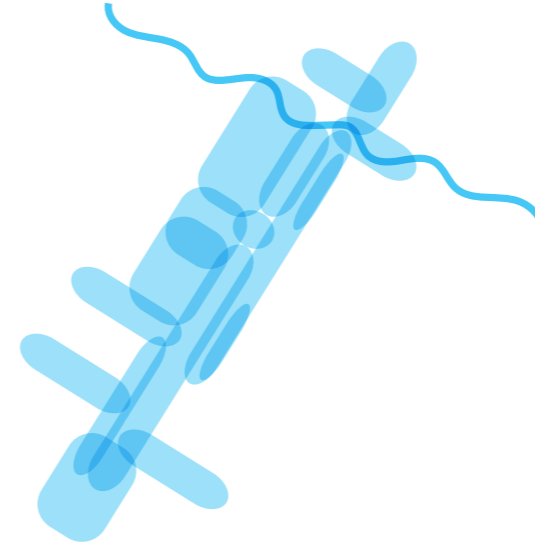
CONNECT AND CELEBRATE ALTERNATIVE MODES OF TRANSPORT.



CELEBRATE THE NATURAL CHARACTER OF THE SWAN AND THE EXOTIC CHARACTER OF THE ZOO.



CELEBRATE THE VIEW.



DEVELOP AN ACTIVATION STRATEGY IS THE AMALGAMATION OF MANY SMALL IDEAS.



IMPROVE THE PEDESTRIAN EXPERIENCE.



ENHANCE PLACE THROUGH LOCAL STORIES.



SPARK PROSPERITY TO CREATE ECONOMIC STIMULUS, MORE CHOICE AND A GREAT EXPERIENCE.

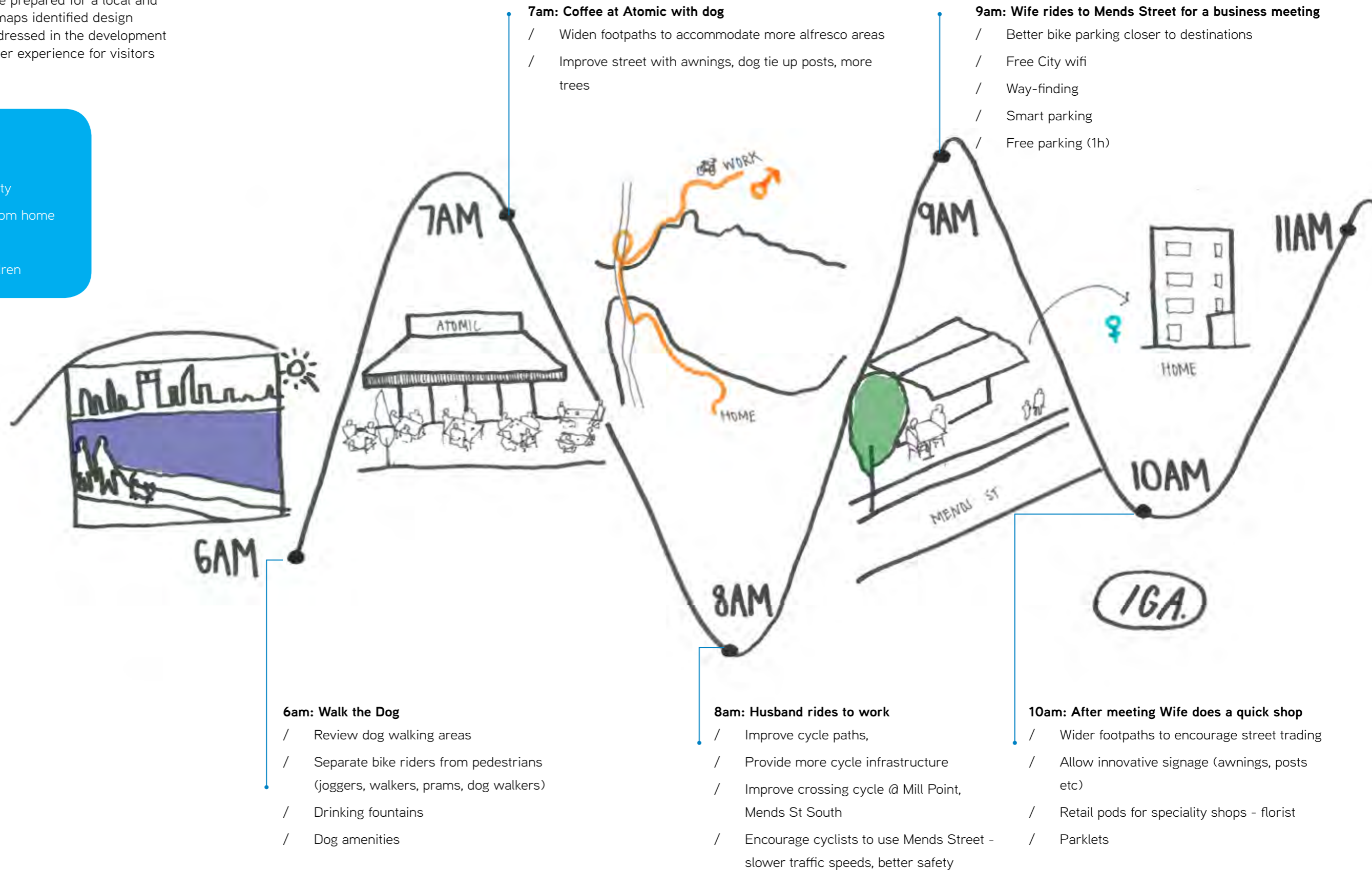
PLACE PROPOSITION

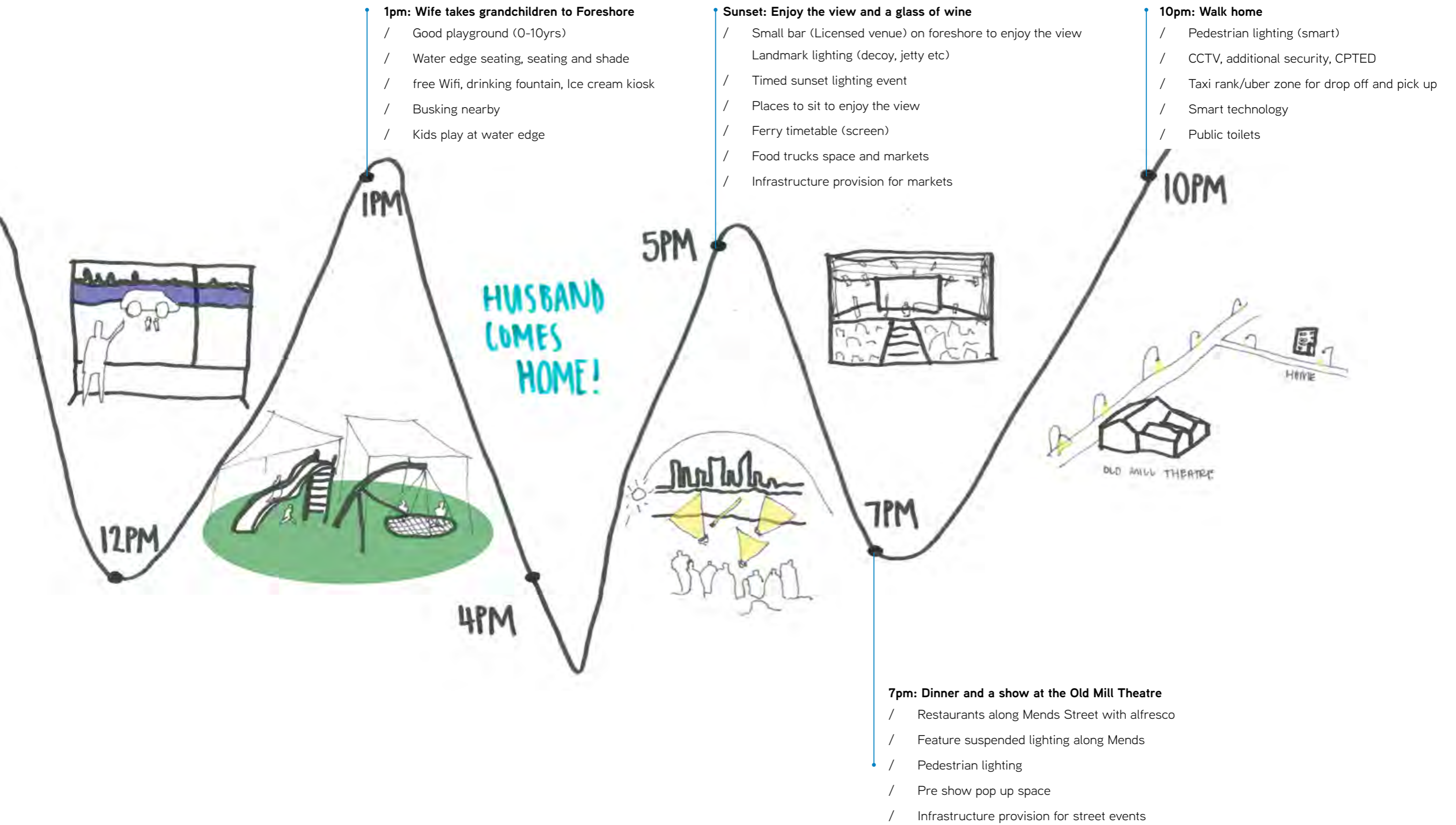
EXPERIENCE MAP: A LOCAL EXPERIENCE

To better understand the opportunities for visitors to Mends Street two experience maps were prepared for a local and international user group. These maps identified design considerations that should be addressed in the development of the public realm to build a better experience for visitors to Mends Street.

WHO?

- / Empty nesters (couple)
- / Husband- works in the City
- / Wife - works part-time from home
- / 1 small dog
- / Help look after grandchildren



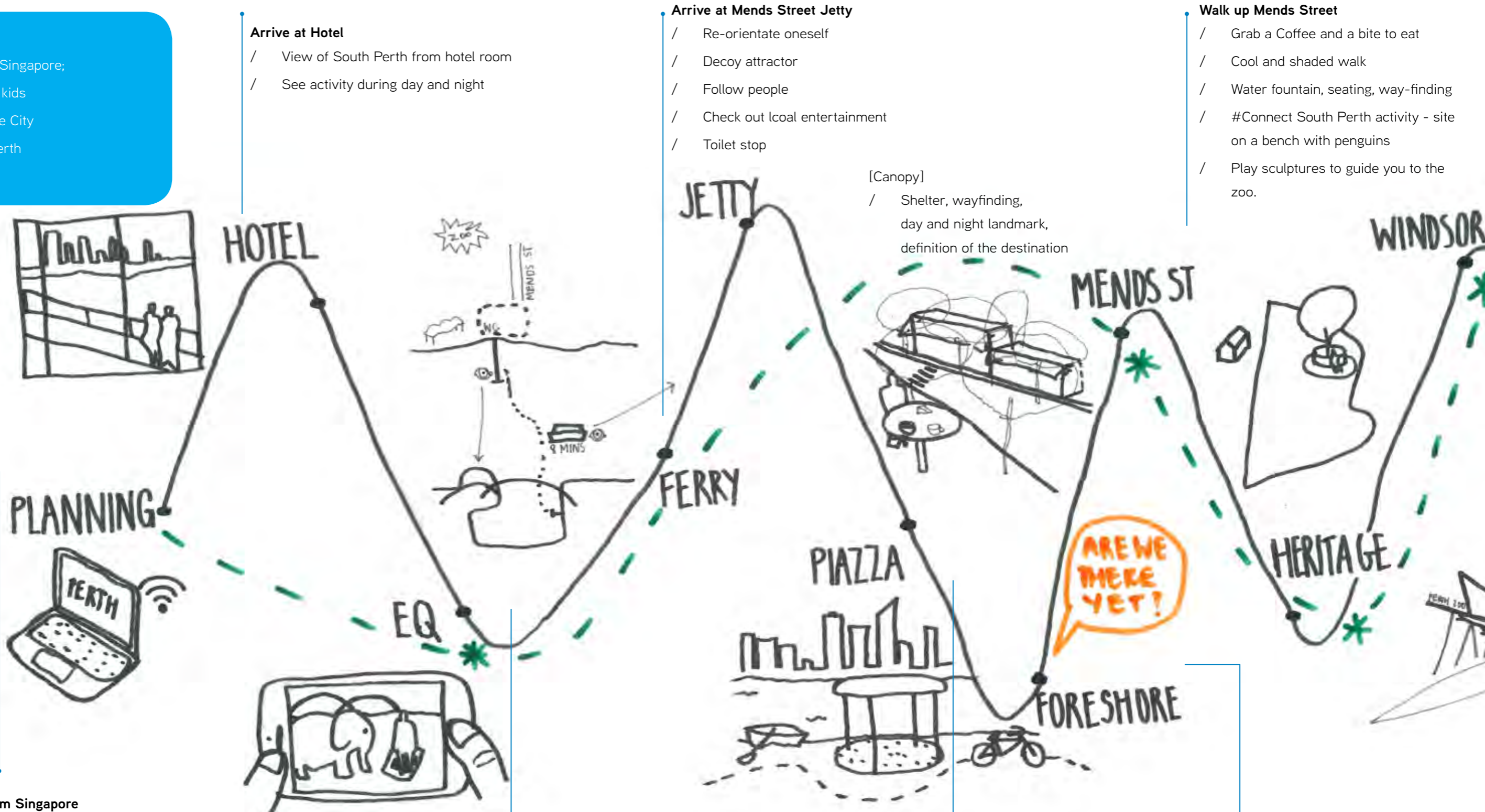


PLACE PROPOSITION

EXPERIENCE MAP: A TOURIST EXPERIENCE

WHO?

- / Family from Singapore;
- / mum, dad, 2 kids
- / Staying in the City
- / 3rd day in Perth



Arrive at Hotel

- / View of South Perth from hotel room
- / See activity during day and night

Arrive at Mends Street Jetty

- / Re-orientate oneself
- / Decoy attractor
- / Follow people
- / Check out local entertainment
- / Toilet stop

Walk up Mends Street

- / Grab a Coffee and a bite to eat
- / Cool and shaded walk
- / Water fountain, seating, way-finding
- / #Connect South Perth activity - site on a bench with penguins
- / Play sculptures to guide you to the zoo.

[Canopy]

- / Shelter, wayfinding, day and night landmark, definition of the destination

Planning from Singapore

- / Activities that are close with easy access,
- / Iconic destination with multiple activities
- / Word of mouth & popularity
- / Kids focus

Catch Ferry from EQ

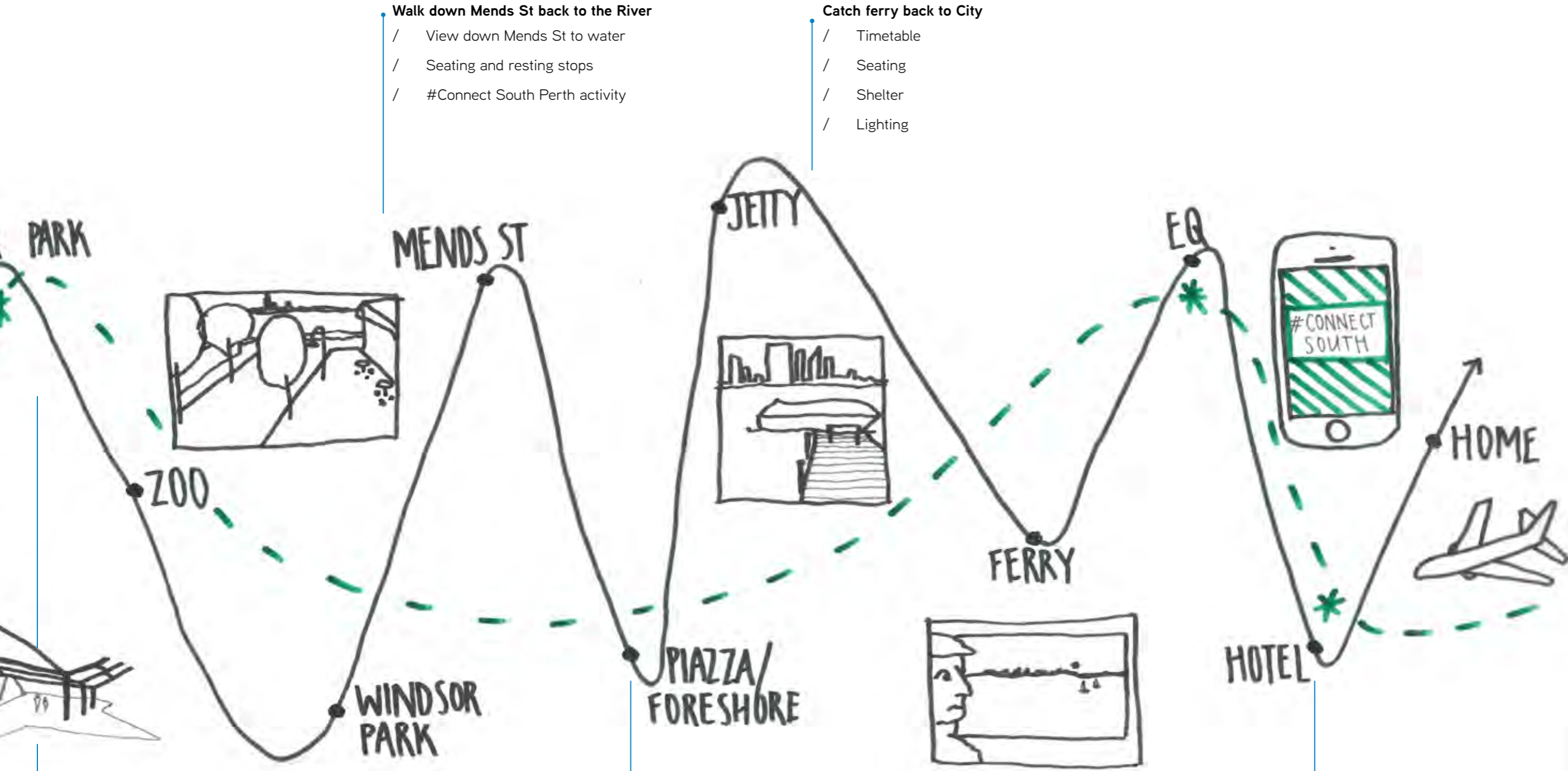
- / Download #Connect South Perth App (Geo-location - augmented reality)
- / Interactive wayfinding with river stories, things to do, old photos

Arrive in Piazza

- / "River Room"
- / Aboriginal culture/heritage
- / View of city
- / Water edge activity: paddle boats, river stories, touch water, sunlight
- / Bike hire

Explore Foreshore

- / Playground & picnic shade
- / Topographic playspace
- / Corporate Events
- / Pick up tourist bus



- **Walk down Mends St back to the River**
 - / View down Mends St to water
 - / Seating and resting stops
 - / #Connect South Perth activity

- **Catch ferry back to City**
 - / Timetable
 - / Seating
 - / Shelter
 - / Lighting

- **Tram Stop**
 - / Tram - interactive barrier
 - / May Gibbs
 - / Events, function centre, community focus

- **Hang out at Piazza for dinner and sunset**
 - / Photo opportunity: twilight view,
 - / Events, movies, night markets, buskers
 - / Watch sunset, timed event, Waugal light show
 - / Playground, small bar, projection screen, shelter from wind
 - / Electronic variable signage integrated into shade structure

- **Arrive back at the Hotel**
 - / Upload photos on Facebook
 - / Look at #Connect South Perth images on instagram - share with freinds

DESIGN NARRATIVE

DESIGN NARRATIVE

PLACE THEMES

Throughout the range of workshops and events that were held three key themes emerged that were significant in shaping the development of South Perth and defining its character. These included:

The Perth Zoo

The Zoo was established in 1898 and its animal exhibits and botanical gardens became a popular destination for the residents of Perth. Its establishment led to the formalization of the ferry service, the development of Mends Street and the construction of buildings such as the Windsor Hotel. The Zoo continues to be an important part of the City's identity and economy attracting local and international visitors to South Perth.

The Garden Suburb

In addition to the construction of the Zoo botanical gardens the City has prided itself on being a garden suburb. In the 1920's the City commenced a beautification project which saw the planting of hundreds of street trees which would eventually turn the peninsula into a series of beautiful garden suburbs. South Perth is to this day admired for the magnificent tree and shrub planting throughout the suburb which is a key feature of the City's identity.

Public Transport

Public transport has also played a significant role in the development of the City. From the first ferry crossing in 1833; to the establishment of the first ferry service on the Duchess in 1898; to the Tram services which ran from 1922 – 1950 through to the Intellibus trial on the foreshore; transport has helped to connect and grow South Perth. It is continuing to shape the City with the increase in commuter numbers following the completion of Elizabeth Quay.

In addition to these key themes, the foreshore is underpinned by strong indigenous connections to the site that the aboriginal people, who have lived on the southern shore of the Swan River for thousands of years, have had.



PERTH ZOO



THE GARDEN SUBURB



PUBLIC TRANSPORT



ABORIGINAL HERITAGE & CULTURE

DESIGN NARRATIVE

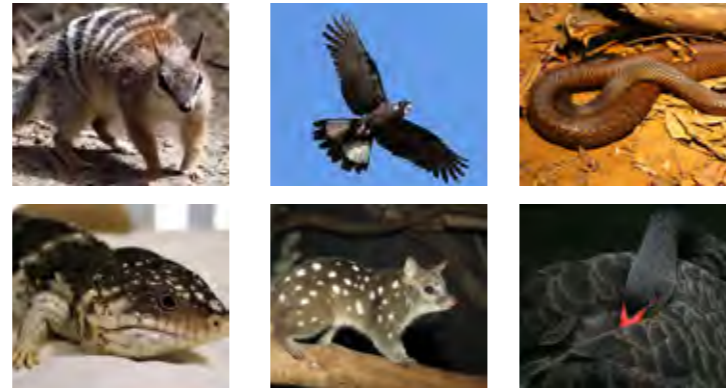
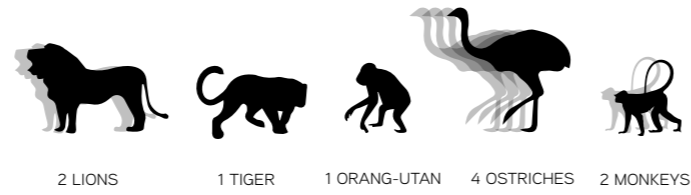
STORY LINES

The design team has been working to develop a concept that draws on these story lines to develop a public realm that recognises the unique character and history of the area, whilst developing a contemporary urban heart for the South Perth Foreshore that will become a destination for local and national visitors and support the daily activities of the surrounding residents and businesses.

These story lines are represented within the project in the development of the spaces, the selection of materials, patterns and colours and the design of shade structures, lighting and furnishings which we will outline in the following slides.

ZOO / ANIMAL PARADE

- First Zoo Animals
- Native & Exotic
- Close Encounters



GARDEN SUBURB

- Tree lined streets
- Zoo botanical gardens
- Green Identity



PUBLIC TRANSPORT

- Mends Street Jetty
- The Duchess
- Tram
- Intellibus



MASTER PLAN

MASTER PLAN

OVERALL PLAN

The master plan has been developed for the entire Connect South Mends Street precinct including the Foreshore, Mends Street, Harper Terrace and Windsor Park. This has been developed to create a strategic vision for the public realm that can be implemented in stages by the City.

The master plan creates a cohesive character for the precinct that celebrates the areas unique history and outlines high-level concepts for improving the public realm.

Following the development of the master plan, Node 1 on the foreshore has been further developed into a stage 1 concept plan for the Piazza space which aligns with the National Stronger Regions and City of South Perth funding for the project.

These works will implement the key components of the foreshore area and provide a series of short term upgrades to Mends Street which will enhance the streetscape whilst the major developments in the area are taking place.



SCOPE OF WORKS



MASTER PLAN

- CONNECT SOUTH MASTER PLAN EXTENTS
- INDICATIVE SCOPE FOR WORKS COMPLETED BY DECEMBER 2019 (NODE 1 - PIAZZA AND MENDES STREET MINOR UPGRADES)

MASTER PLAN FORESHORE

The brief for the foreshore area called for the creation of a Piazza space that would become a key civic space for the community and a gateway to South Perth. It is to be a destination space on the banks of the Swan River that can be seen from Elizabeth Quay and Kings Park and a space that welcomes visitors and commuters to South Perth. The project will be a beacon (day and night) to create a reference point for South Perth, particularly from the City and from Kings Park. It should celebrate and frame Perth's most extraordinary view and be fun by day and festive by night.

The project has also been designed to interface with a number of future stages including upgrades to the Mends Street Jetty to accommodate additional ferry services and short term moorings by the Department of Transport and a future pier.



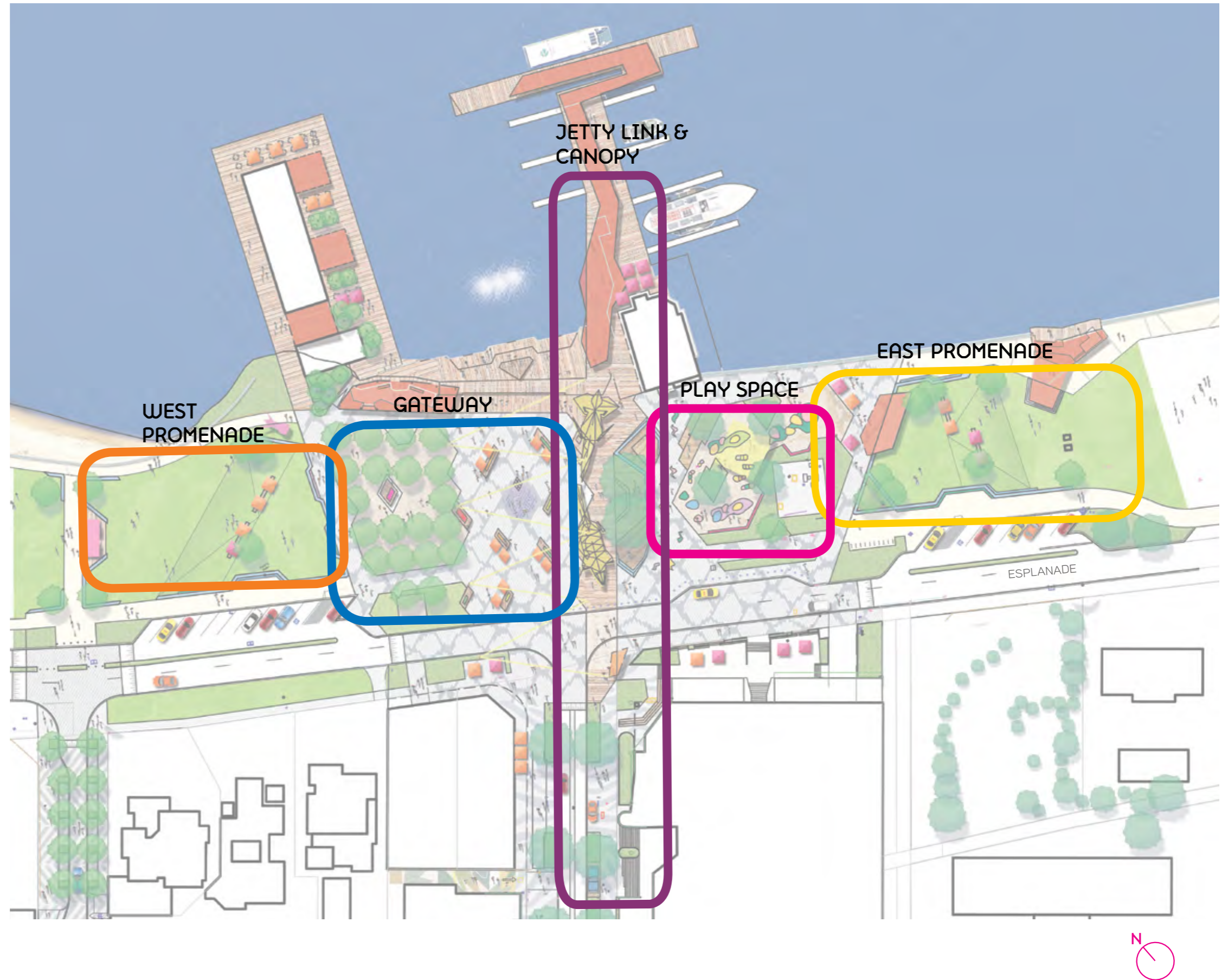
MASTER PLAN

FORESHORE FRAMEWORK

The foreshore project extends from Harper Terrace in the west to the existing seating node on the eastern side of the playground and is made up of five spaces along the foreshore:

1. The West Promenade
2. The Gateway
3. The Jetty Link and Canopy
4. The Play Space
5. The East Promenade

Together these spaces have been designed to support a range of activities, social interactions and users groups and integrate the design themes.



MASTER PLAN

FORESHORE USERS GROUPS & ACTIVITIES

Following the consultation period and a review of local demographic information, the team identified a range of users who are most likely to utilise the space. In addition the team identified a range of users who it felt would be important to attract to the site in order to make a successful new public space.

Based on these users groups a series of destination drivers were developed that could be included with the design of the space to create an active and vibrant public space that would engage local, regional and international visitors to the site.

WEST PROMENADE

40 X 25m
1000m²

USERS

- / Families
- / Commuters
- / Tourists
- / Local residents
- / City Visitors

ACTIVITIES

- / Small Events (up to 850people):
 - Concerts
 - Outdoor movies
 - Festivals (small specialty)
 - Food/ Night markets
 - Summer venue (bar + music)
 - Chair hire adjunct/overflow from Piazza
- / Playing – Lawn games
- / Lounging and sun bathing
- / Touch the water - Paddling, wading
- / Cycling
- / Sitting
- / Events – adjunct / overflow from the Piazza
- / Lunch break
- / People watching
- / View
- / Photography
- / Fishing
- / Sunset picnic
- / Playing

GATEWAY

25 X 50m + 20 X 25m
1250m² + 500m²

USERS

- / Families
- / Commuters
- / Tourists
- / Local residents
- / Zoo patrons
- / City Visitors

ACTIVITIES

- / Meeting
- / Orientating
- / Sitting + Viewing
- / Relaxing + sun bathing
- / Small Events (up to 850people) night markets, food markets, craft markets, music, dance
- / Touch the water
- / Lunch break
- / Coffee break
- / People watching
- / Site
- / Photography
- / Night time promenading
- / Light show
- / Learn
- / Discovery

LINK

USERS

- / Families
- / Commuters
- / Tourists
- / Local residents
- / Zoo patrons
- / City Visitors

ACTIVITIES

- / Arriving + Departing
- / Walking
- / Sitting
- / Waiting
- / Busking
- / Coffee break
- / People watching
- / Photo opportunity
- / Site seeing
- / Fishing

PLAY SPACE

USERS

- / Children
- / Parents
- / Grandparents
- / Tourists
- / Local residents
- / Zoo patrons

ACTIVITIES

- / Play
- / Explore
- / Learn
- / Discover
- / Meet people
- / Photo opportunities
- / Quick food - ice cream
- / People watching
- / Picnic

EAST PROMENADE

45 X 100m
4500m²

USERS

- / Cyclists
- / Walkers
- / Local residents
- / Event guests/ patrons
- / Families

ACTIVITIES

- / Medium Events:
 - Concerts
 - Outdoor movies
 - Weddings
 - Corporate Events
 - Festivals (kite, small specialty)
- / Cycling
- / Sitting and relaxing
- / Lunch break
- / Coffee break
- / People watching
- / Promenading - dog walking
- / View
- / Photography
- / Artwalk
- / Temporary art exhibition

MASTER PLAN

FORESHORE - WEST PROMENADE

The west promenade is a framed open lawn area adjacent to the existing beach that will be a flexible event space. The proposed upgrades would include the provision of new footpaths, seating, lighting and shaded areas to support users of the beach and foreshore.

The area will support casual activities such as lounging, sunbathing and picnicking and can also host small pop-up events such as yoga classes and outdoor movies.

LEGEND

- ① Animal Themed Threshold
- ② Grass Embankment with Seating
- ③ Event Lawn
- ④ Seating Wall
- ⑤ Seating Nook
- ⑥ Picnic Shelter
- ⑦ New Pedestrian Path
- ⑧ Shared Pedestrian Space

CONCEPT



VIBE IMAGES



MASTER PLAN

FORESHORE - GATEWAY

The Gateway is the key space within the foreshore area consisting of the Bosque area on the left, which is a gravel plaza set beneath a grid of mid-height trees, and the Piazza, which is an open plaza space connecting Mends Street to the waters edge.

The Piazza is the key civic and events space for the community. Its is a paved open space that extends the character of Mends Street down to the waters edge and will include a range of furnishings throughout the space to support social gatherings.

The piazza will act as a welcoming space to people disembarking the ferry and will be large enough to host a range of activation events including dancing and markets. The space will also celebrate indigenous culture and connection to place with a fire pit for ceremonial events and an the opportunity for a significant indigenous artwork. The piazza will also includes suspended lighting and an illuminated floor so that the plaza can be support night time activities and will have a visual presence from Kings Park and Elizabeth Quay.

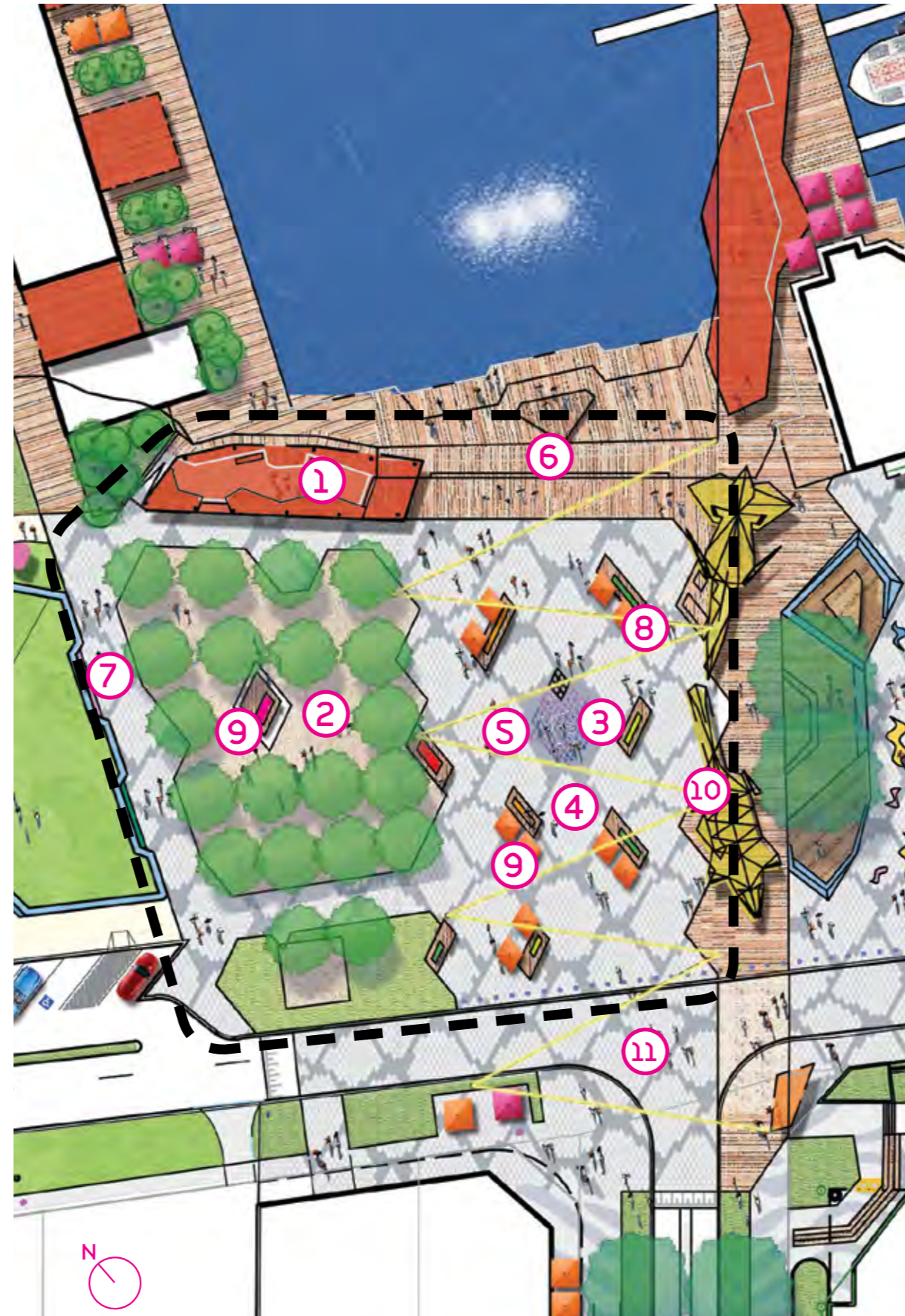
The Bosque will be a French style gravel plaza filled with loose furniture, reinforcing the Garden Suburb theme and providing users with a shaded flexible gathering space on the western edge of the Piazza. The Bosque provides a great location for informal lunches and social gatherings on the foreshore. It can also be used for small scale events and provides a place for rest and respite.

LEGEND

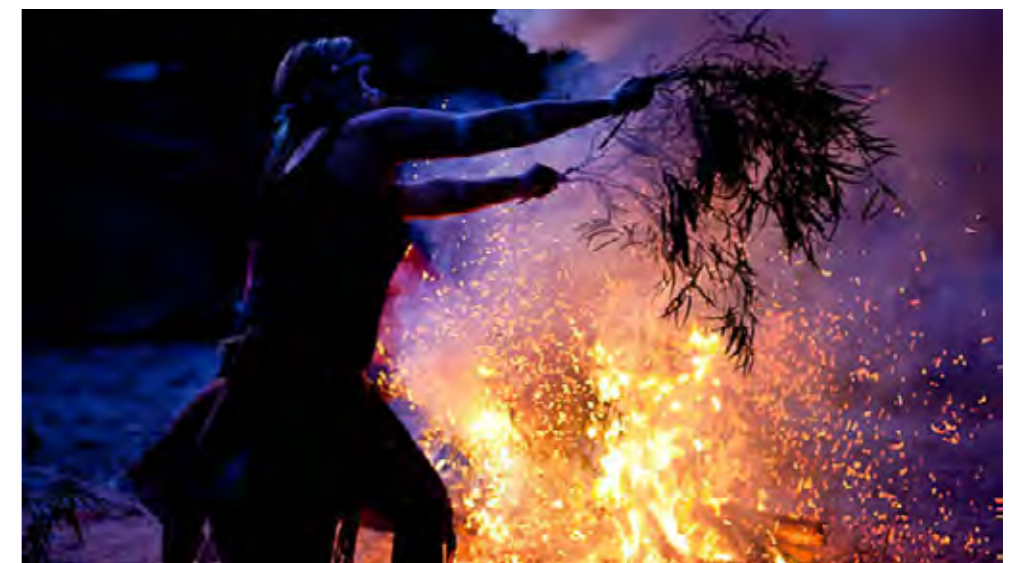
- ① Canopy to Existing Seating Area
- ② Bosque with Loose Furniture
- ③ Illuminated Floor Plane
- ④ Piazza
- ⑤ Firepit/Yarning Circle
- ⑥ Feature Timber Edge to Piazza
- ⑦ New Pedestrian Path to Pier
- ⑧ Suspended Catenary Lighting
- ⑨ Custom Furniture Elements
- ⑩ Canopy Seating
- ⑪ Shared Pedestrian Space

CONNECT SOUTH MENDS STREET

CONCEPT



VIBE IMAGES



MASTER PLAN

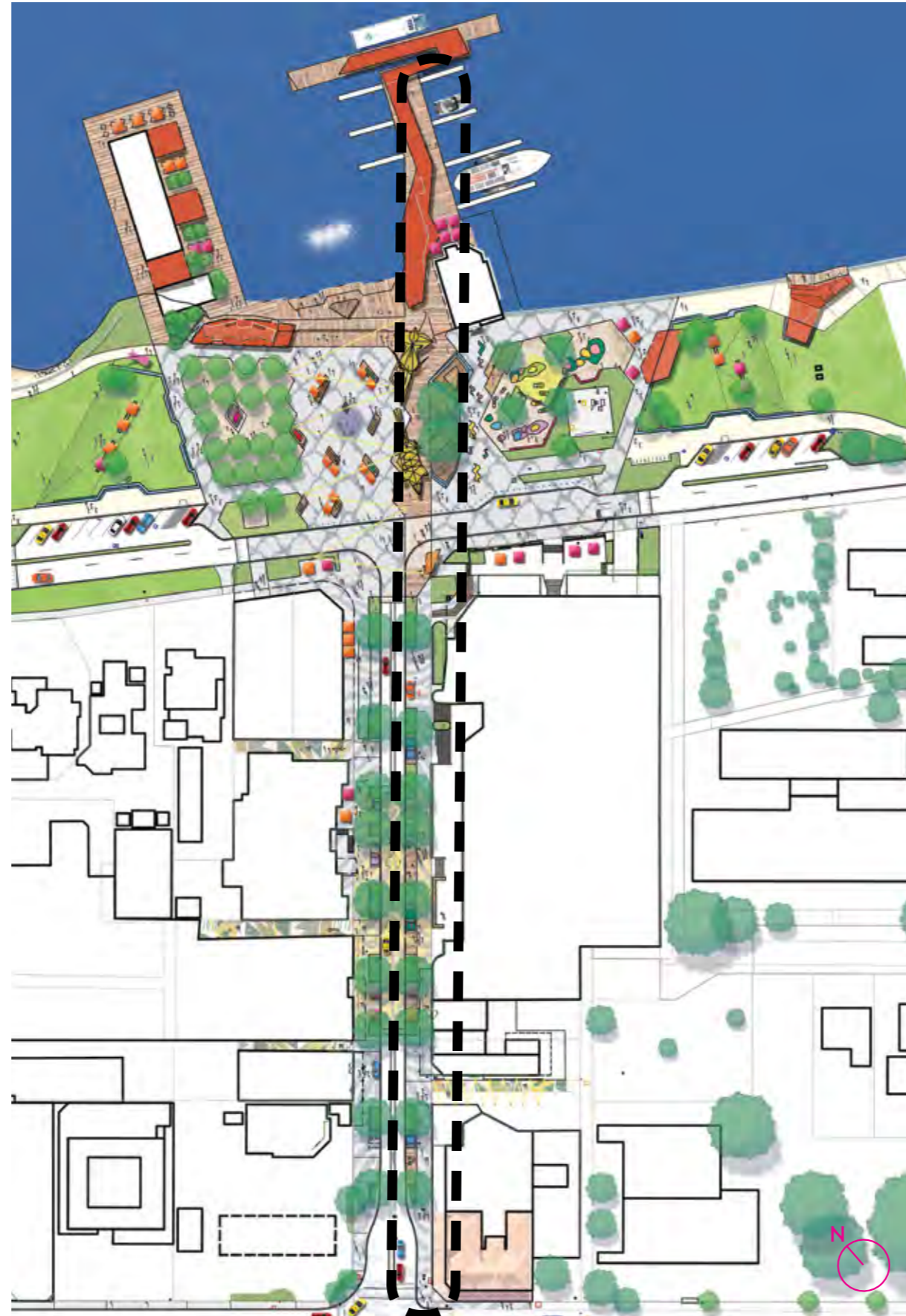
FORESHORE - JETTY LINK

The Link is a design idea that emerged from one of our consultation events which was to bring the character of the jetty up Mends Street to create a stronger connection between Mends Street and the river and to provide wayfinding to visitors as they make their way to the Zoo.

For over a century, the jetty has been part of the South Perth foreshore and holds considerable historic and heritage value, as it was a catalyst for the development of the Mends Street commercial area and success of the Perth Zoo. The link will consist of a timber pavement and furniture which will extend up alongside the Piazza and up Mends Street creating new seating and alfresco spaces.

Within the foreshore area the link will include three additional elements – the canopy, the Duchess seating area and the close encounters sculptural walk.

CONCEPT



VIBE IMAGES



MASTER PLAN

FORESHORE - JETTY LINK CANOPY

Two new canopy structures have been designed over the link area and nestled into the existing plane trees. These canopies have been conceptually designed to tell the story of the Animal Parade narrative.

The architects have developed concepts for two canopies which will be folded structures that will provide shade and weather protection for ferry users and act as a landmark for visitors. The shelters will include signage, ticket machines and furniture beneath and will be illuminated at night.

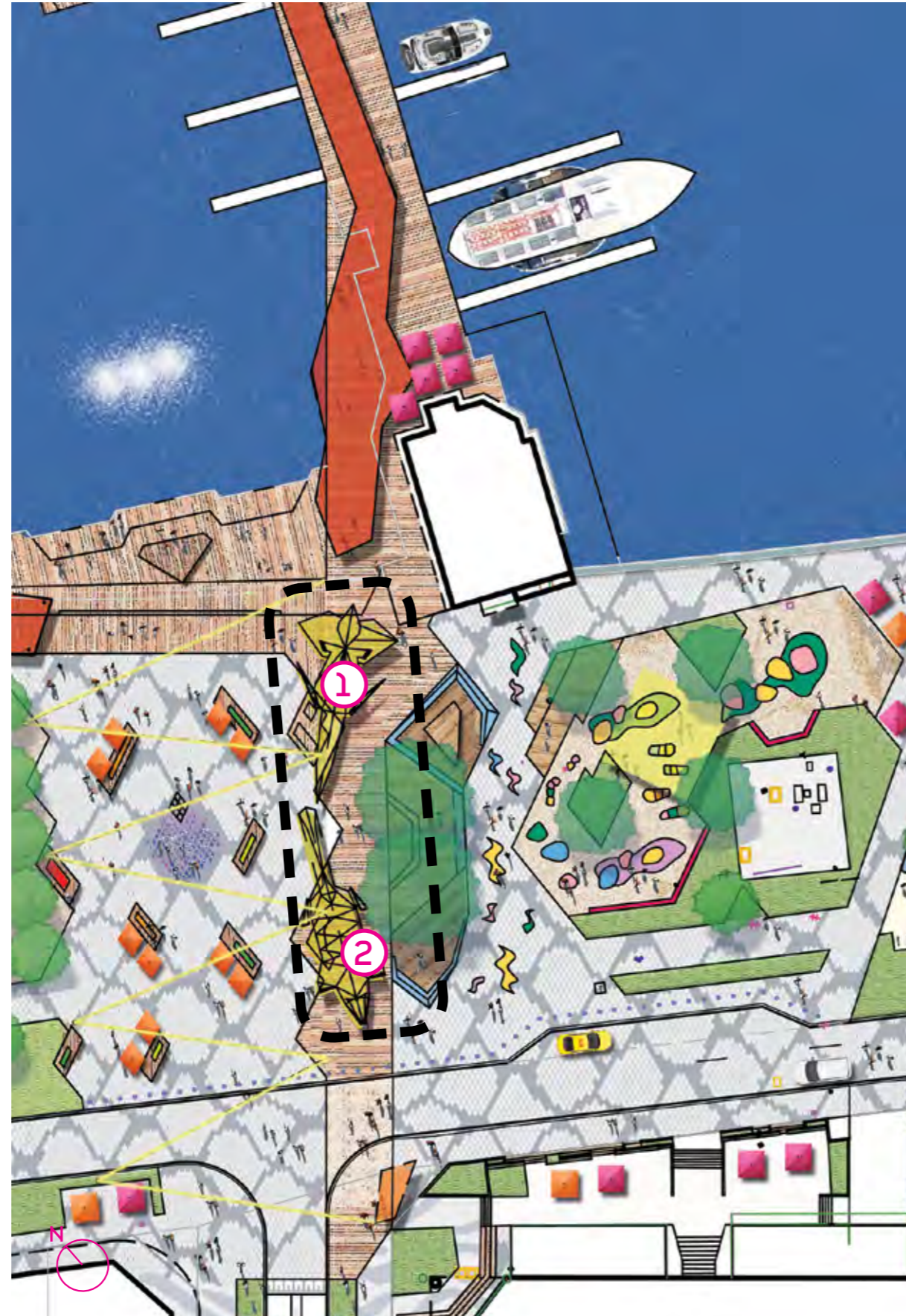
The canopy structures have been designed as sculptural and abstracted elements when viewed up-close but creating a strong and identifiable image from Kings Park, Narrows Bridge and Elizabeth Quay.

Refer to the Design Elements chapter for further details.

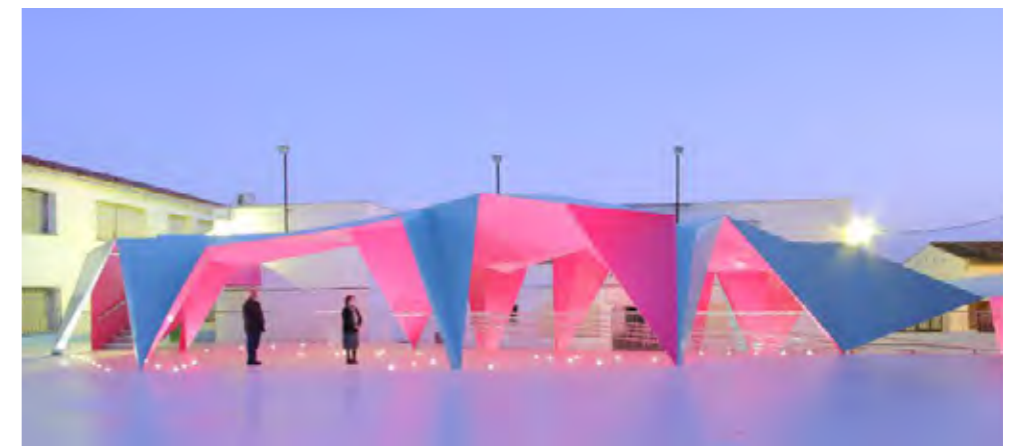
LEGEND

- ① Canopy 1 - Lizzard inspired
- ② Canopy 2 - Numbat inspired

CONCEPT



VIBE IMAGES

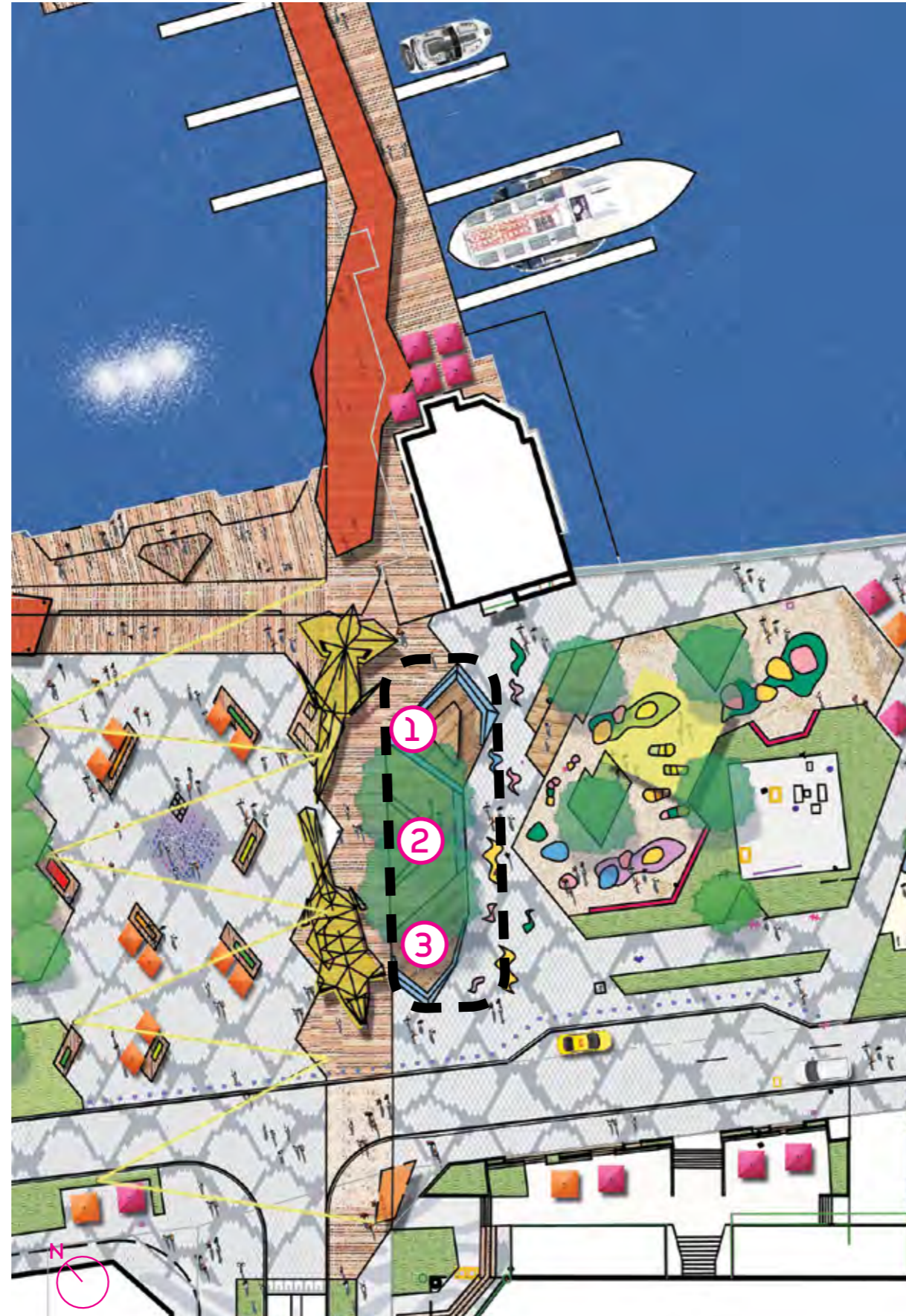


MASTER PLAN

FORESHORE - JETTY LINK SEATING

As part of the heritage theme, an interpretative lounging deck is included that offers a place to sit under the shade of two existing trees. The lounging deck references the Duchess, a locally constructed ferry that carried large groups of people across the river from 1898 until 1927. It started operation two months after the Perth Zoo opened and dramatically increased the number of visitors to the zoo. The Platform reconnects people to the past and contributes to the sense of place of South Perth Foreshore. The Platform is an interpretative lounging deck where people can watch over their children in the Playspace or Plaza under the shade of the existing mature trees, wait for the next ferry, or enjoy the music from local buskers.

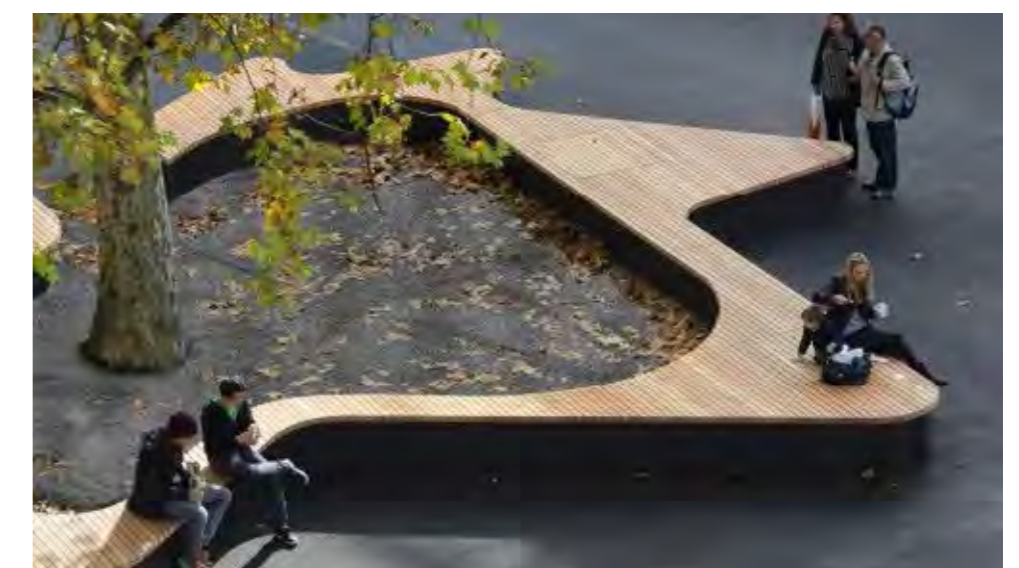
CONCEPT



LEGEND

- ① Seating Area 1 (under existing tree)
- ② Stage Area (under existing trees)
- ③ Seating Area 2 (under existing tree)

VIBE IMAGES

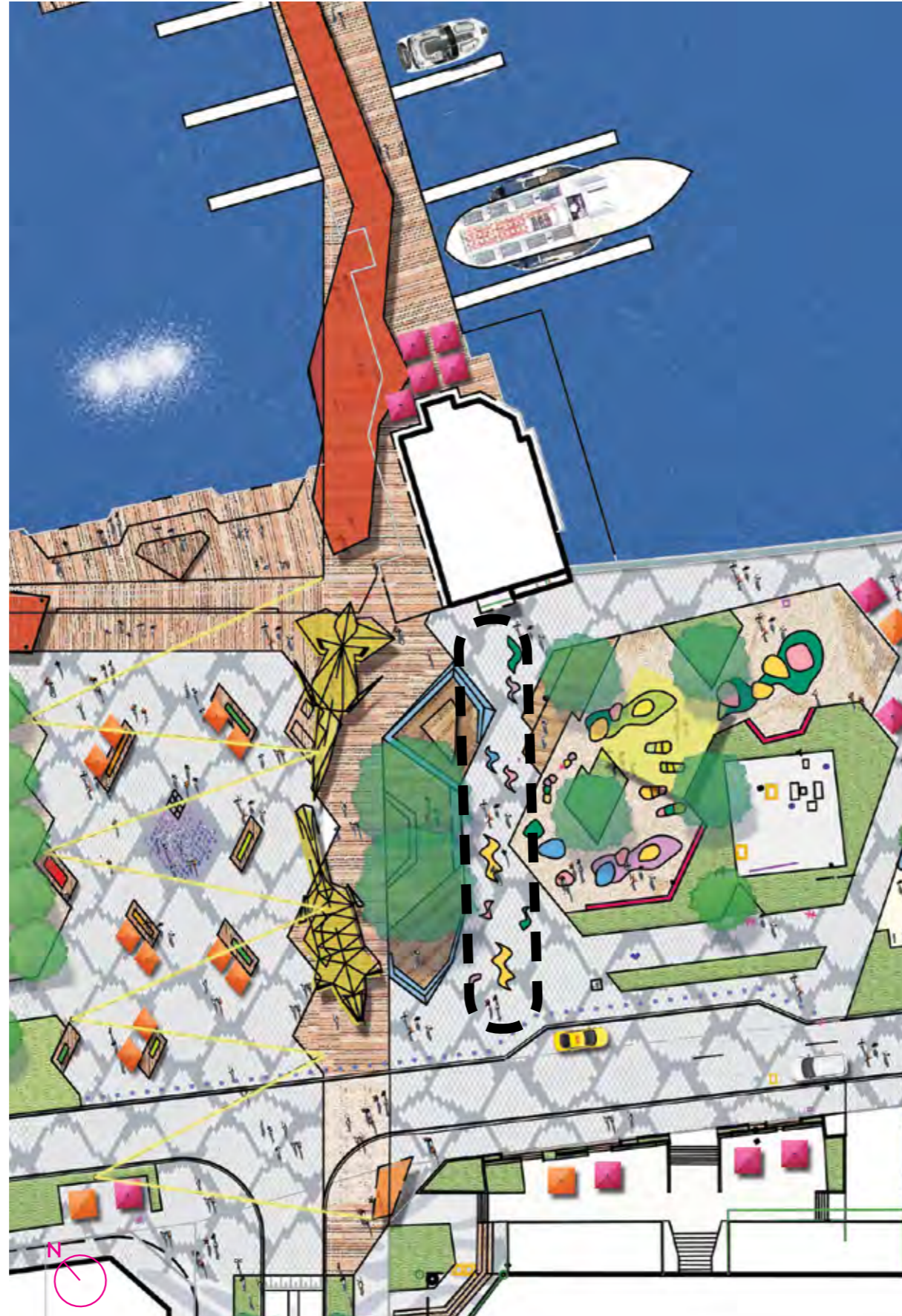


MASTER PLAN

FORESHORE - JETTY LINK CLOSE ENCOUNTERS

As an alternative path from the Mends Street Jetty, visitors can follow a series of native and exotic animal sculptures to Mends Street. Designed to be fun and tactile wayfinding elements, children can touch, climb and search for the sculptures as an interactive opportunity to explore. The sculptures are placed beside the animal canopies and throughout Mends Street, and read as a family of animals travelling back to the zoo, hinting people to follow them.

CONCEPT



VIBE IMAGES



MASTER PLAN

FORESHORE - PLAY SPACE

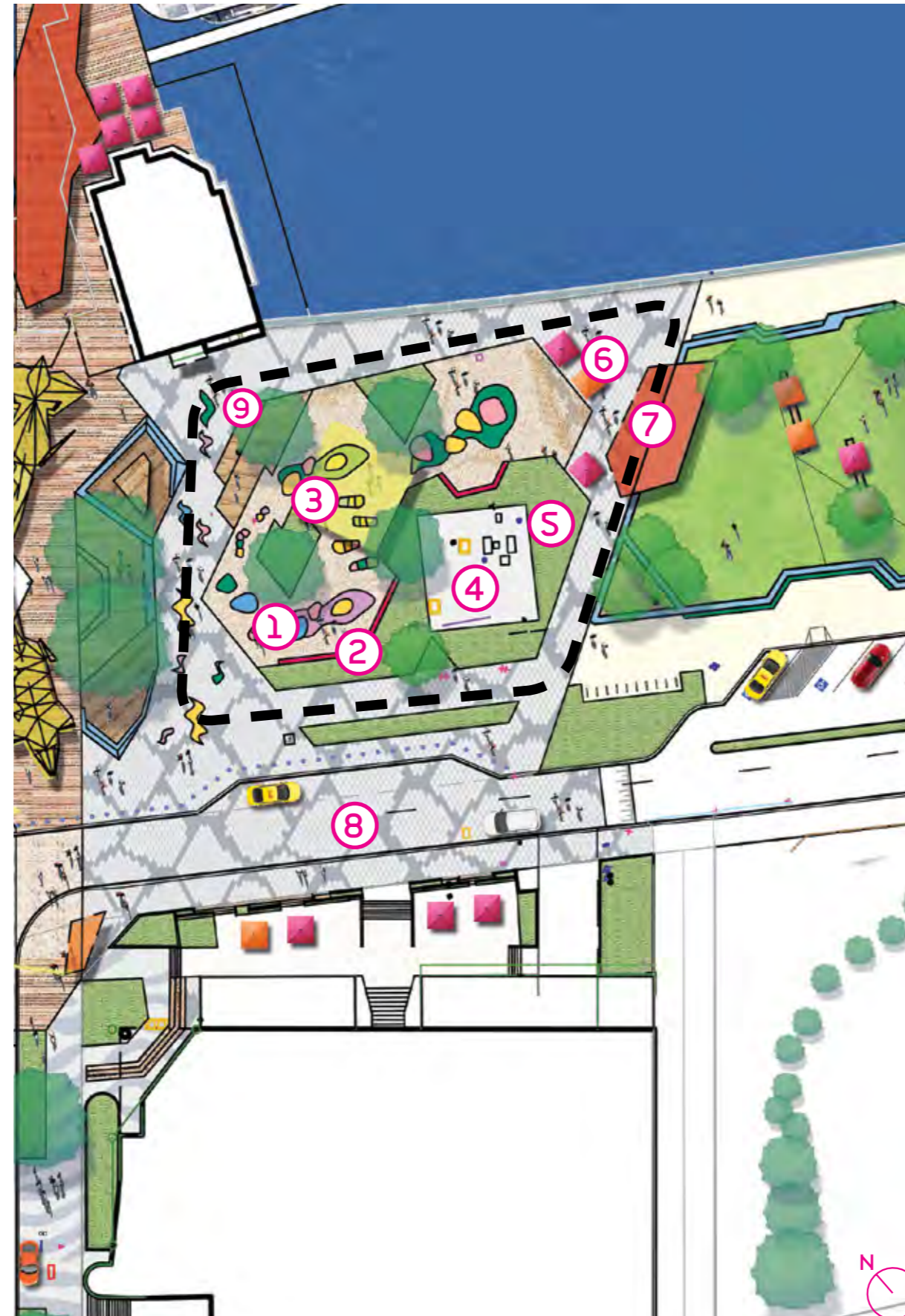
The master plan proposes an upgrade to the successful existing play space on the foreshore to strengthen the family focus of the foreshore.

Continuing with the animal theme the play space will feature an animal-themed play environment for children to play, explore and learn about indigenous animals. The play spaces will be set amongst the existing trees and include seating areas for parents.

LEGEND

- ① Custom Animal Themed Play Equipment
- ② Parent Bench Seating
- ③ Existing Shade Canopy
- ④ Existing Pump Station
- ⑤ Screen Planting to pump station
- ⑥ Alfresco Area for Kiosk
- ⑦ Kiosk and Universal Toilet
- ⑧ Shared Pedestrian Space
- ⑨ Existing Trees

CONCEPT



VIBE IMAGES



MASTER PLAN

FORESHORE - EAST PROMENADE

Like the West promenade the East promenade is a framed open lawn area that will be a flexible event space.

The proposed upgrades would include a location for a future kiosk and toilet block to support the play space, new footpaths, seating, lighting and shaded areas and a small stage to host community performances.

LEGEND

- ① Kiosk and Universally Accessible Toilets
- ② Grass Embankment with Seating
- ③ Event Lawn
- ④ Seating Wall
- ⑤ New Shelter to Existing Lookout
- ⑥ Small Stage for Community Events
- ⑦ New Pedestrian Path
- ⑧ ACROD & Short Term Parking

CONCEPT



VIBE IMAGES



MASTER PLAN

FORESHORE - FUTURE PIER & JETTY UPGRADES

During the development of the foreshore strategy and funding program a future pier was proposed to provide additional activities within the foreshore area. The concept design has further developed and integrated the design of the pier into the development of the master plan.

The new pier could include retail and alfresco opportunities and a pedestrian walk around its perimeter offering iconic views of the South Perth foreshore and the City of Perth. The pier has been conceptually designed to tie back into the stage 1 works.

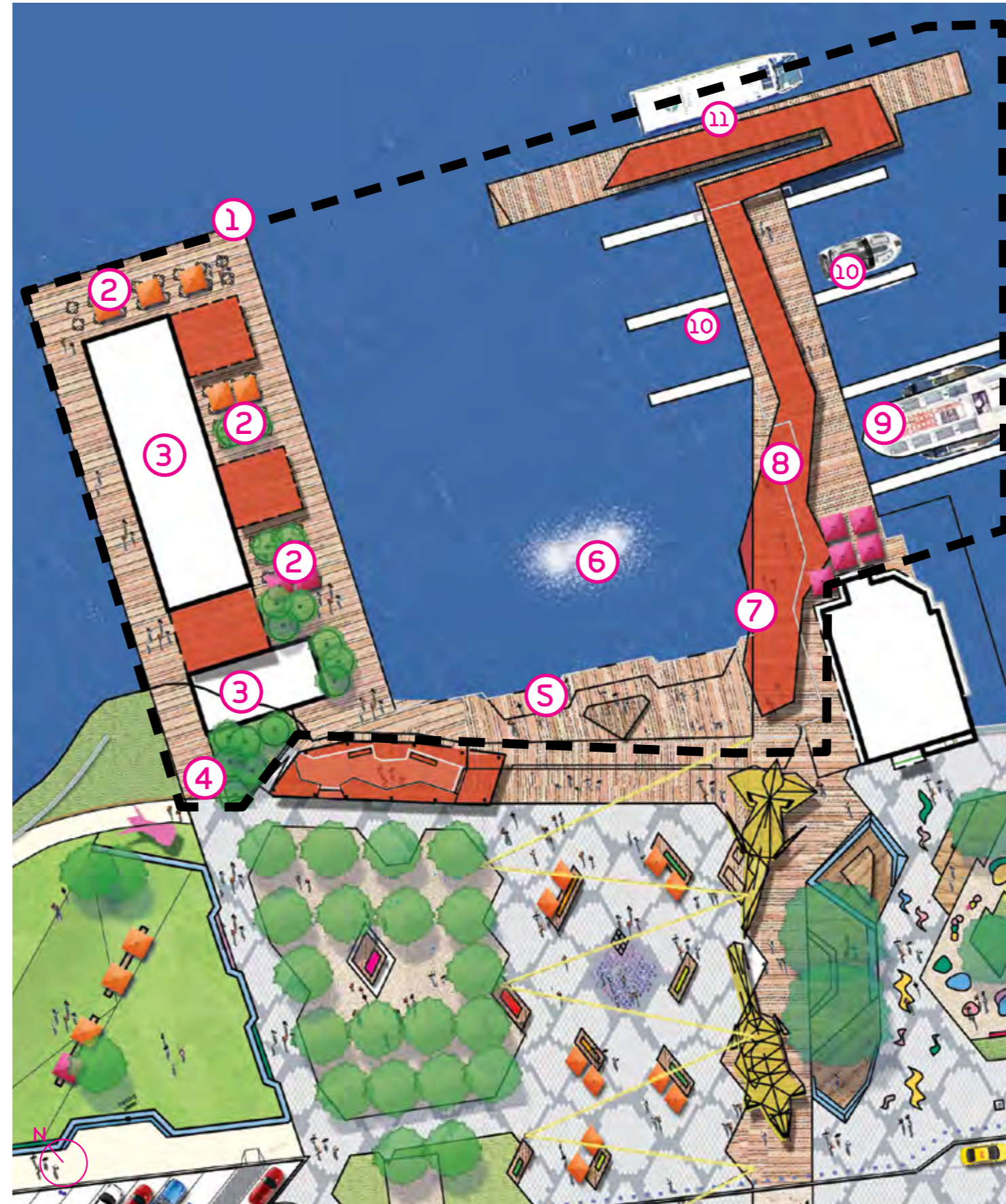
A series of new timber terrace steps have been proposed at the water's edge connecting the Piazza space to the Swan River and providing a hangout space at the water's edge to watch the sunset across the city and water projection shows.

Finally, a series of upgrades are proposed to the existing jetty by the Department of Transport that would provide improved pedestrian connections, a new canopy to provide weather protection to commuters, short term recreational moorings and additional ferry berths.

LEGEND

- ① Proposed Future Pier
- ② Alfresco Seating
- ③ Future Kiosk/Restaurant/Bar
- ④ Connection to Stage 1 works
- ⑤ Terraced Steps to Water
- ⑥ Water Feature / Projections
- ⑦ Widen Jetty to improve pedestrian connections
- ⑧ Canopy
- ⑨ Decoy
- ⑩ Short term recreational moorings
- ⑪ Expansion of the current jetty for additional ferry berths

CONCEPT



VIBE IMAGES



MASTER PLAN

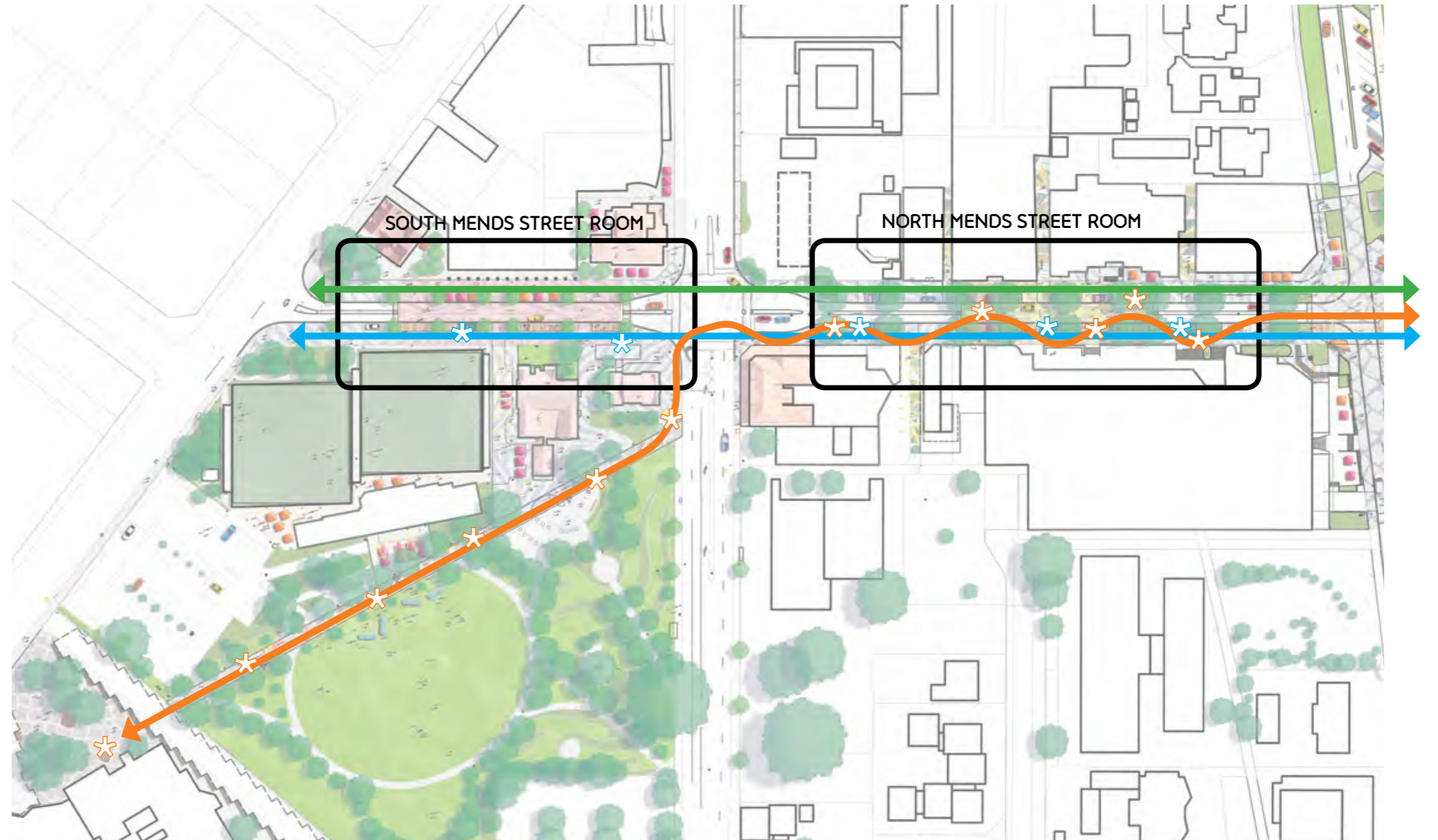
MENDS STREET FRAMEWORK

The design of Mends Street takes its cues from the themes that have been developed within the foreshore area.

In the long term, the street will be reorganised to prioritise public space, provide amenity to support users and traders, create a unique identity and brand for Mends Street and include a range of attractions and destinations.

The master plan proposes to create two rooms along Mends Street. These rooms will be shared pedestrian spaces which will slow traffic and improve the pedestrian experience. The north Mends Street room is focused on creating a new retail and alfresco environment, whilst the south Mends Street room creates a heritage precinct celebrating the heritage buildings at the intersection of Mill Point Road and Mends Street.

In addition to the rooms the plan enhances the planting up Mends Street, continues the Link which will tell the story of the tram and include a series of moments which will interpret the transport and zoo themes.



GARDEN SUBURB PLANTING

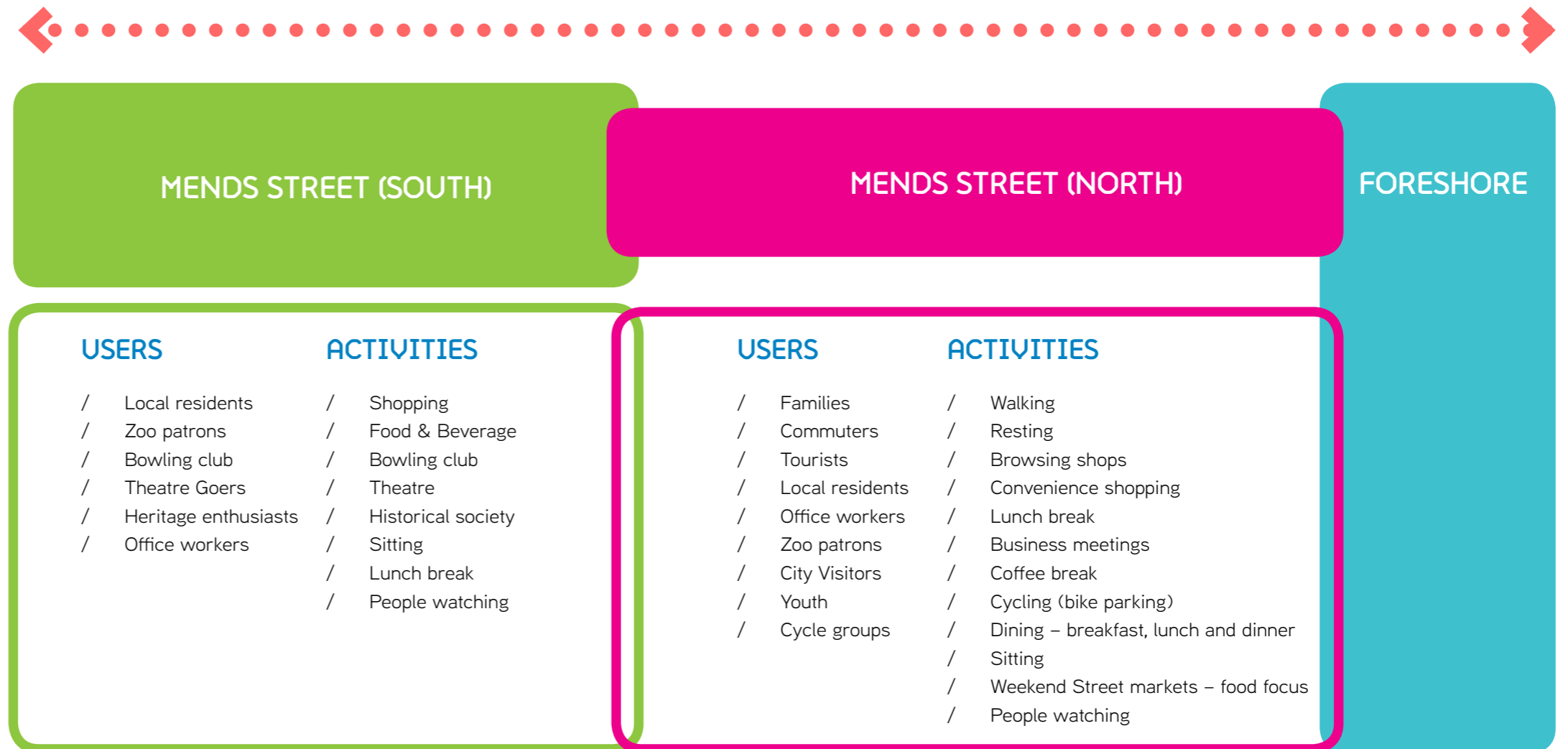
PUBLIC TRANSPORT THEME

ZOO THEME

MENDS STREET USER GROUPS & ACTIVITIES

Following the consultation period and a review of local demographic information, the team identified a range of users who are most likely to utilise the space. In addition the team identified a range of users who it felt would be important to attract to the site in order to make a successful new public space.

Based on these users groups a series of destination drivers were developed that could be included with the design of the space to create an active and vibrant public space that would engage local, regional and international visitors to the site.



MASTER PLAN

MENDS STREET NORTH - CONCEPT PLAN

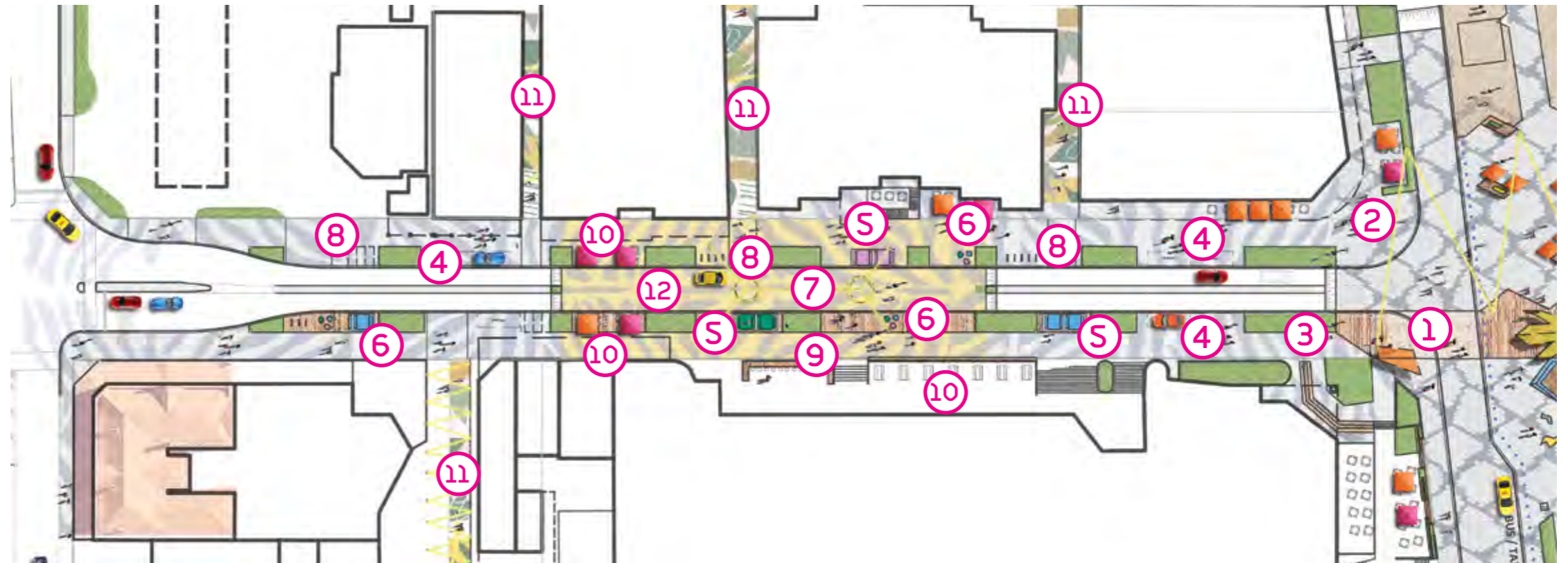
The concept plans for Mends Street have been designed to create a vibrant and active street environment that will be unique in Perth. The roads will be narrowed to enlarge footpaths, shrub planting will be introduced to green the street, paving thematics will be extended up the street and alfresco areas, street furniture, bike parking and lighting will be introduced to activate the street.



PLAN WITH TREES

LEGEND

- | | |
|------------------------|---------------------------|
| ① Link Pavement | ⑦ Lighting Feature |
| ② Shelter / Wayfinding | ⑧ Bike Parking |
| ③ Street Planting | ⑨ Seating Edge |
| ④ Short Term Parking | ⑩ Alfresco Area |
| ⑤ Parklet | ⑪ Activated Laneway |
| ⑥ Moments | ⑫ Shared Pedestrian Space |



PLAN WITH TREES TURNED OFF

MASTER PLAN

MENDS STREET NORTH - THE ROOM SHARED SPACE

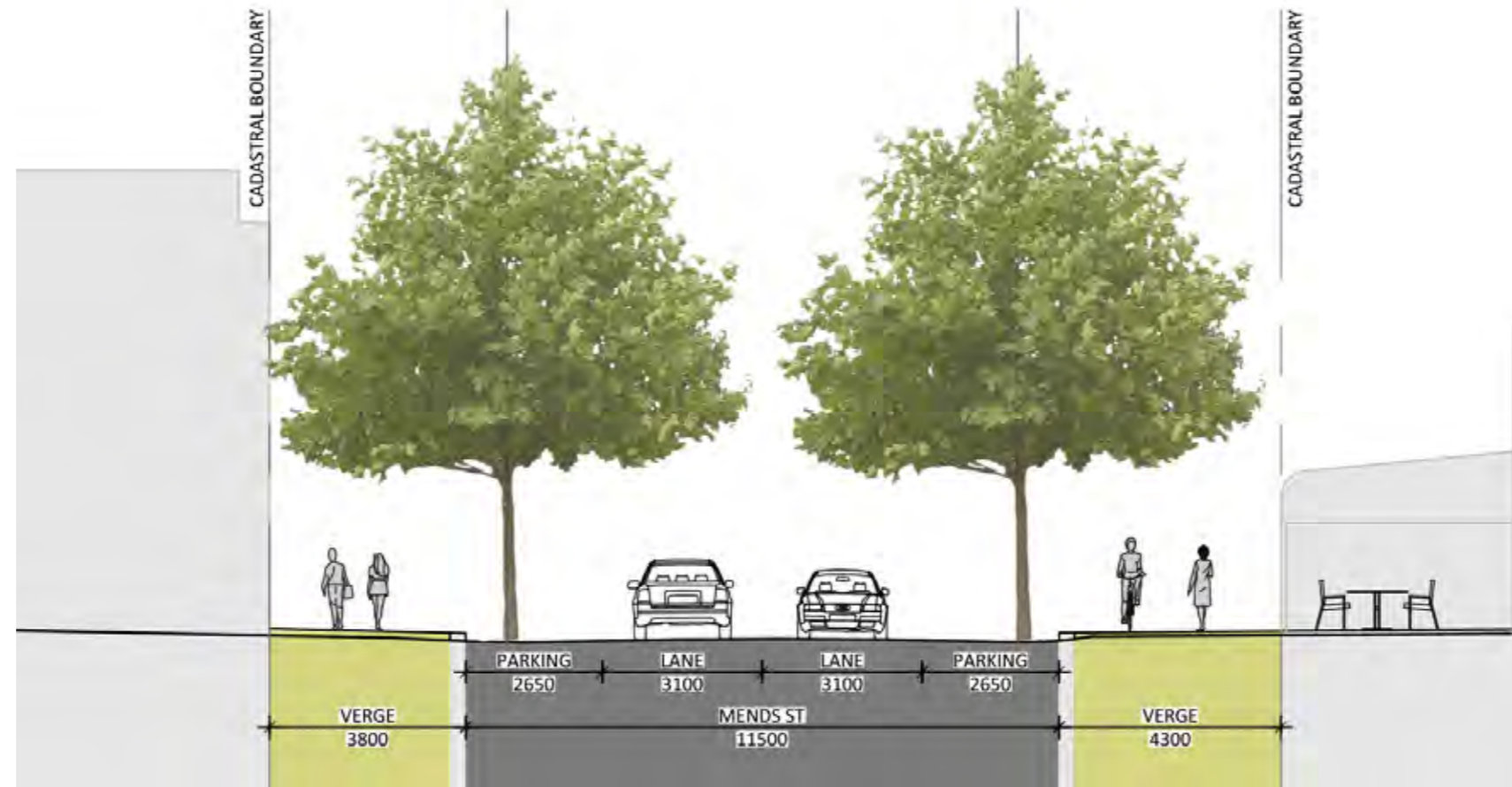
A raised road plateau will be introduced in the heart of the street to create a shared pedestrian space which will be framed by furniture, planting, art, feature lighting and alfresco areas. This area will encourage traffic to slow down, pedestrians to linger and create a strong retail character for the street.



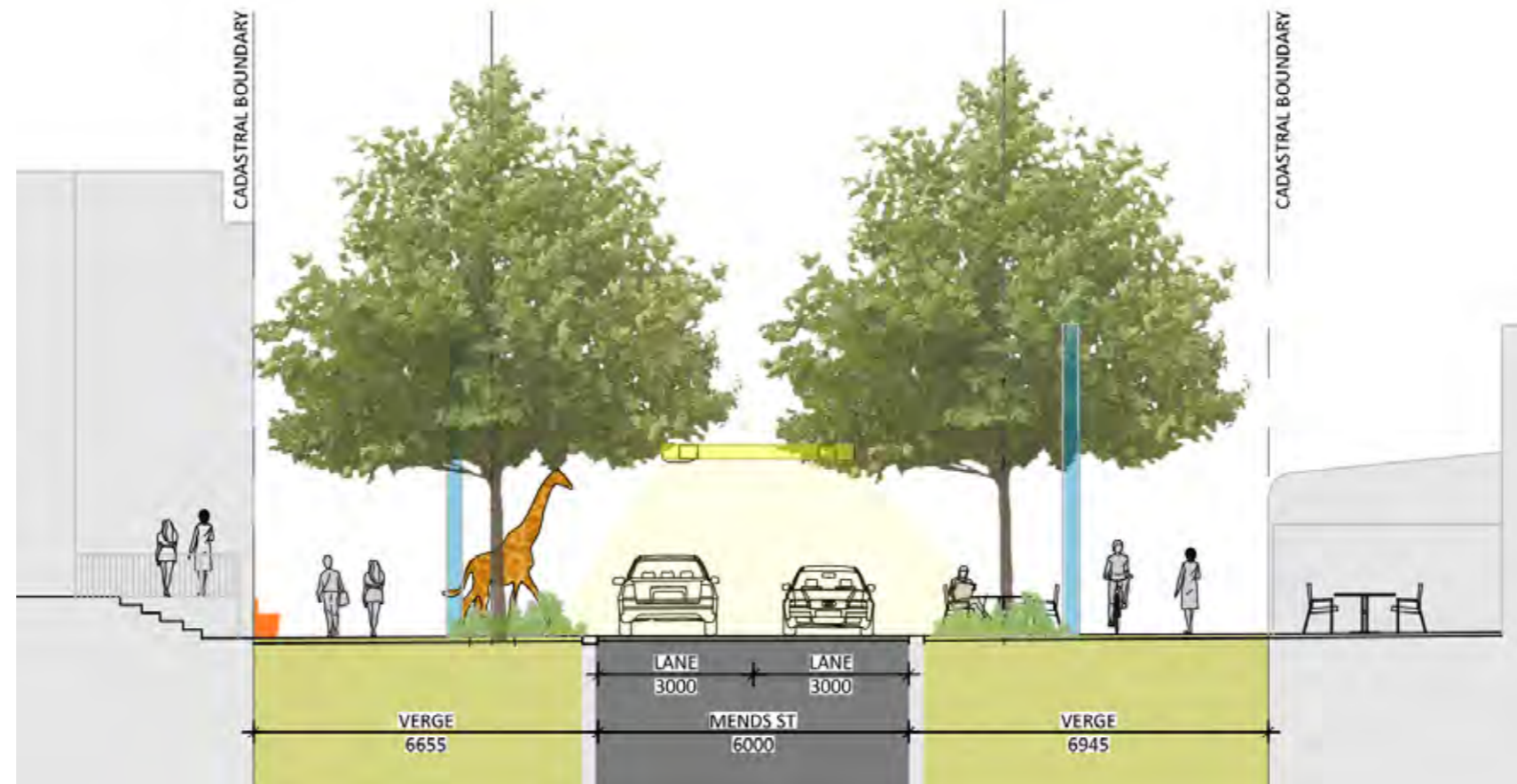
MASTER PLAN

MENDS STREET NORTH - THE ROOM SECTION

The carriage way in Mends Street has been narrowed to 6m which allows for generous verge areas to be created that can accommodate the introduction of furniture and planting set below the existing Plane trees. This strategy also frees up the footpaths to improve access and circulation along the street including the footpath outside the Windsor which is currently a pinch point for visitors travelling to the Zoo.



EXISTING STREET SECTION



PROPOSED STREET SECTION THROUGH SHARED PEDESTRIAN SPACE

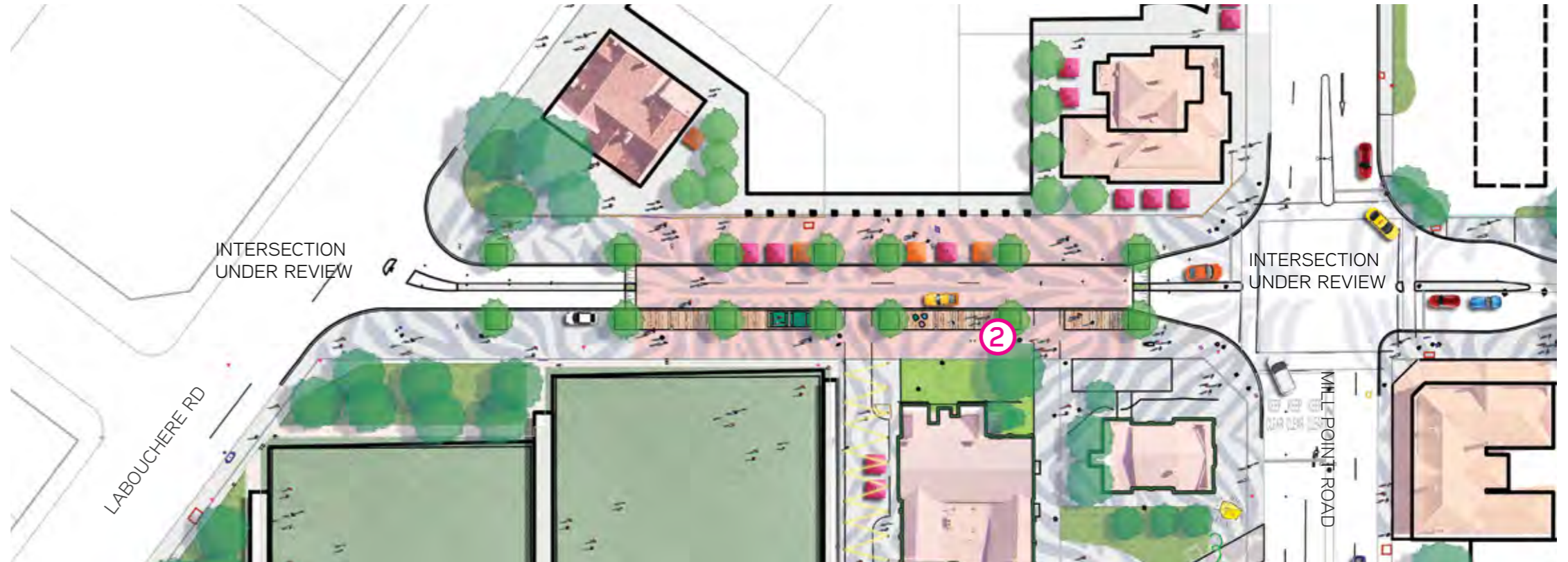
MASTER PLAN

MENDS STREET SOUTH

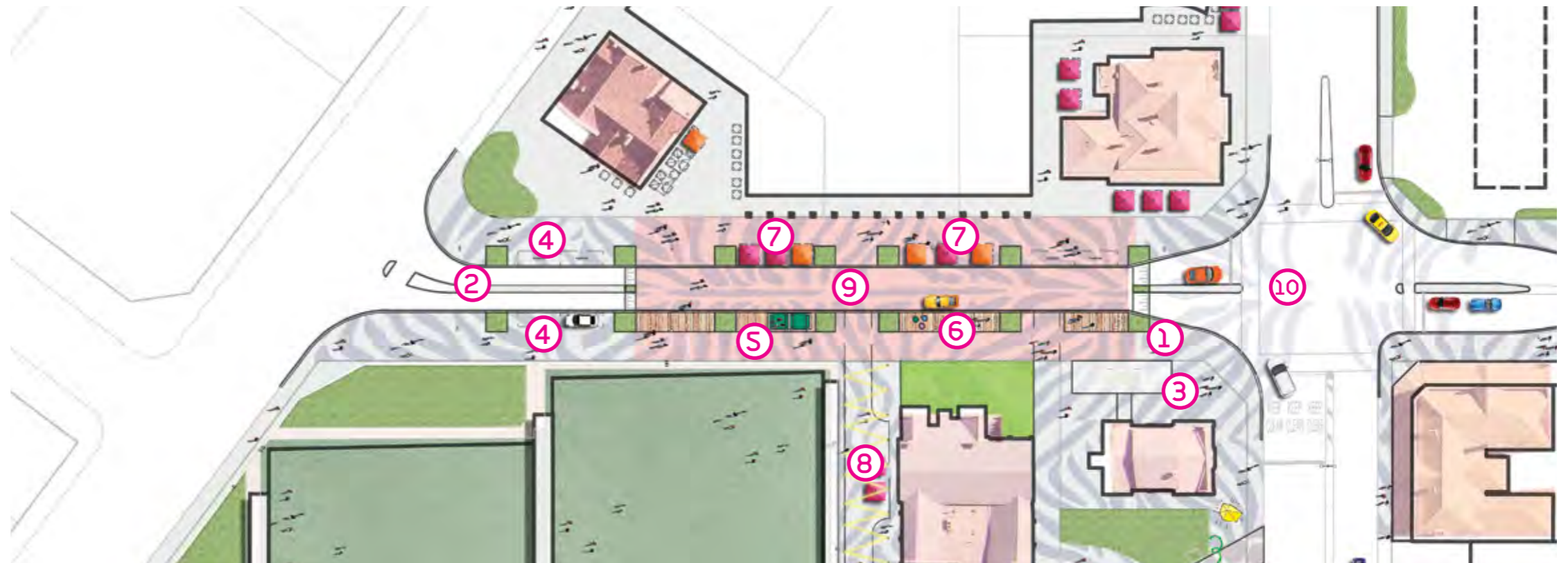
The intersections of Mends Street with Mill Point Road and Labouchere Road are still being reviewed as part of a separate infrastructure project, however, the intent of the Master Plan is that a similar treatments would be utilised in Mends Street South.

Street trees in the same rhythm as the existing Plane trees will be extend along the south Mends Street section of the road and a raised plateau will be introduced into the road to create a shared pedestrian space, again framed by planting and furniture, in the centre of the block.

This shared pedestrian environment will improve connections between the future Finbar site and Windsor Park and create a cohesive character right along the length of Mends Street, which currently does not exist.



Plan with Trees



Plan with Trees turned off

LEGEND

- ① Street Planting
- ② Proposed Street Trees
- ③ No. 15 Tram Enclosure
- ④ Short Term Parking
- ⑤ Parklet
- ⑥ Moments
- ⑦ Alfresco Area
- ⑧ Activated Laneway
- ⑨ Shared Pedestrian Space
- ⑩ Painted Graphic (to slow traffic speeds)



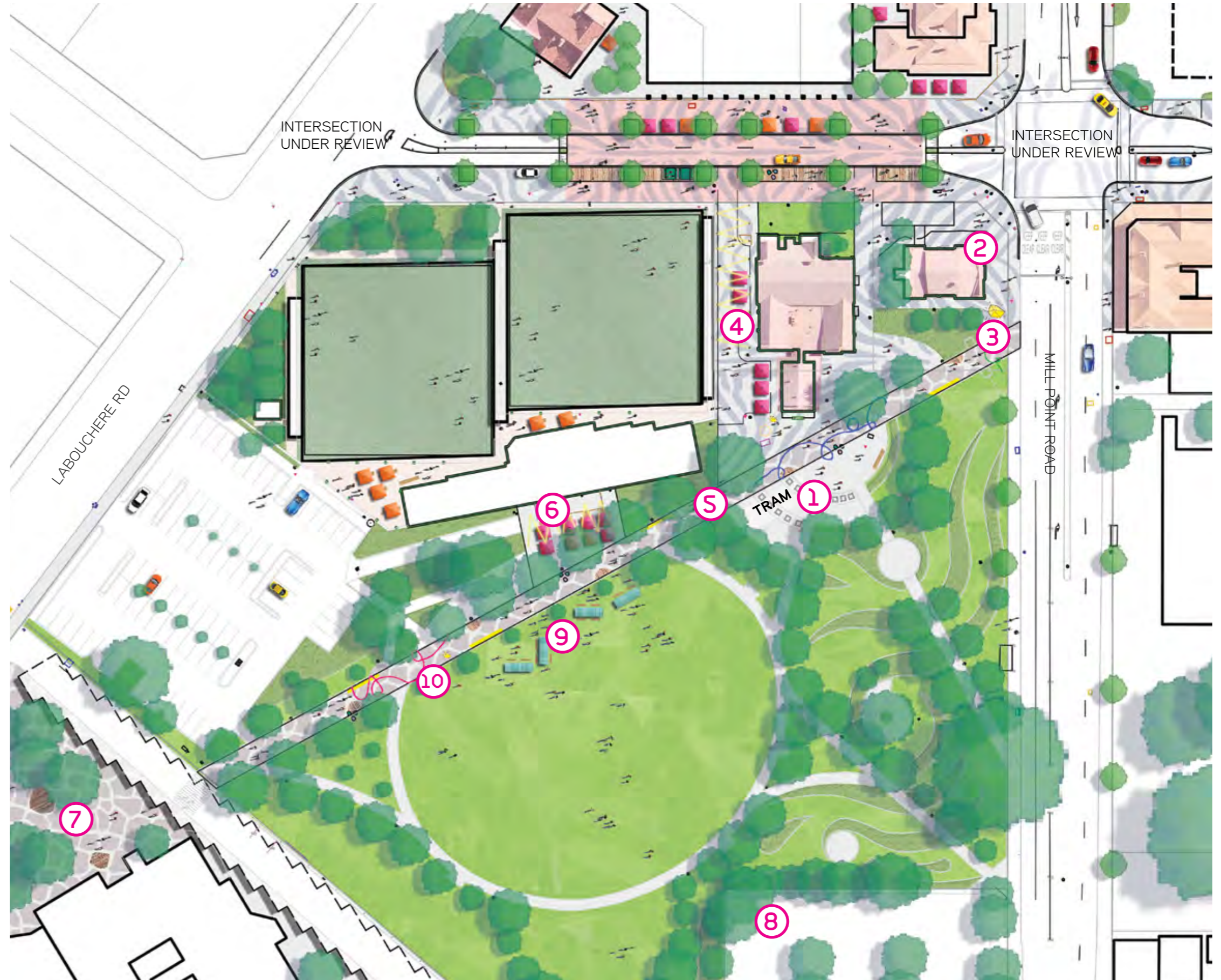
MASTER PLAN

WINDSOR PARK

Mends Street south and Windsor Park include a number of heritage listed buildings and open spaces that have played a pivotal role in the development of South Perth and its identity. The master plan proposes the creation of a new setting to the buildings, façade lighting, outdoor activity areas, interpretive signage and public art to bring the history of the buildings and the City to life.

A site for the restored number 15 tram has also been identified which provides a wonderful opportunity to display the tram and links the tram story to the Jetty Link. This extends all the way up Mends Street which tells the public transport story of the project.

The Master Plan also includes improvements to the path through Windsor Park to enhance pedestrian wayfinding to the zoo from Mends Street and activate the journey through Windsor Park with zoo themed public art and furniture.



LEGEND

- ① No. 15 Tram Enclosure. (Indicative Location)
- ② New Surrounds to Heritage Buildings
- ③ Way-finding Element
- ④ Activated Laneway to Theatre
- ⑤ Upgraded Windsor Park Connection
- ⑥ Beer Garden to Bowls Club
- ⑦ Upgraded Forecourt to Zoo
- ⑧ Future Multi-Storey Carpark w/ Ground Floor Retail
- ⑨ Events Lawn
- ⑩ Lighting to path

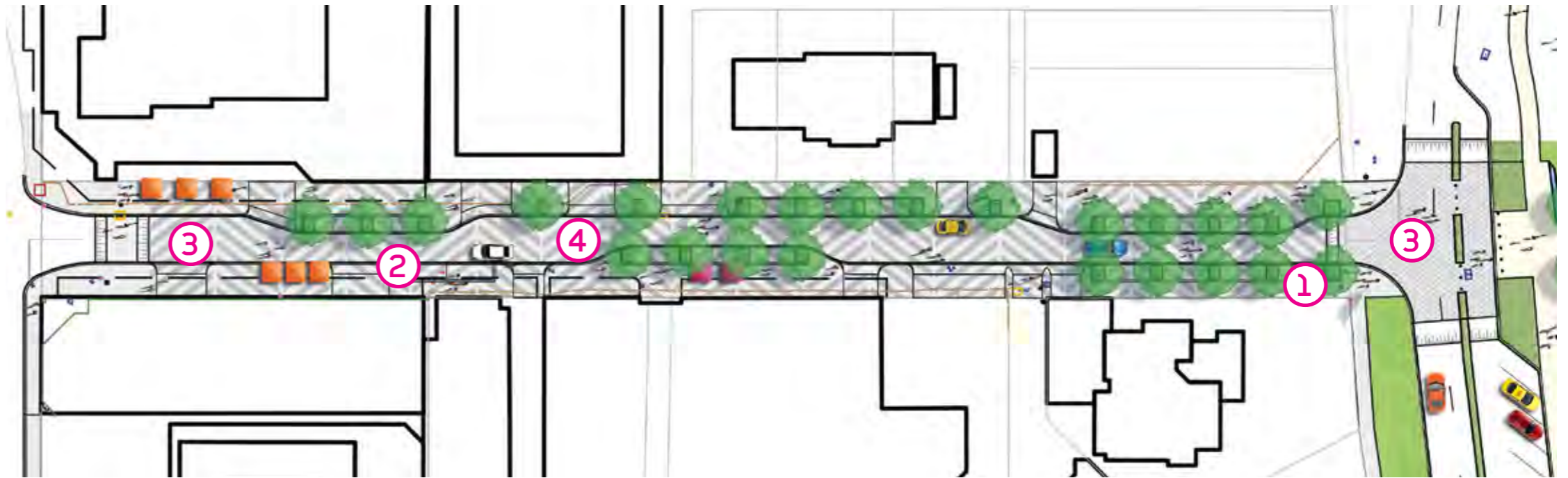
MASTER PLAN

HARPER TERRACE

The design of Harper Terrace has also been reviewed as part of the master plan to develop a new street layout that responds to the significant level of development taking place along the street. The new developments proposed for the street include, three meter wide awnings, ground floor commercial/retail and a large number of vehicle cross overs to services the buildings.

A new street layout has been proposed which reconciles the requirements of the awnings, ground floor activation and high level of service traffic whilst bringing a new character to the street through road geometry, paving patterns and street trees.

CONCEPT



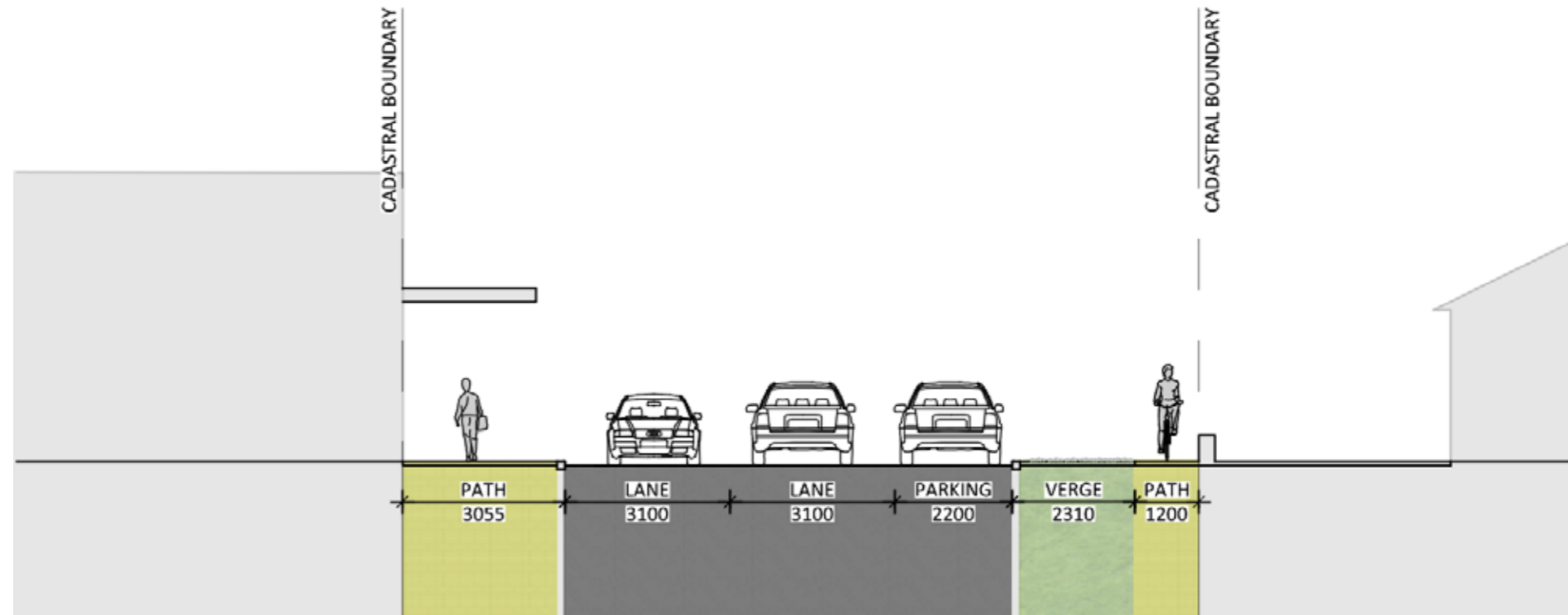
VIBE IMAGES



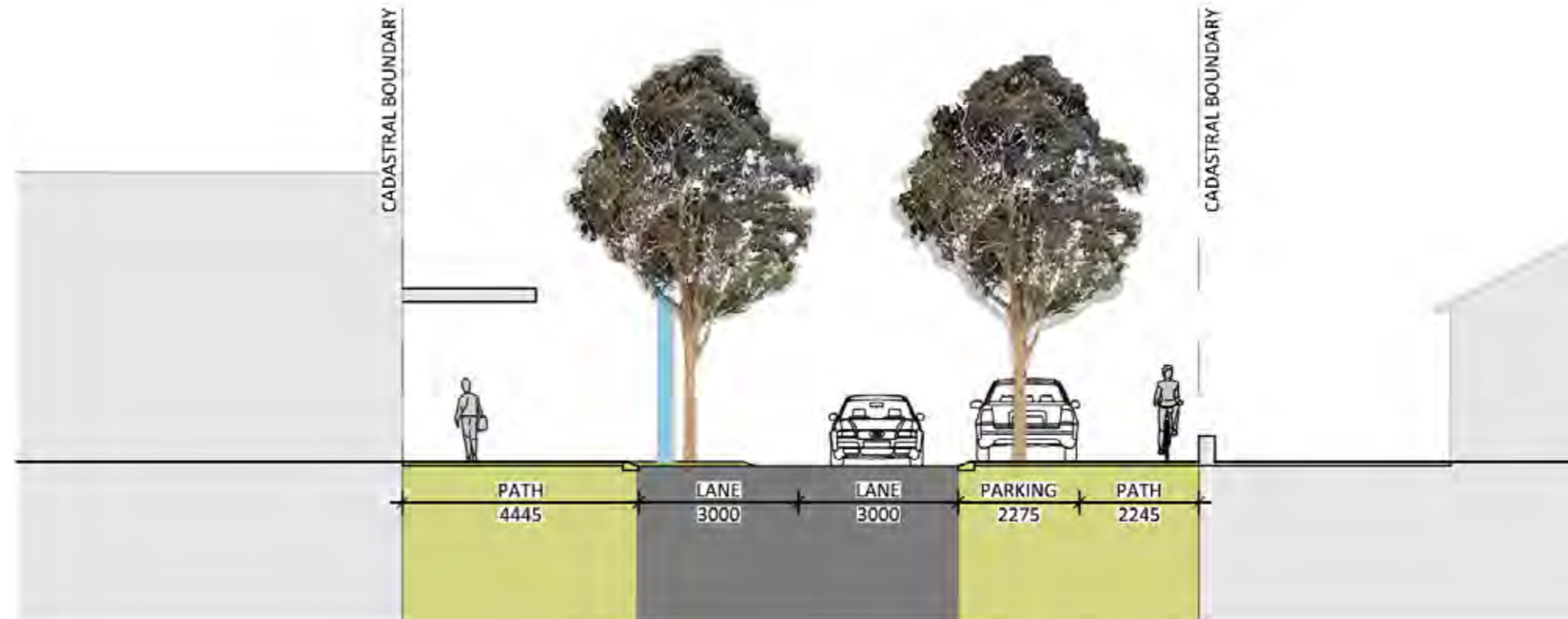
LEGEND

- ① Proposed Street Trees
- ② Short Term Parking
- ③ Shared Pedestrian Space
- ④ Paved Road

HARPER TERRACE SECTION



EXISTING STREET SECTION



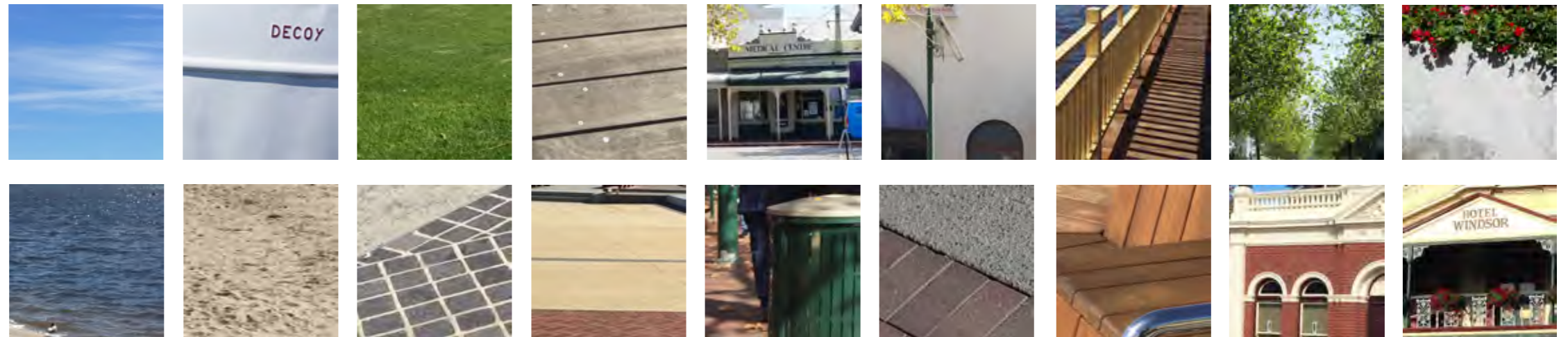
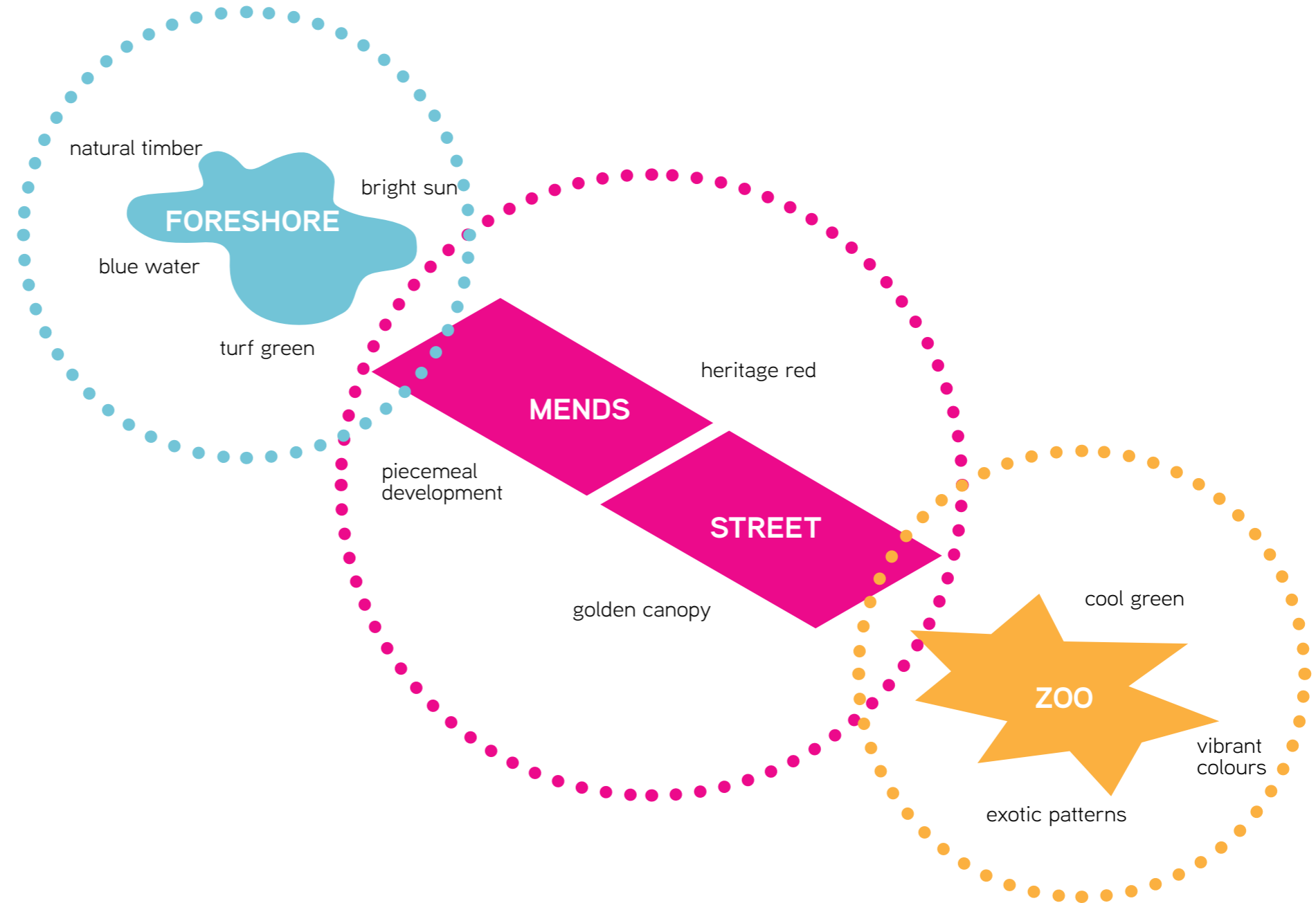
PROPOSED STREET SECTION

DESIGN ELEMENTS

DESIGN ELEMENTS

MATERIALS - EXISTING CHARACTER

An analysis of the existing materials and character spaces throughout the project has been undertaken. This analysis revealed that whilst each of the character areas has unique qualities that can be integrated into the project there is a need to create a cohesive colour and material palette that will unify the precinct.

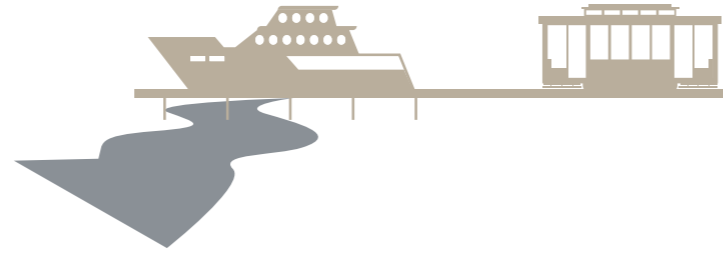


DESIGN ELEMENTS

MATERIALS - NARRATIVE

The project design narratives can be further reinforced within the project through the selection of materials and patterns within the material palette. The narratives identified are the primary drivers of the design and selection of the common elements throughout the site.

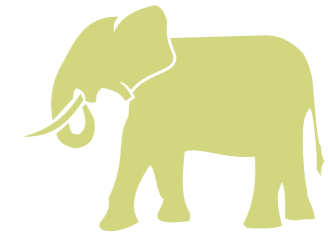
PUBLIC TRANSPORT



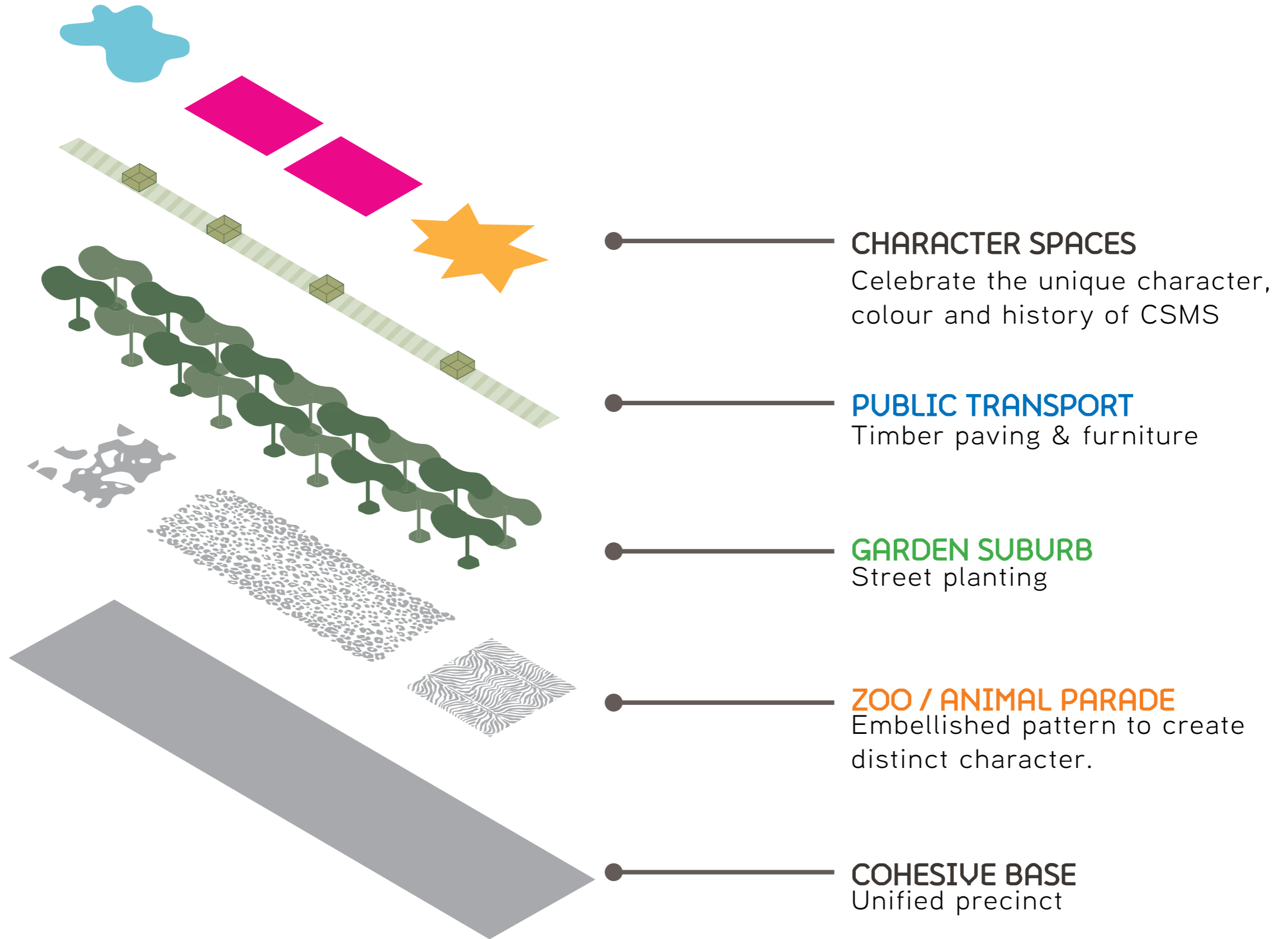
GARDEN SUBURB



ZOO / ANIMAL PARADE



MATERIALS - APPROACH



DESIGN ELEMENTS

MATERIALS - COLOUR SELECTION

The colour palette has been derived from the natural and cultural elements that make up the CSMS area. Clean, simple base colours compose most the works with opportunities for vibrancy and storytelling from the highlights palette.

The natural colours selected from the physical attributes of the site aim to nestle the elements within the South Perth foreshore.

The cultural colours are envisaged to be used as an additional layer to the site, splashes of colour which draw the eye, create interest in the area, and generate additional vibrancy and iconography to the site.

The final colour selection can also link into the Mends Street branding being developed as part of the Place Activation report - Appendix A.1



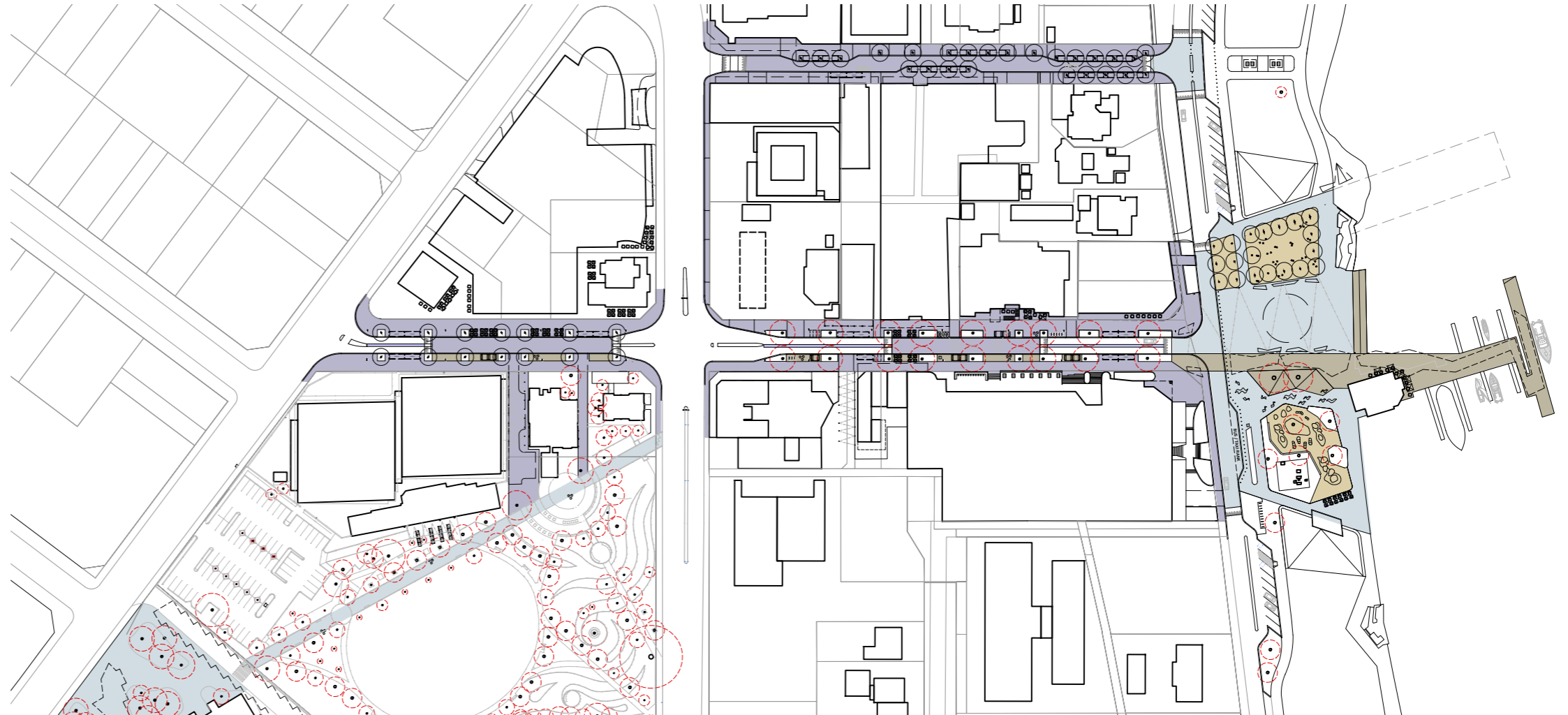
DESIGN ELEMENTS

MATERIALS - PAVEMENT TYPES

In keeping with the design principles and themes established at the start of the design process the paving material palette has been stripped back to a simple robust palette of materials that allows for paving patterns to be introduced throughout the precinct whilst also meeting the functional and servicing requirements of the project.

A simple, durable, safe and industrial palette of hard landscape materials has been selected consisting of insitu concrete, unit pavers, timber decking and compacted gravel. The aim is to create a cohesive, coordinated palette of hard landscape materials which have longevity and are easy to maintain.

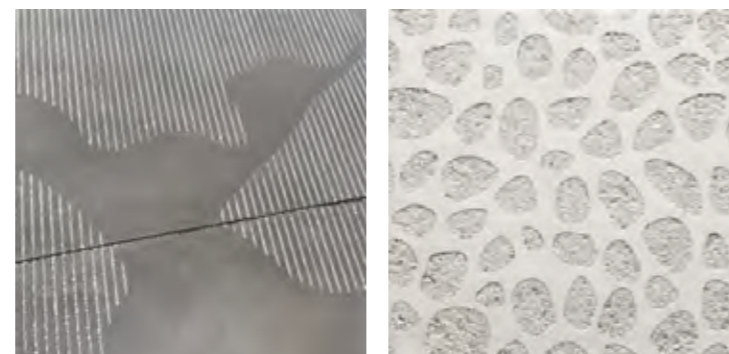
The materials are arranged to emphasise the hierarchy of public spaces and key routes across the site. Insitu concrete is proposed for plaza area to link in with existing works and provide a robust and flexible area for events. Unit pavers have been proposed for the streetscape improvements to allow for future service upgrades. These complementary materials will be installed using simple, coordinated detailing and a high quality of workmanship.



LEGEND

- In Situ Concrete
- Unit Pavers
- Timber Decking
- Gravel

IN SITU CONCRETE



UNIT PAVERS



MATERIALS

INSITU CONCRETE



PRECAST CONCRETE PAVER EXAMPLES



GRANITE EXAMPLES



DESIGN ELEMENTS

MATERIALS - PAVEMENT PATTERNS

A series of paving patterns have been developed to create a distinct character for the precinct. These patterns have been inspired by the snake on the foreshore, zebra in Mends Street and Giraffe in Windsor Park and Zoo forecourt. The design will introduce the patterns into the insitu concrete and unit paved areas with different sizes, finishes and tones. The patterns are designed to create a cohesive urban environment whilst providing different character to each of the areas.

The patterns will also be used in the roadways to provide cues for traffic to slow and improve safety for pedestrians. The paving design will provide cues to both pedestrians and drives through changes in luminance and texture.



Giraffe

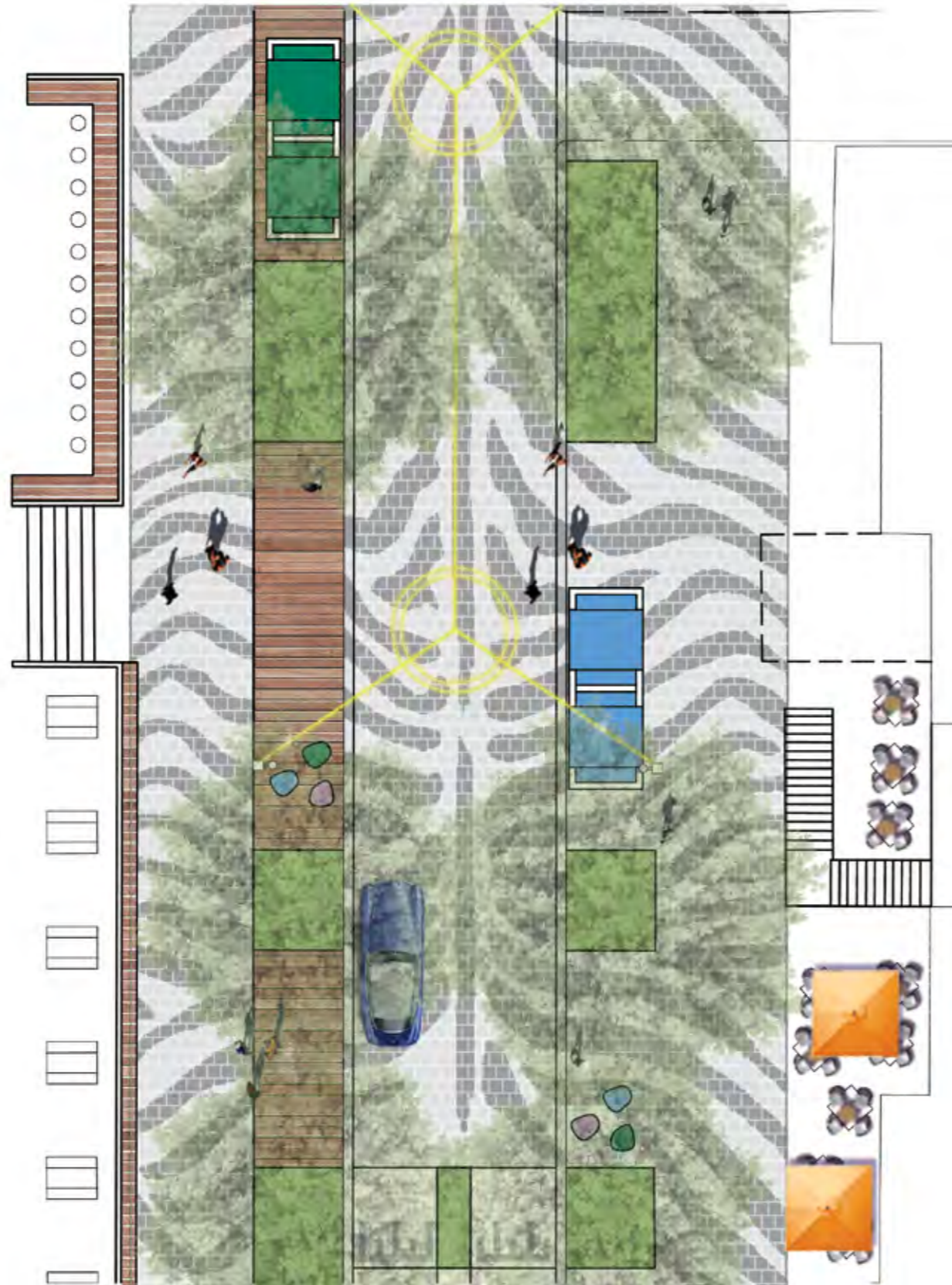


Zebra

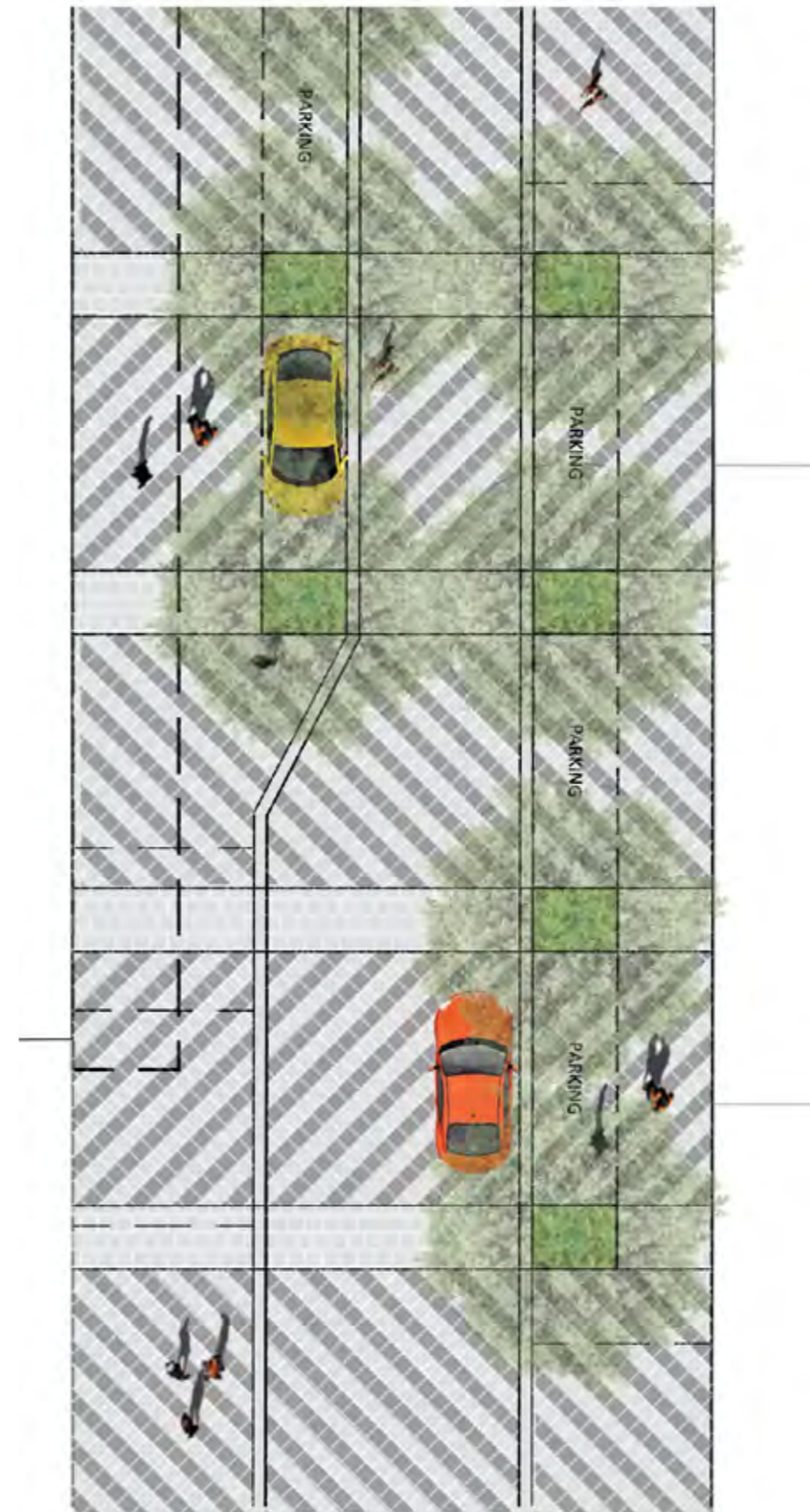


South West Carpet Python

MATERIALS - PAVEMENT PATTERNS



INDICATIVE PAVING PATTERN TO MENDES STREET



INDICATIVE PAVING PATTERN TO HARPER TERRACE

DESIGN ELEMENTS



FURNISHINGS

The furnishings are designed and organised to work with the loose alfresco furniture of the traders and encourage a broad range of social interactions along Mends Street and throughout the Piazza. A series of generously dimensioned furniture elements are placed strategically at key locations to distinguish the site as a welcoming and social place.

The design of the custom furniture takes its cues from the existing timber furniture elements on the foreshore and reinforces the overall design character of the site as a colourful and vibrant place. Furniture elements will share a common material language and robust detailing.



LEGEND

-  Custom Timber Furniture
-  Moments

DESIGN ELEMENTS FURNISHINGS



DESIGN ELEMENTS

PLANTING

The planting scheme for CSMS is designed to unify spaces and routes, frame views and highlight desire lines and focal points. The planting design has been developed to create year round interest and includes a mixture of mid-height trees and shrubs to ensure that there is year round structure as well as seasonal highlights.

Tree planting is limited to select locations to respect the existing character and sight lines of the precinct as well as improving the local environmental conditions, mitigating wind and providing shade. Advanced mid-height tree stock and transplanted trees are to be used to create a landscape that is appropriate in scale to that of the proposed buildings and spaces. **Tree selection will be limited to species that typically grow to 8m in South Perth and will be managed at this maximum height by the city as required.**


The planting is intended to:

- / Use landscape elegantly to create identity and maximise amenity as a 'premier' retail and residential precinct;
- / Provide much need shade within the foreshore
- / Maintain and frame open spaces for alfresco and activation;
- / Incorporate soil volume and irrigation within the constraints of the site;
- / Be robust, suited to the available aspect, work with ambient wind levels and minimise water use.

Final tree selection to be made in consultation with the City and based on the City of South Perth 2017 Urban Forest Strategy (DRAFT).

<https://southperth.wa.gov.au/our-future/our-environment/urban-forest>

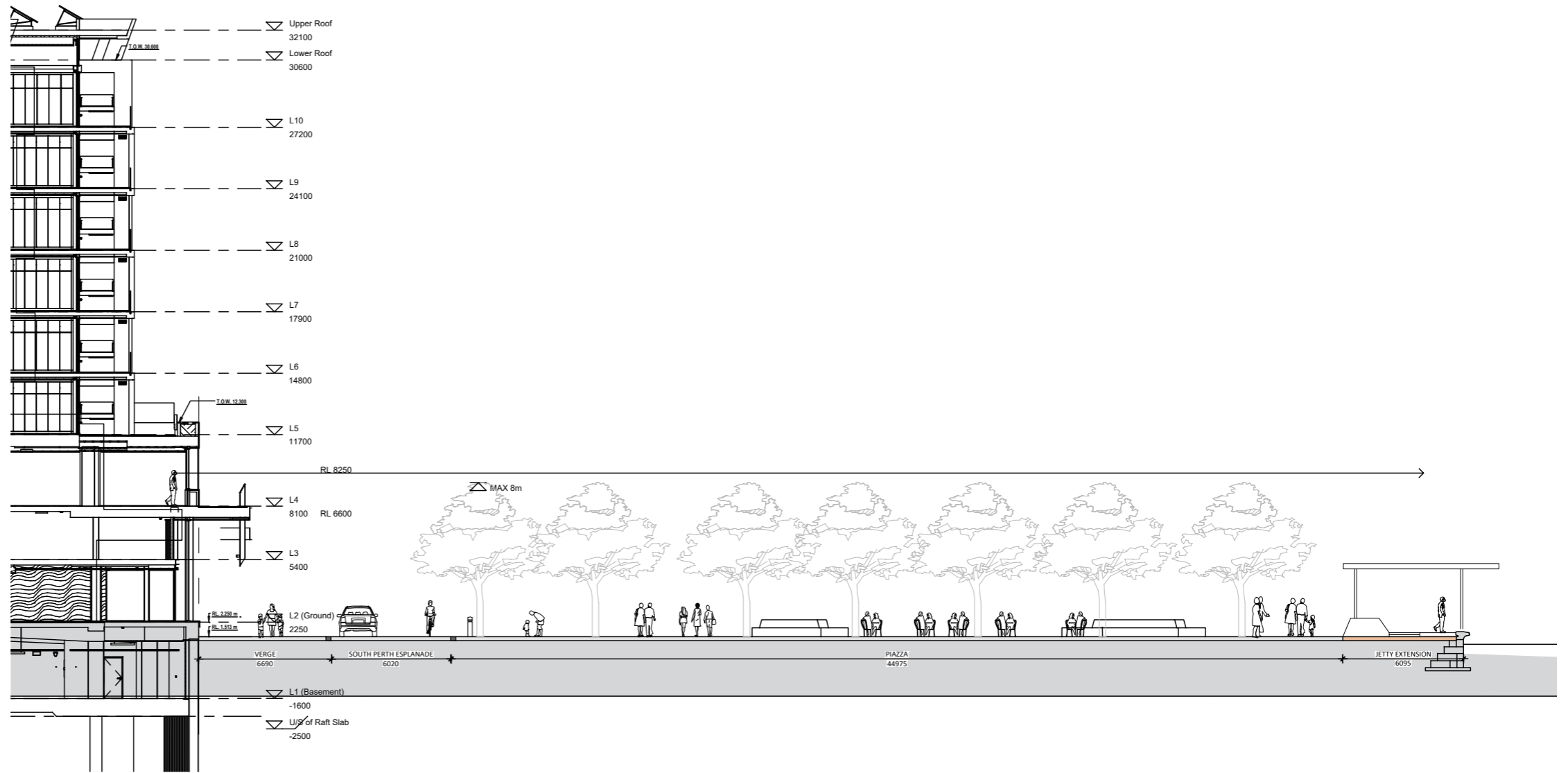


 Proposed Trees



DESIGN ELEMENTS

PLANTING



ELEVATION OF BOSQUE PLANTING



DESIGN ELEMENTS

CANOPY

VISION

The Canopies proposed as part of the Connect South Mends Street Project, facilitate the holistic concept and Master Plan framework developed throughout the course of Schematic Design. Strategic objectives were identified at the outset and stood as guidelines throughout the design phase to ensure the greater vision was maintained, they include:

- / Create an iconic point of arrival and departure for South Perth.
- / Facilitation of public amenity annually throughout the day and night
- / Develop a specific design language that can potentially be applied to the precinct and is flexible enough to adapt in different locations as a unique response.
- / Integrate historical and cultural interpretations of South Perth
- / Create a strong and identifiable image from Kings Park, Narrows Bridge and Elizabeth Quay.

DESIGN

The proposed design of the canopies embrace a unique story being curated throughout the Connect South Mends Street Project. The notion of an 'Animal Parade' being embedded into the canopies, highlight the prominence of the Perth Zoo in South Perth's lineage.

A design language was developed which would communicate the abstract interplay of animal forms and provide opportunity of adaption for unique responses across the site. Inspiration was taken from paper origami animals to deliver an initial built form response. The canopy is envisaged to create an iconic point of arrival acting as the gateway into South Perth.

Stage one of the project is foreseen as two canopies, taking form as an abstraction of a frilled neck lizard and numbat. The two initial canopies are arranged to address the immediate requirement for connection and facilitation of public amenity from the foreshore, along the edge of the Piazza and up to Mends Street. The canopies are designed to provide large horizontal protection for climatic solar control. Substantial vertical control is also allowed for in the form of legs to ensure suitable protection is provided from the westerly winds and rain.

It is proposed that the canopies would be constructed of plate steel elements. The completed aesthetic is envisaged to reflect a continuous folded form with articulating planes, which emphasise the play of light and shadow across the undulating surfaces. The underside the canopies is proposed to take on a differing aesthetic. The underside will see the addition of steel ribbing throughout which will provide structural integrity, but also reflect the appearance of an upturned boat along the river's edge, or create the idea of being under the belly of the beast.

The proposed canopies will not only promote the idea of movement and the gateway into South Perth, but will accommodate a space for congregation. The horizontal cover will create places of assembly, for persons waiting for a ferry or a passer-by watching a busker. Elements such as bench seating may fold out of the canopy legs and will offer points of rest.

Colour and patterning is envisioned to be an integral part of the canopies. Geometric patterns can be applied to the surface via a paint finish and perforations can be punched through the steel plate to provide additional transparency where required. Further exploration in patterning and colour will be under taken in the Design Development phase

FUTURE DEVELOPMENTS

Future stages and developments may readily draw upon the developed design philosophy from this proposal. The initial concept provides a language which is unique and flexible enough to be applied to alternate locations whilst remaining distinctive to the Connect South Mends Street Project. The forecast canopy extension onto the Mends Street Jetty may include cover which has similarities in form, materiality and constructability. Where applicable, there is also the opportunity to further explore the concept of the 'Animal Parade' and Perth Zoo's first animals.

CONCEPT



Frilled-neck Lizard (*Chlamydosaurus kingii*)



Numbat (*Myrmecobius fasciatus*)



Concept

iredale pedersen hook architects

CONCEPT SKETCH

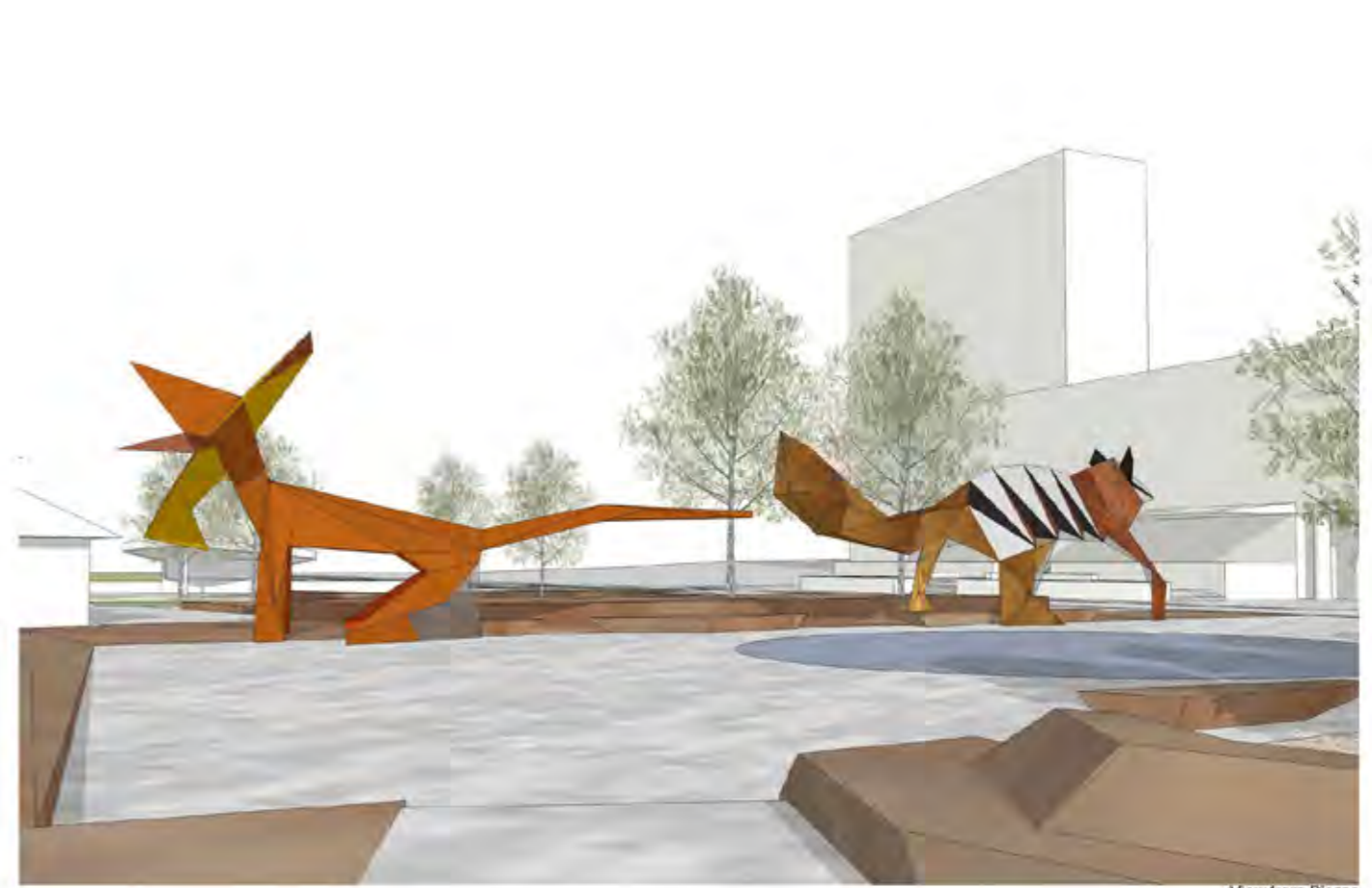


DESIGN ELEMENTS
CANOPY



View from Ferry

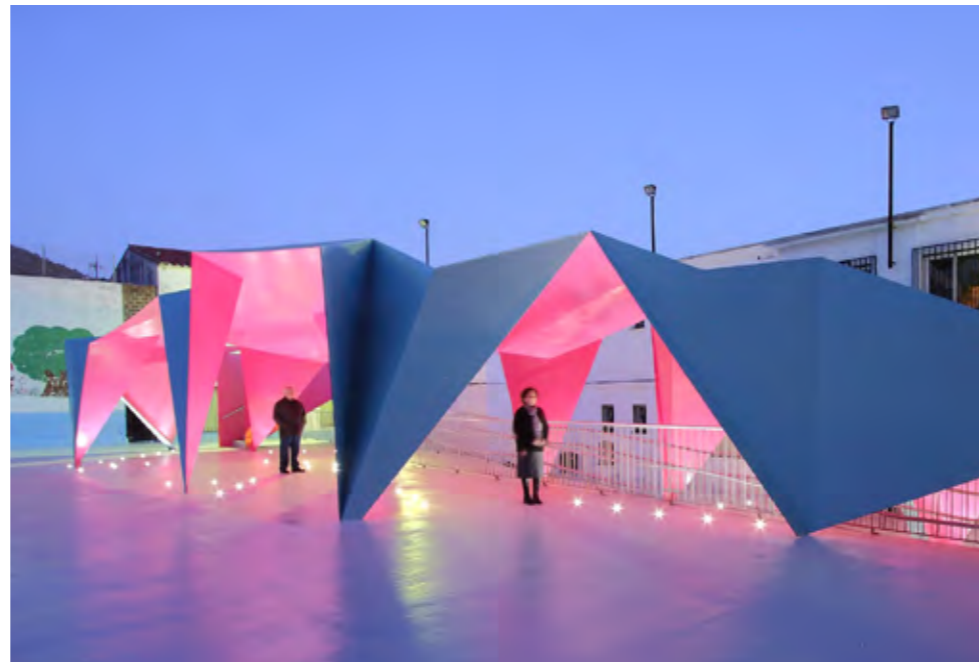
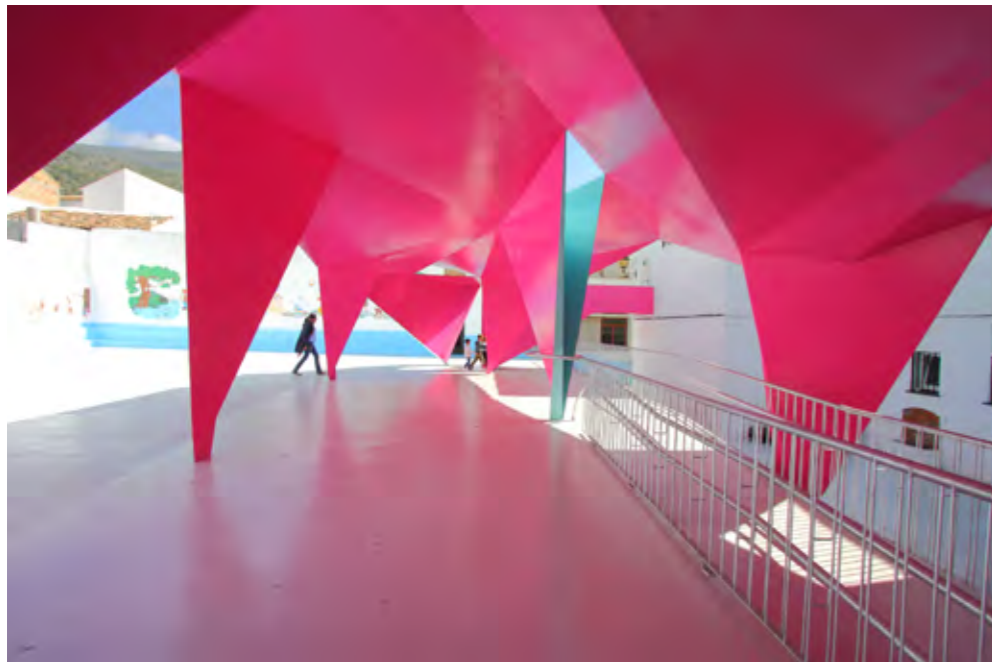
iredale pedersen hook architects



View from Piazza

iredale pedersen hook architects

VIBE IMAGES



DESIGN ELEMENTS

PUBLIC ART OPPORTUNITIES

Through the concept design phase and in consultation with the design team and City of South Perth a number of art opportunities have been identified by the design team. These opportunities are both short term and long term and are spread throughout the precinct. The design team has identified opportunities for sculptural elements, murals, light based art, sound/audio, temporary/ephemeral artworks, indigenous works and lighting elements throughout the space.

The public art program is currently being developed by the City in accordance with the City's Public Art Policy.






DESIGN ELEMENTS

PUBLIC ART OPPORTUNITIES



LEGEND

-  Public Art
-  Feature Lighting & Projection
-  Murals

DESIGN ELEMENTS

WAY FINDING OPPORTUNITIES

The design team has developed a preliminary approach to wayfinding and signage within the precinct. Within this approach opportunities for signage and interpretive elements have been identified to assist wayfinding between the key landmarks and throughout the precinct. This preliminary approach requires further development to create a clear and consistent strategy that reflects the CSMS brand.

The wayfinding strategy should reassure users, create a welcoming and enjoyable environment, heighten the sense of place, help people interpret their surroundings and provide answers to questions before they need to be asked. The system will include elements such as physical and electronic signage, use of landmarks and public art as navigational aids as well as digital technologies and augmented reality.

The scale and type of the wayfinding will vary to engage the audience at different levels, and will be dependent on the landscape context in which it is placed. The material palette and integration of elements will be considered on a case by case basis in order to merge the wayfinding into the overarching design approach and form an integrated wayfinding system.



DESIGN ELEMENTS

WAY FINDING OPPORTUNITIES



LEGEND

- Wayfinding Element Major
- Wayfinding Element Minor
- Digital Signage
- Augmented Reality Point

DESIGN ELEMENTS

INTERPRETATION OPPORTUNITIES - INDIGENOUS & EUROPEAN

The CSMS precinct is rich in history (Refer to Appendix A.2) and requires an interpretation overlay to convey the sites significance. This will require a multi-layered approach to interpretation within the site through formal interpretive signage, incidental signage, public art, digital resources and augmented reality. Bringing these stories to life through interpretive elements will enrich the visitor experience to the site and create event and branding opportunities thought-out the precinct.





DESIGN ELEMENTS

INTERPRETATION OPPORTUNITIES - INDIGENOUS & EUROPEAN



LEGEND

-  Indigenous Heritage Interpretation
-  European Heritage Interpretation

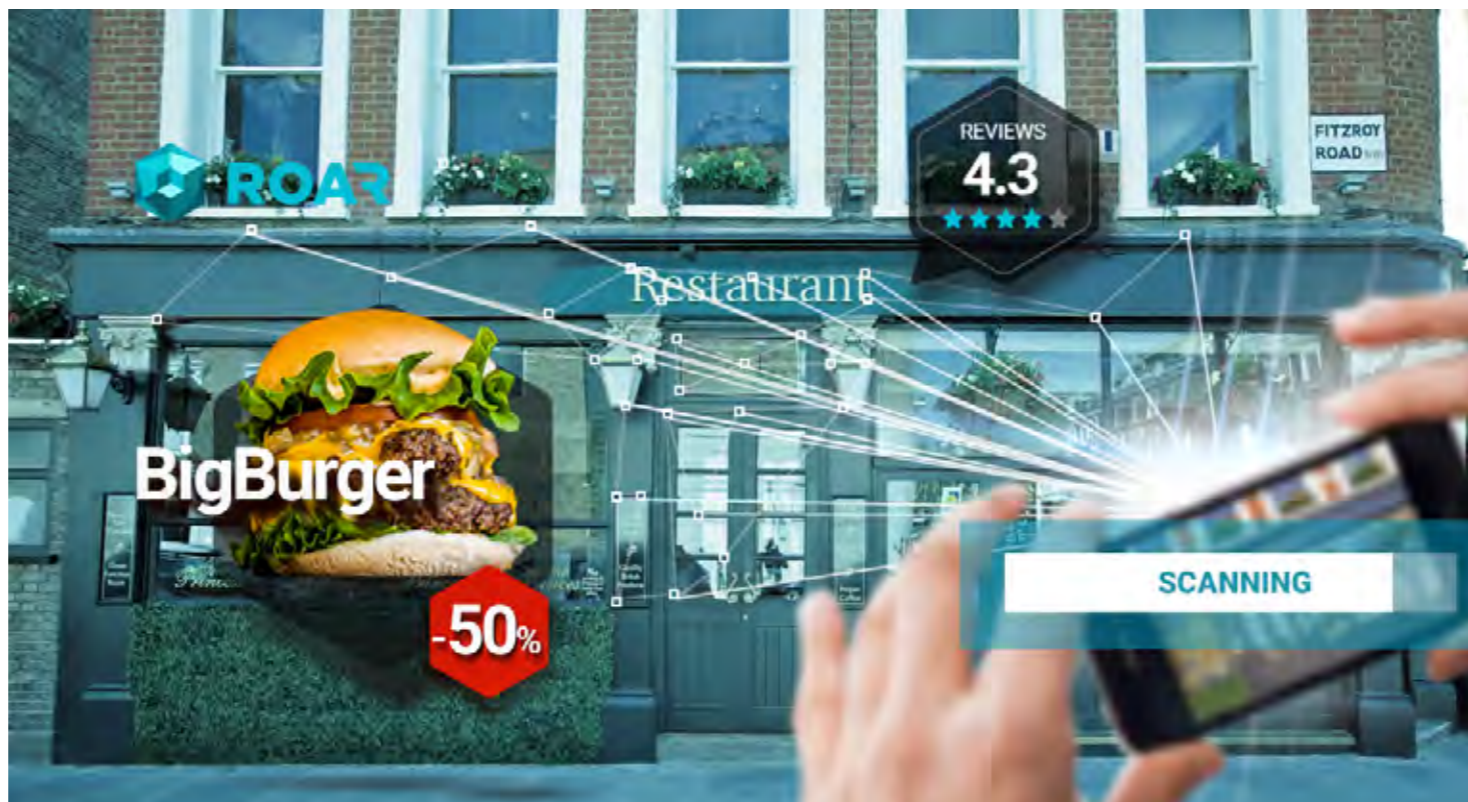
DESIGN ELEMENTS

DIGITAL EXPERIENCE

The design team has also considered further developing the Smart City initiatives into a digital experience overlay that could provide visitors with real-time updates about events, activities, retail specials, ferry scheduling and assist visitors with wayfinding. This could be developed as a Connect South App that could be downloaded by visitors and used to assist them in their visit to South Perth and share their experience with other through social media. An augmented reality overlay for the precinct could be developed which would provide opportunities for Virtual Public Art Displays in real world settings, Way finding, Storytelling as well as business opportunities and interactive gaming (i.e. Pokémon Go).

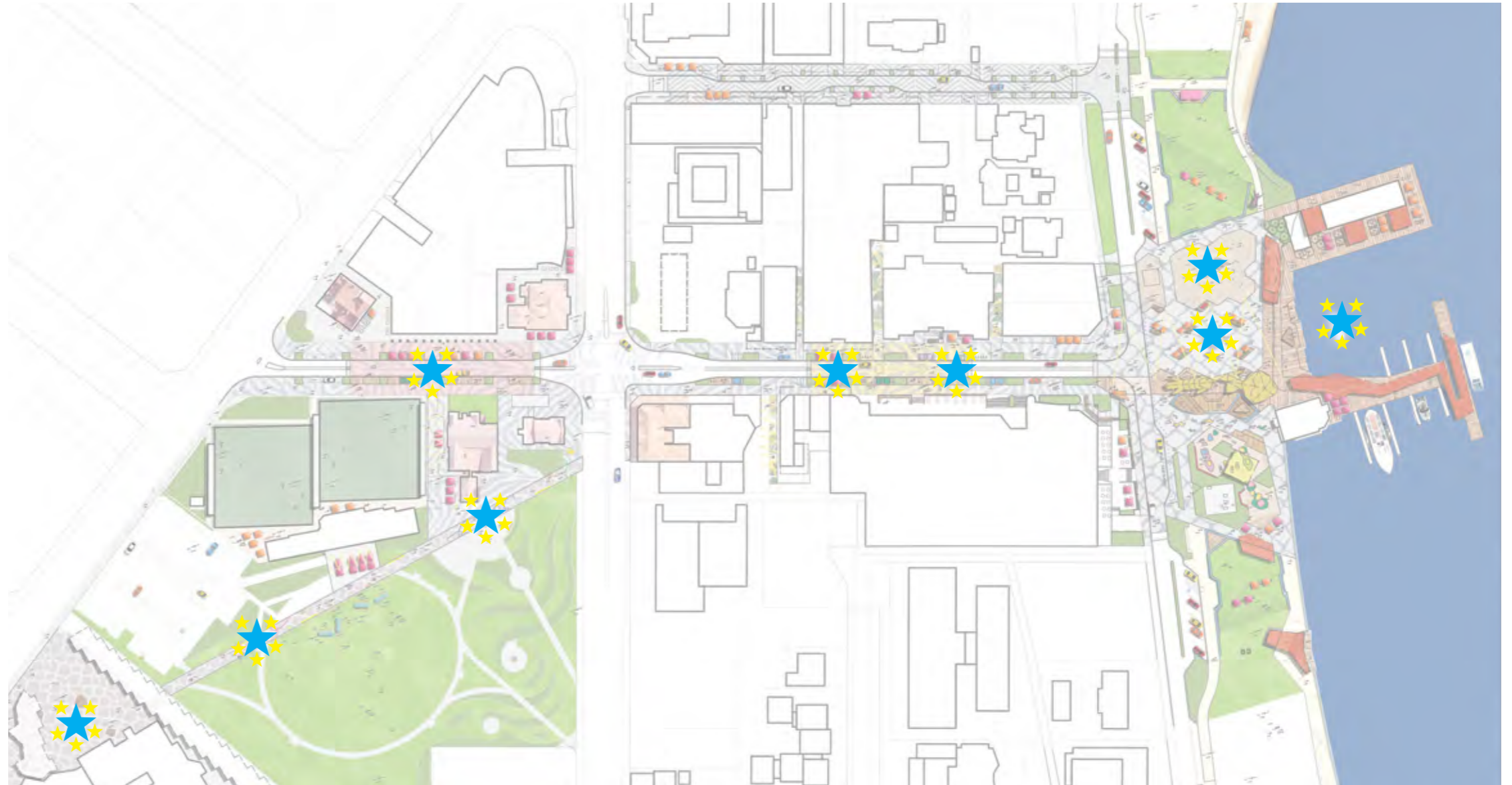
About Augmented Reality

Augmented Reality (AR) is a live direct/indirect view of computer-generated (or virtual) images overlaid with the users view of the real world. These augmented realities can be viewed through certain devices (i.e. smartphone, tablet, headsets etc.) and allow the user to experience a combination of the real world and virtual world whilst being able to interact and distinguish clearly between both. To interact with AR, the user is generally required to download a specific app on their handheld device which enables them to view the virtual images in their surroundings.



DESIGN ELEMENTS

DIGITAL EXPERIENCE



LEGEND

-  Augmented Reality Moments
(Way finding, interpretation, digital artworks)

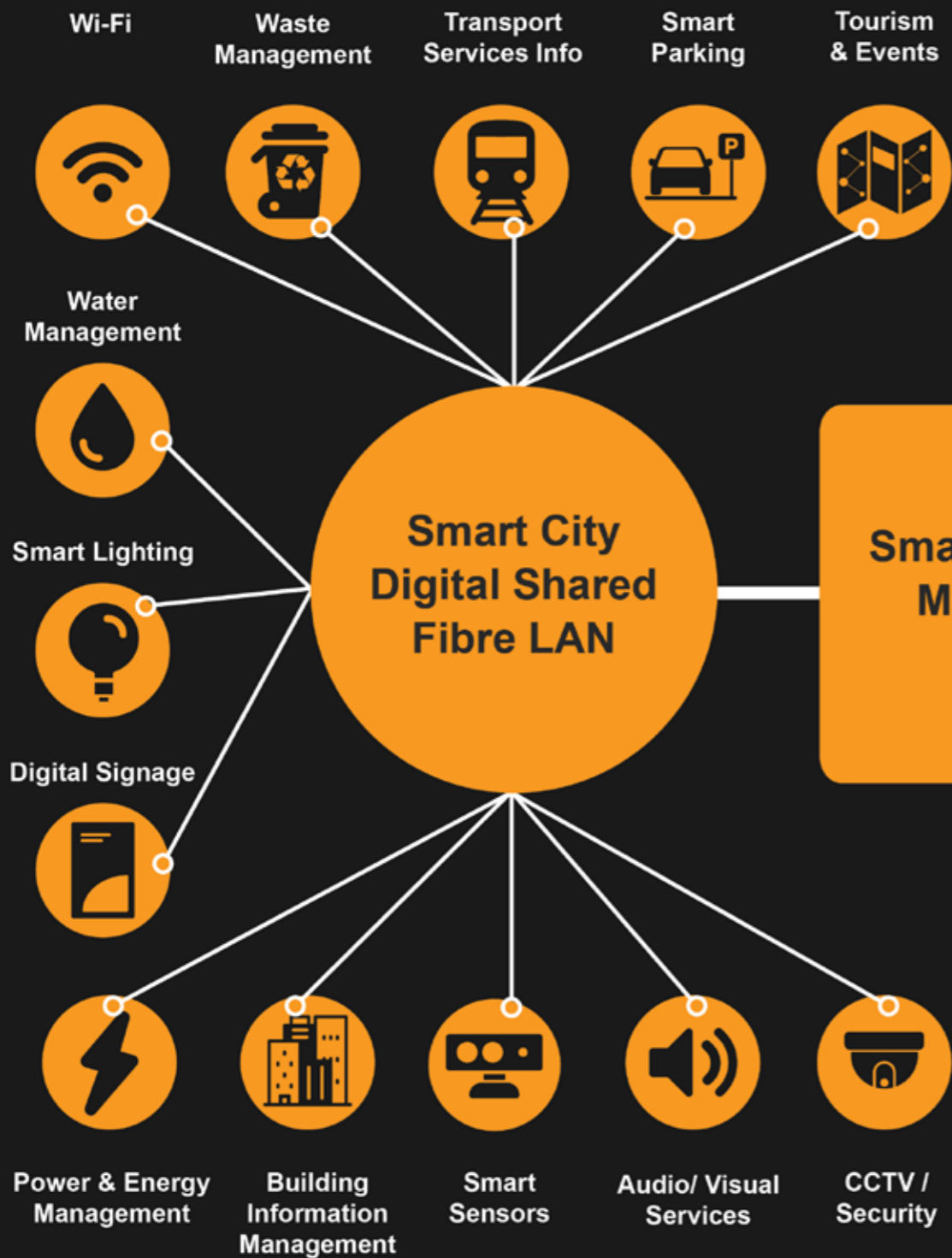
DESIGN ELEMENTS

SMART CITY INITIATIVES

The design of the urban environment is becoming increasingly challenging as public expectations grow, creating demands on public spaces that are sophisticated and technically complex. The increasing pressure on infrastructure and urban services has placed an amplified demand on smart systems and technology – which will be increasingly critical for ensuring that our cities are smart, liveable and sustainable.

Smart Technologies and more broadly ‘Smart City’ thinking has become an increasingly important part of the design of the public realm. Developing strategies which addresses the future digitalization and smart technologies are essential. This focus is now more broadly targeted not just on technology solutions but leveraging digitalisation to augment sustainability, community, social and human benefits tailored to suit each city and region. Throughout the design of the master plan the design team has considered integration of smart technology initiatives that will improve the functioning of the city centre and the experience of its users.





- Business & Community

- Real time information

- Open Data

- New business

- Innovation

- Council decision making

- Efficient operations & maintenance

- Contract compliance

- Improved customer services

What is a Smart City?

Forrester Research emphasises the use of computing to monitor infrastructure and improve services: *“The use of smart computing technologies to make the critical infrastructure components and services of a city ... more intelligent, interconnected and efficient.”*

U.S. Office of Scientific and Technical Information also stresses infrastructure: *“A city that monitors and integrates conditions of all of its critical infrastructure - can better optimise its resources, plan its preventive maintenance activities, and monitor security aspects while maximising services to its citizens.”*

The Smart Cities Council: *“A city that uses information and communication technology (ICT) to enhance its liveability, workability and sustainability.”*

References:

Department of the Prime Minister and Cabinet
Department of Industry, Innovation and Science:
 Funding Grant, Smart Cities and Suburbs Program - Round 1
<https://cities.dpmc.gov.au/smart-cities-plan>

Smart Cities Council:
 The Internet of Things as the Smart Cities Backbone
<http://smartcitiescouncil.com/>

DESIGN ELEMENTS

LIGHTING - FORESHORE

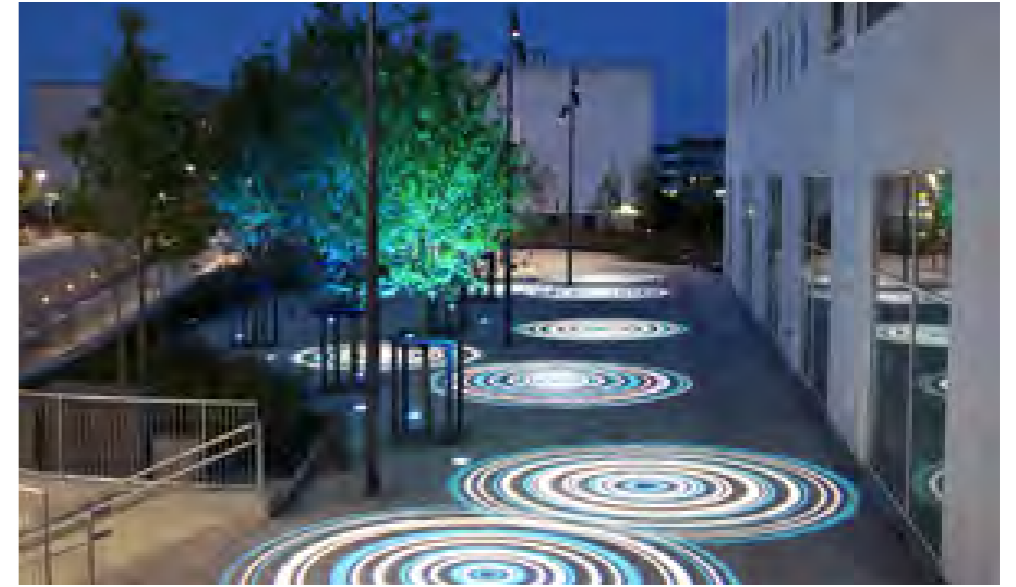
The foreshore lighting concept aims to create a vibrant and exciting new nightscape within the South Perth peninsular reinforcing and enhancing the various connected themes around The Animal Parade, The Garden Suburb and Public Transport.

The lighting nightscape will become a major attraction and destination promoting visitation and community usage of the public spaces through dynamic lighting effects, integrated feature lighting of the various animal, landscape and nocturnal theming, improved safety, security and wayfinding whilst respecting the vista and photographic opportunities to the Perth City skyline.

Lighting elements within the Piazza will also include changing and moving GOBO light projections, colour and intensity control, inset glow stone interspersed with fibre optic starlight within the central paved area as well as integrated lighting accents of the animal themed canopies. An overhead catenary lighting system will span the Piazza and adjacent intersection forming a strong and festive linkage into Mends Street.

A uniquely South Perth experience is proposed in the form of a permanent water and laser video projection on Swan to operate at preselected times in the evenings. Incorporated into the jetty the digital laser will project video onto an 8 metre radius (16m wide) fan shaped water mist screen on the river. The nearshore projection will provide a unique light and sound experience to suit regular themed display and special events.

Customization and scene setting through a centralized lighting control system will facilitate and underpin the public space and place activation from major transit route to entertainment venue to weeknight hot spot. The surrounding promenades and play space will incorporate general area and activity lighting with adjustable intensity and focus to suit. Integrated lighting within themed and feature elements will continue through these spaces. The foreshore lighting will support the performance or can become the performance.



DESIGN ELEMENTS

LIGHTING - FORESHORE



1 Landscape Lighting Elements



2 Animal artwork lighting



2 Animal artwork lighting



3 Water Projection



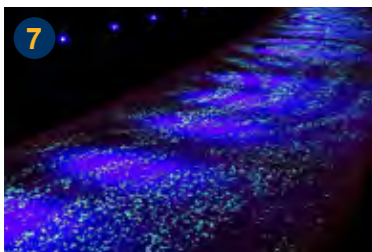
4 Play Lighting



5 Bosque and Duchess Tree Lighting



6 LED Fibre Optics inset into pavement



7 Glow Stones inset into pavement



8 Catenary Lighting



8 Catenary



9 Linear Strip Lighting



10 Indirect Lighting (underside of structures)



11 Millers Pool Pathway Lighting



12 Area Pole Lighting



12 Jetty & Area Lighting

CONNECT SOUTH MENDS STREET



13 New LED Street Lighting



14 Custom Mends Street Lighting



15 GOBO Projection



16 Decoy lighting at Jetty



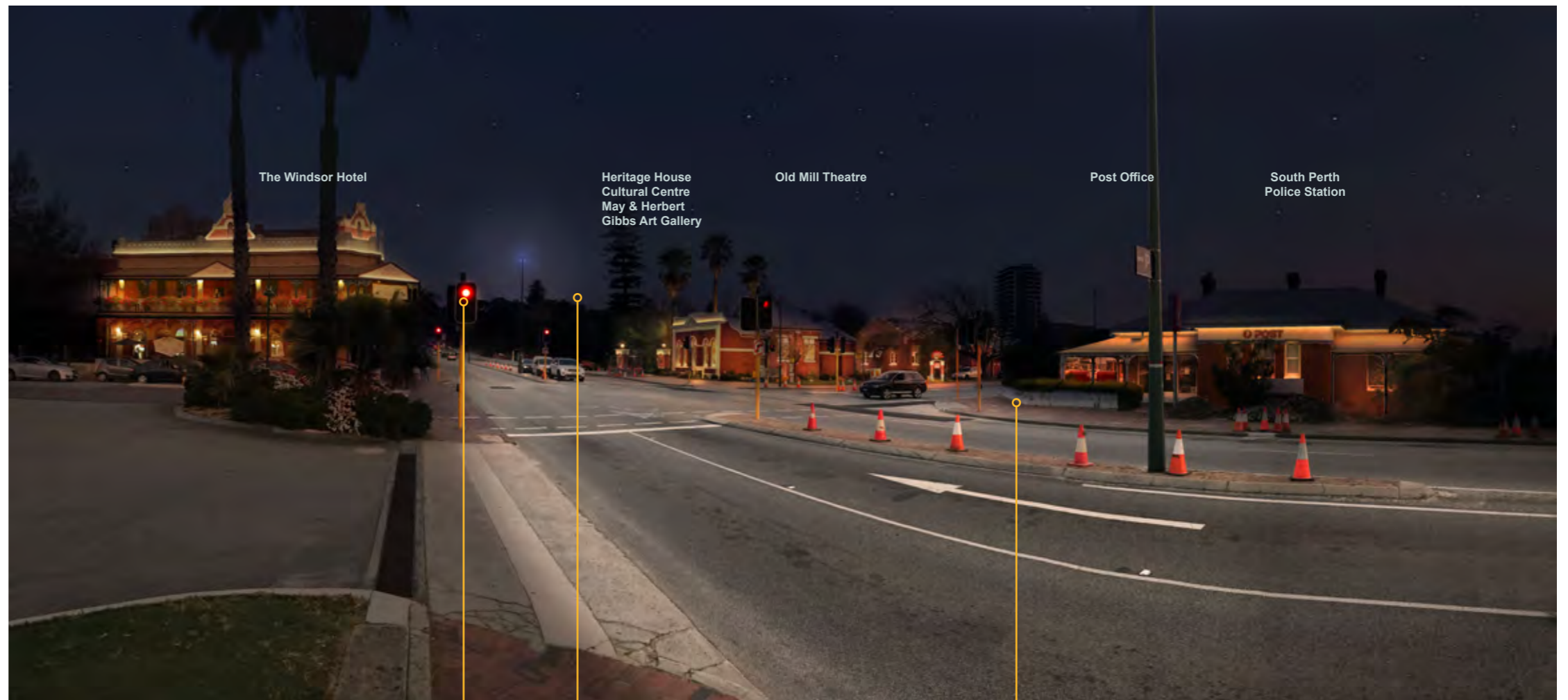
17 Jetty Linear Lighting

DESIGN ELEMENTS

LIGHTING - MENDS STREET

In recognition of the Mends St precincts unique heritage and urban character its proposed to illuminate the landmark Heritage building façades and surrounds which frame the major crossroad and City gateway intersection of Mends Street and Mill Point Rd. Appropriate accent lighting of the buildings period features will create a uniquely South Perth nightscape and wonderful backdrop to Mends Street. Illuminating their surrounds will improve safety and encourage activation and usage of the garden spaces linking to Windsor Park. Changing the existing yellow sodium intersection streetlights on Mill Point Rd with a high colour rendering warm white light streetlight that also reduces spill light and glare will dramatically improve the nightscape and allow the heritage facades and Mends Street gateway to feature.

New and improved lighting to the entry statement walls and tree lined pedestrian pathway to Windsor Park is seen as fundamental to reinforcing the narrative themes and improving the pedestrian experience.



Heritage Building facade & Surrounding lighting

- City of South Perth to lead the way by lighting the facade of the Heritage House Cultural Centre.
- City to incentivise private Heritage Building owners to light building facades. eg. Grants, Design guide, etc.

Upgrade illumination within Windsor Park including pedestrian link to Zoo.

Replace existing sodium streetlighting with warm white LED low glare & reduced spill light.

DESIGN ELEMENTS

LIGHTING - MENDS STREET

A uniquely South Perth garden themed bespoke streetlight pole incorporating functional and efficient LED streetlights, feature tree uplighting, planters and events power is proposed to form the new lighting standard along Mends Street. Two pole options are currently shown, rectangular and round.

Integrating all lighting and power into the poles provides cost efficiencies, reduces clutter within the road verges and minimizes vandalism and maintenance issues. Pole mounted compact adjustable LED lights on each pole will feature uplight the Plane tree canopies whilst a central LED downlight (option 2) feature lights the integrated central planter below. Tree uplights will be colour changeable for festive and special community events or during winter when the deciduous trees are without leaves. The overall lighting effect aligns with the Garden Suburb theme. The central Mends Street north zone will incorporate a taller version of the poles with a suspended catenary sculptural light and artwork feature supported over the road.

All lighting will have tunable brightness and preset to provide different nightscape scenes either fully automated or manually selectable for special events (eg. "Green" uplight on St Patricks Day or "Pink" for Pink Ribbon Day.)



Laneway Lighting



Mends Street Artwork Catenary



Mends Street Artwork Catenary



Tram feature Lighting



Custom Mends Street Lighting (Option 1)





Custom Mends Street Lighting (Option 2)



New Mill Point Rd Intersection Street Lighting

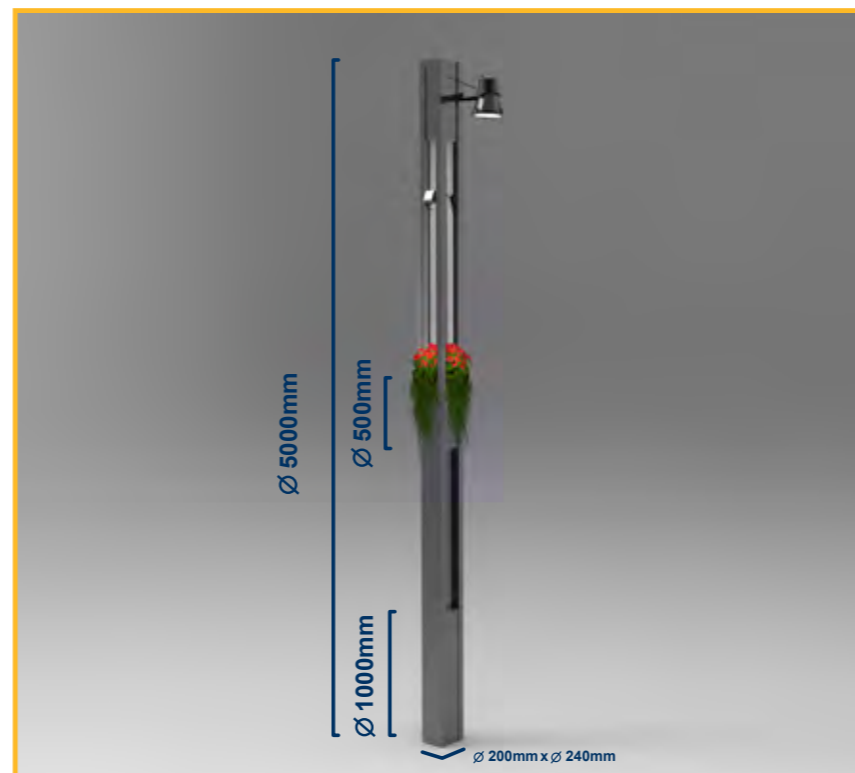
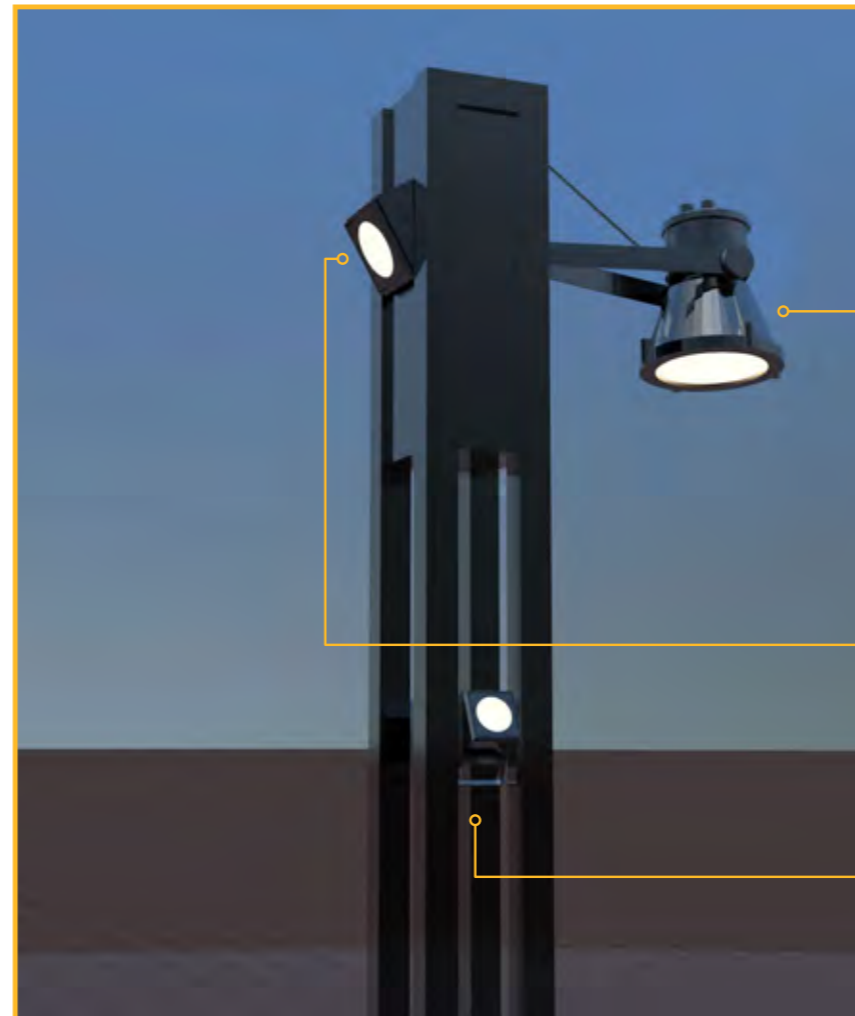
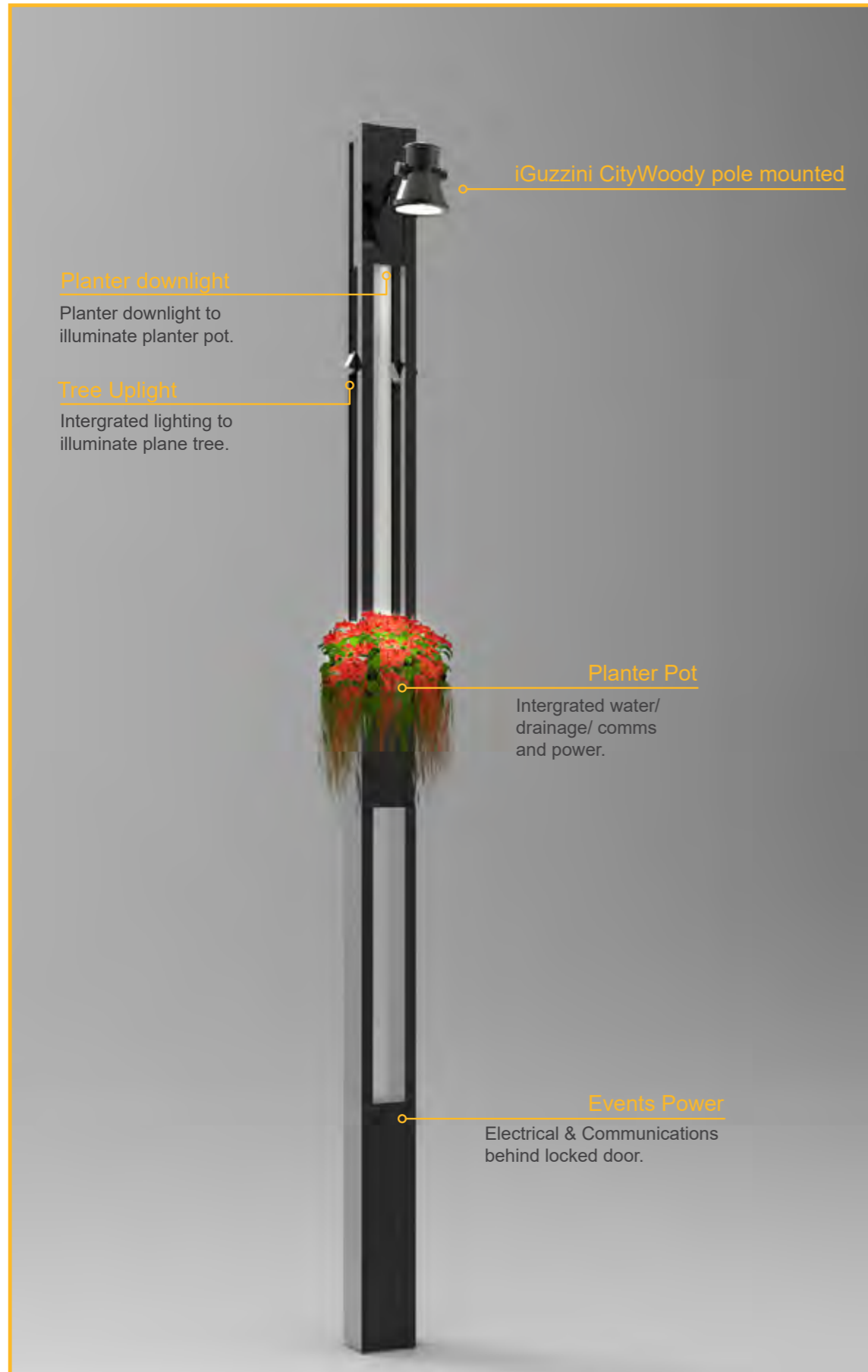
Legend

-  Proposed custom Mends Street Lighting (Option 1 or 2)
-  Modified Mill Point Rd Street Lighting



DESIGN ELEMENTS

LIGHTING - STREET LIGHT OPTION 1



Multi Purpose Pole

- Locally manufactured using marine grade aluminium.
- Powdercoat or two pack polyurethane finish.
- Base Plate mounted to concrete foundation concated below ground.

DESIGN ELEMENTS

LIGHTING - STREET LIGHT OPTION 2



iGuzzini CityWoody Pole Mounted
Streetlighting



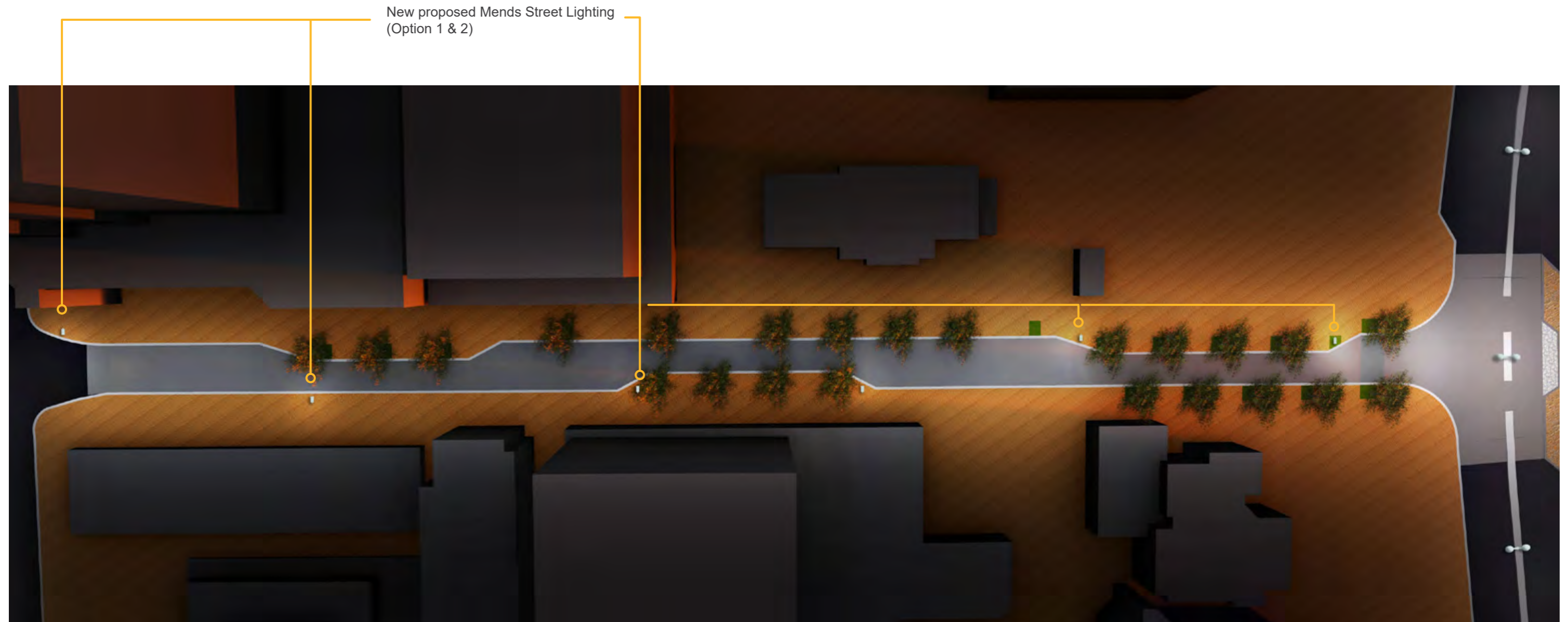
iGuzzini MaxiWoody Compact
Uplighting existing plane trees.



Multi Purpose Pole

- Locally manufactur Aluminium or Galvanised steel.
- Powdercoat or two pack polyeurathane finish.
- Base Plate mounted to concrete foundation concated below ground.

HARPER TERRACE LIGHTING



Custom Mends Street Lighting (Option 1)

Simplified without planters and additional lights.



Custom Mends Street Lighting (Option 2)

Simplified without planters and additional lights.

DESIGN ELEMENTS

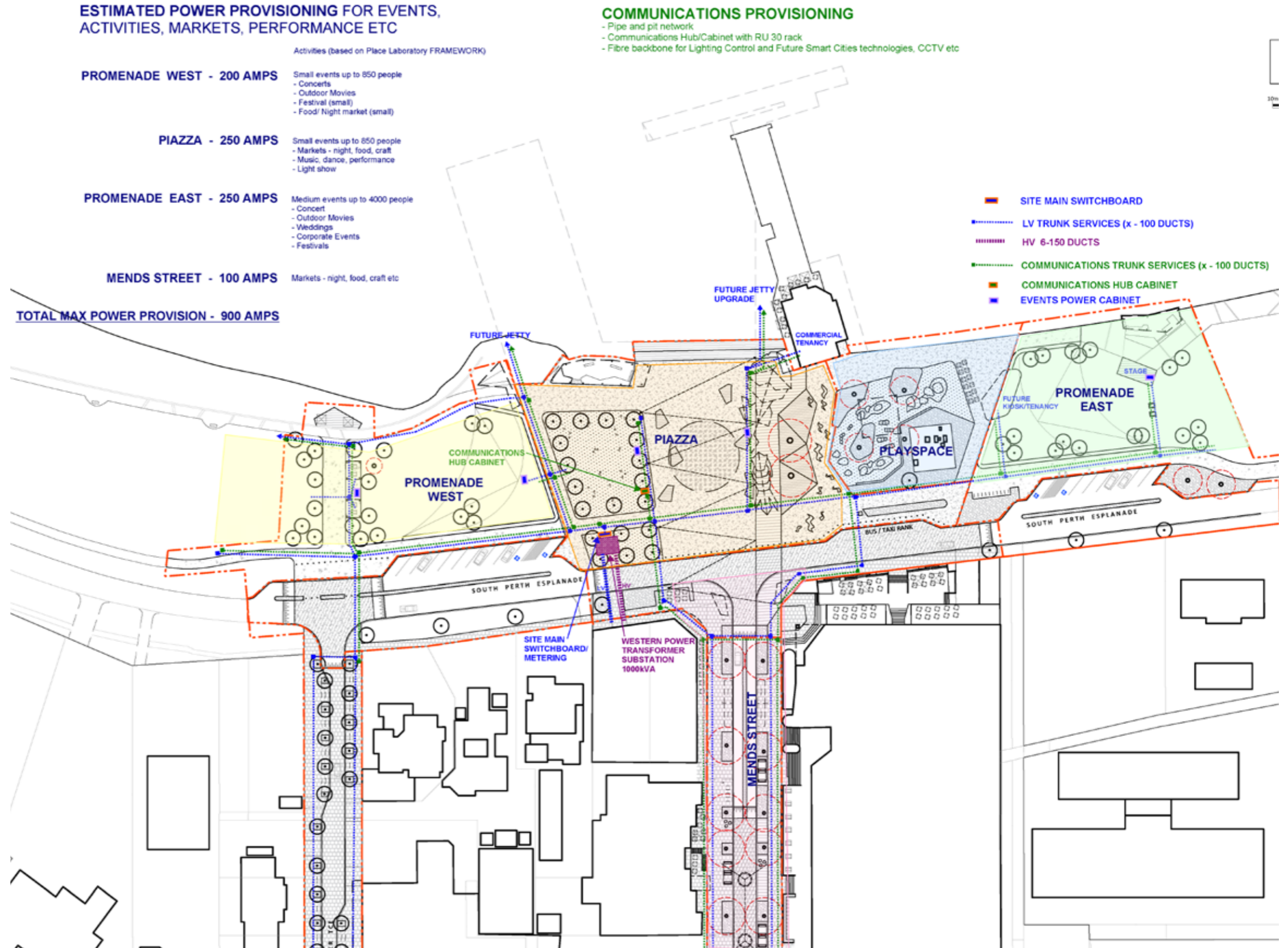
POWER

This power & communications concept plan has been prepared to reflect the anticipated servicing needs of the planned foreshore upgrades, new lighting and place activation aspirations both initially and into the future. Included indicatively on the attached plan is a new 1000kVA transformer substation, Site Main Switchboard, Communications Hub Cabinet, power & communications pipe and pit network, events power cabinets as well as an indicative power load allocation across the various areas of the Foreshore including Mends Street, South Perth Esplanade and Harper street. The existing foreshore power supply is currently rated to only 63 amps and is therefore only capable of servicing the small quantity of existing lighting and power.

A new substation on the Foreshore will be essential to support the estimated power demands into the future however this needs further discussion and validation of load increase with input from relevant stakeholders before a feasibility design is lodged with Western Power. It is recommended this be given a high priority as the process, approval and implementation to upgrade power can have significant cost and time issues. Western Powers typical spacial requirement for a 1000kVA substation complete with screened wall is nominally 5900mm x 5300mm. A new site main switchboard (rated to 1kVA) will need to be located adjacent the Substation to Western Powers requirements but can be enclosed or screened. The substation is indicatively located on the adjoining plan adjacent the South Perth Esplanade on the edge of the Bosque as this location offers some potential for additional screening from the proposed landscaping, is central to the overall foreshore power demand for efficiency and is close to the road reserve as required by Western Power for servicing and connection.

The reticulated pit and pipe system for both power and communication services indicates conceptually the major distribution pathways and these will need to be refined as part of the detail design. Spare conduits to service future foreshore developments such as the western jetty, toilet and kiosk are indicatively shown.

The communications pipe and pit network is proposed to terminate in a central communications hub cabinet within the Bosque area. This cabinet will include a communications rack and power supply to support headend and distribution services equipment for Wifi, future Smart Technologies, CCTV, lighting control interface to remote operation etc. Communications conduit provision from the Hub is proposed to be distributed around the precinct including to future buildings and into light poles for servicing and roll out of future systems such's as CCTV. Conceptual servicing provisions have been benchmarked from similar recent developments undertaken by ETC at Scarborough beach, Rockingham Beach and Koombana foreshore redevelopments as well as Midland Railway Square.



PROPOSED STAGE 1 WORKS

PROPOSED STAGE 1 WORKS

CONNECT SOUTH MENDS STREET

Following the development of the Master Plan an indicative stage one plan has been developed that aligns with the NSRF and City funding for the project. The final scope of this stage is subject to consultation and design development work.

These works will implement the key components of the foreshore area and provide a series of minor upgrades to Mends Street which will enhance the streetscape whilst the major developments in the area are taking place.

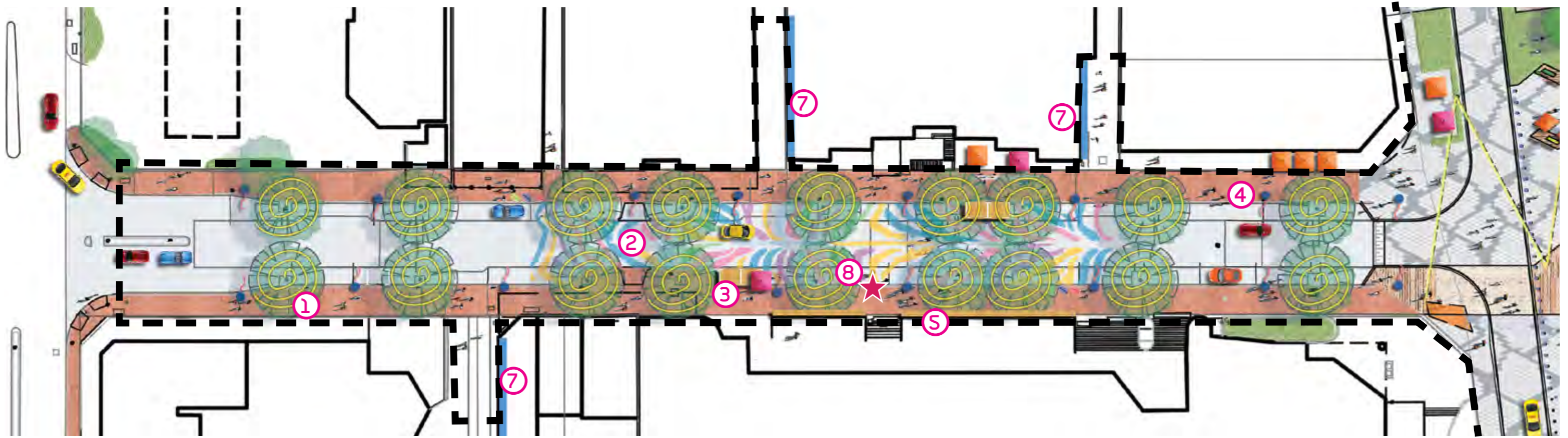
Together with the Place Activation team the project will also include a series of minor upgrades within Mends Street. These works could include the introduction of new street furniture, parklets, murals and ground graphics, way-finding and replacement of the street tree lighting to enhance the street and promote the Mends Street brand whilst major developments in the area are being completed. The full street upgrade are to be undertaken at a later date when development construction works are completed.

The foreshore works will include the creation of the bosque, piazza, Jetty Link, canopy, Duchess seating and Close Encounter sculpture walk together with a raised intersection that will connect the foreshore to Mends Street.



PROPOSED STAGE 1 WORKS

MENDS STREET MINOR UPGRADES




①  REINSTATE STREET TREE LIGHTING

②  GROUND GRAPHIC

③  PARKLET

④  BANNER



⑤  LONG BENCH

⑥  BIKE RACKS

⑦  WALL MURALS

⑧  AUGMENTED REALITY ART



PROPOSED STAGE 1 WORKS

NODE 1 PIAZZA



PROPOSED STAGE 1 WORKS
FORSHORE PIAZZA





PROPOSED STAGE 1 WORKS
FORSHORE PIAZZA





APPENDIX



A.1 MENDS STREET PLACE ACTIVATION STRATEGY



MENDS STREET PLACE ACTIVATION STRATEGY

SEPTEMBER 2017

Prepared by



Prepared for





DOCUMENT STATUS

PREPARED BY:

**Spaced Out
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REVISION:

Draft V2

DATE ISSUED:

21/09/2017

05/10/2017

CONTENT

1. INTRODUCTION
 2. PLACE VISION
 3. THE COMMUNITY ENGAGEMENT PROGRAM
 - 'IDEAS' CAR WORKSHOP
 - OPEN HOUSE
 - ONLINE HANDS UP SURVEY
 4. ACTIVATION THEMES MOVING FORWARD
 - CASE STUDIES
 5. PLACE ACTIVATION PRINCIPLES
 6. BUILDING A TOWN TEAM
 7. MEASURING ON-GOING SUCCESS
- TIMELINE
- SAMPLE BUDGET





1. INTRODUCTION

The City of South Perth has engaged the services of Spaced Out Placemakers to undertake a Place Activation Program and build community capacity along Mends Street, South Perth. The main goal is to generate ideas from the community, which has multiple uses and will attract an array of people to the area creating new economic opportunities and community development.

EXISTING CONTEXT

Mends Street is a mixed use commercial and residential precinct surrounded by beautiful parklands, the Swan River, Perth Zoo and main arterial roads of traffic. The area has an uninterrupted view of the Perth CBD and a direct connection to Elizabeth Quay via the Ferry. The area celebrates a rich history of the Mends Street Jetty and Perth Zoo as one of the original tourist destinations in Perth.

CONNECT SOUTH

The connect south beautification project is currently in the planning phase with an expected completion date of stage 1 in October 2017. The project focuses on improving public amenity via place activation, wayfinding, access to transport and greater economic opportunity.

When completed, Connect South will greatly improve the prosperity of the precinct, however in the short-term will cause further construction disruptions, reinforcing the need for on-going activation.

RETAIL ASSESSMENT

A thorough economic and planning retail assessment of Mends Street has been undertaken by Urbis. The success drivers required to create Mends

Street as an improved functioning place include an appealing streetscape, priority to people over vehicles, a strong mix of business tenancies and communicating a strong identity or brand.

MEND'S STREET TOWN TEAM

A critical component of town centre regeneration is the ability of businesses and residents to work together and build capacity within the community.

Therefore it is necessary to create an activation network with the purpose of increasing the vibrancy & activity of Mends Street in a manner, which supports all local business.

2. PLACE VISION

Continue working in partnership with businesses and residents to generate new ideas for short-term activation with the purpose of creating Mends Street as a vacuum when it comes to quality of life through activation, bringing more people onto the street and staying for longer periods of time.

Events, installations and a strong communications presence will act as a catalyst for a renewed perception of Mends Street as a positive, attractive and vibrant place to visit and hang out. It will also encourage more people to become involved, contributing to greater investment in the area, a renewed identity of Mends Street and the feeling of a prosperous future.



“CITIES HAVE THE CAPABILITY OF PROVIDING SOMETHING FOR EVERYONE, ONLY BECAUSE, AND ONLY WHEN, THEY ARE CREATED BY EVERYBODY.”

- JANE JACOBS

3. THE COMMUNITY ENGAGEMENT PROGRAM

Community engagement is critical in appreciating the deeper context of place and building community participation within Mends Street.

'IDEAS' CAR SURVEY WORKSHOPS:

The short-term engagement has focused on gaining a better understanding of the following activation principles:

- Infrastructure
- Encouraging Business
- Circulation
- Events
- Inclusion
- Communication

Two workshops were undertaken on Saturday, 22 July and 5 August from 10am to 2pm located on the pedestrian footpath near the corner of Mends Street and The Esplanade.

Methods for understanding the community's activation input moving forward was measured by prioritising the most necessary and popular principle's and discussing ideas, which were painted onto an 'ideas' car. The purpose of painting was used to facilitate more creative ideas and create visual interest for people to participate in the survey.

OPEN HOUSE:

An open house community workshop was organised on Saturday, 12 August from 9am - 3pm for the purpose of verifying design principles with the 'Connect South' Public works with the community and defining short-term activation ideas for specific spaces within the Mends Street precinct.

In regard to the short-term activation ideas, participants were asked to assess the outcomes of the activation principles and stick post-it notes at preferred locations for activation.

ONLINE 'HANDS UP' SURVEY:

An online survey was also generated for the purpose of asking residents and businesses about desired streetscape experiences, understanding the 'vibe' of Mends Street and further ideas for place activation.



FINDINGS - IDEAS CAR WORKSHOPS

The 'ideas' car workshops provided a clear desire to focus the attention of activation on providing events and infrastructure along Mends Street. In total, 223 comments were received, which is considered a quality volume of response to generate considered findings.

The main findings of the consultation workshops were as follows:

- Participants preferred any quick win activation to focus on infrastructure, events and encouraging businesses;
- The most popular type of event would be to close Mends Street for some type of food markets and music orientated activities;
- Short term Infrastructure improvements should focus on lighting, greenery and 'playable' spaces;
- Long-term Infrastructure along Mends Street should focus on landscaping, creating public spaces, creating the ability to close Mends Street, bike friendly areas and more pedestrian friendly environments;
- We can encourage businesses through events, more seating and creating bike friendly areas;
- Inclusive spaces can be created by spaces being designed for families and young children;
- There was an older resident who didn't comment but told us a story about how the zoo used to have elephant rides down Mends Street. He also wanted to have a CAT system throughout south perth using a safari bus - very fun!

FINDINGS - OPEN HOUSE RESULTS

More than 100 businesses and residents attended the open house workshop and engaged with the 'Connect South' design principles and quick-win engagement exercise. Below is a summary of the activation results:

Foreshore:

- Create the foreshore as a destination for events such as weddings, buskers, lighting installations. Implement a sign that reads 'Dolphins Swim Here - Watch Out'
- Animal themed / nature playground
- Lawn in front of Coco's: Create a stage for temporary art sculptures for the public to photograph. Possibly the installations could be more interactive so people take photos with the artworks and they change every month. We could run a temporary art competition...

Mends Street North:

- Art Installations guiding people through the street
- More creative and varied use of tenancies - art spaces, organic produce, cat cafe, cooperative workspaces, galleries, etc
- More activities - markets, lighting, sculpture, violins
- Make use of laneways for murals, lighting and busking
- South Perth should be known for lovely exotic nights!
- Greater pedestrian spaces, bike racks and seating

Heritage Precinct:

- Make better use of heritage buildings and include lighting features to show off architecture
- Encourage the old mill to be used as the centre of music, arts, buskers
- Tram with open barn

Windsor Park:

- Kids Activities, open air cinemas.
- Add to May Gibbs sculpture with a playground

Bowling Club:

- Open up theatre and bowling club for park use
- Create more flexible uses at times when the bowling club isn't busy - arts centre, gallery, school

FINDINGS - HANDS UP ONLINE SURVEY RESULTS

- A large screen with live feeds of other interesting places around Perth
- Be a hub for innovation and create a place for people to come and see 3D printing in action
- Create activities and fun things to do while you are waiting for the ferry or walking down Mends Street like Hopscotch
- Secure bike parking
- Mends Street should be a shared zone with the highest priority given to pedestrians
- Create Mends Street as an oasis in the city with more greenery, seating, etc
- Continue encouraging a strong mix of businesses



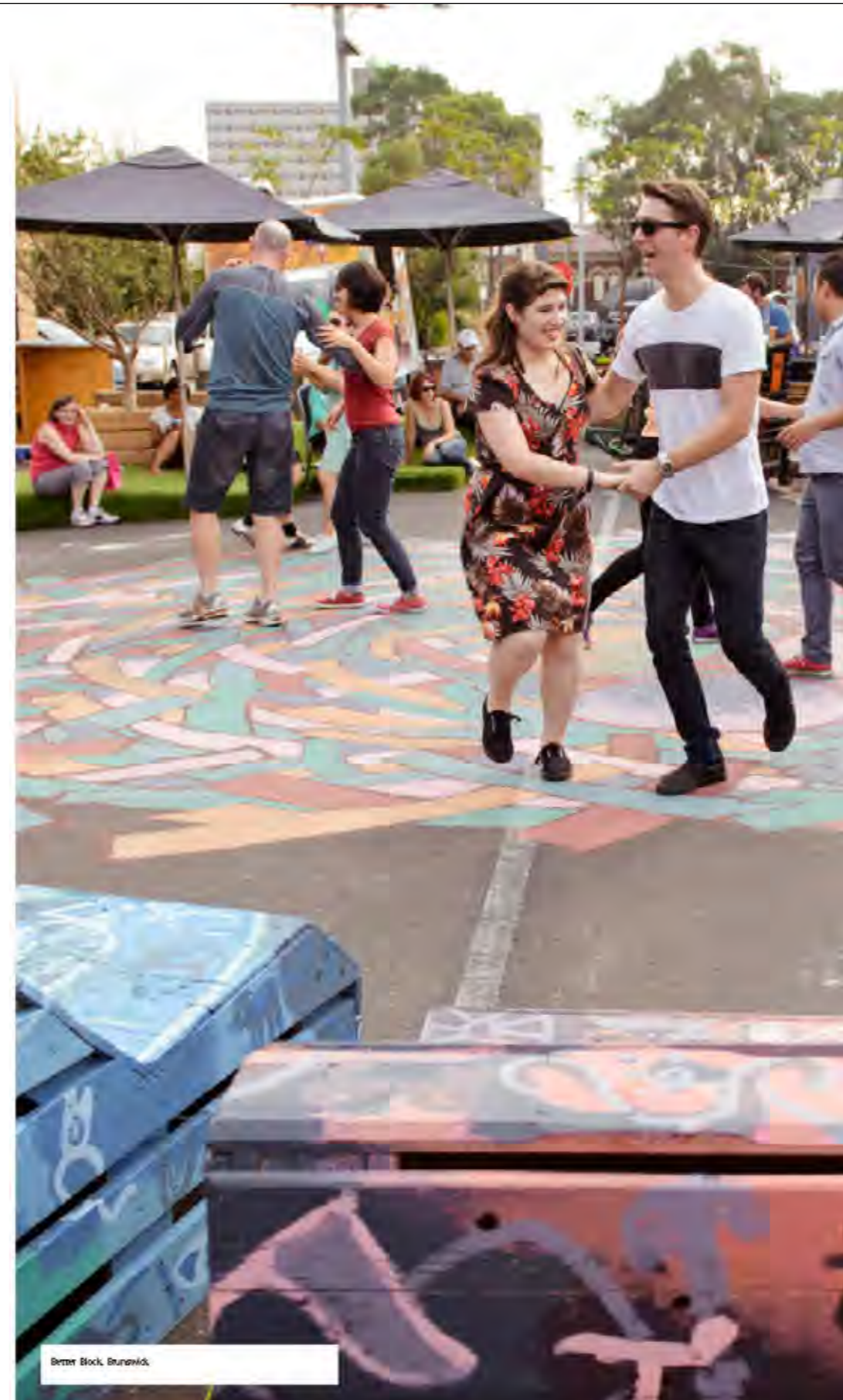
4. ACTIVATION THEMES MOVING FORWARD

Understanding the context of Mends Street and constructing a quality engagement program has provided a clear path for the type of activation needed along Mends Street connecting the foreshore with the Zoo. It is important that pocket activation spaces are created throughout the street enticing people to walk through Mends Street visiting the local businesses and continuing a renewed curiosity of the streetscape.

On-going activation with increased communication will generate a wider interest and place brand awareness of Mends Street as becoming a more popular local centre precinct with on-going activities.

The main themes moving forward with activation include:

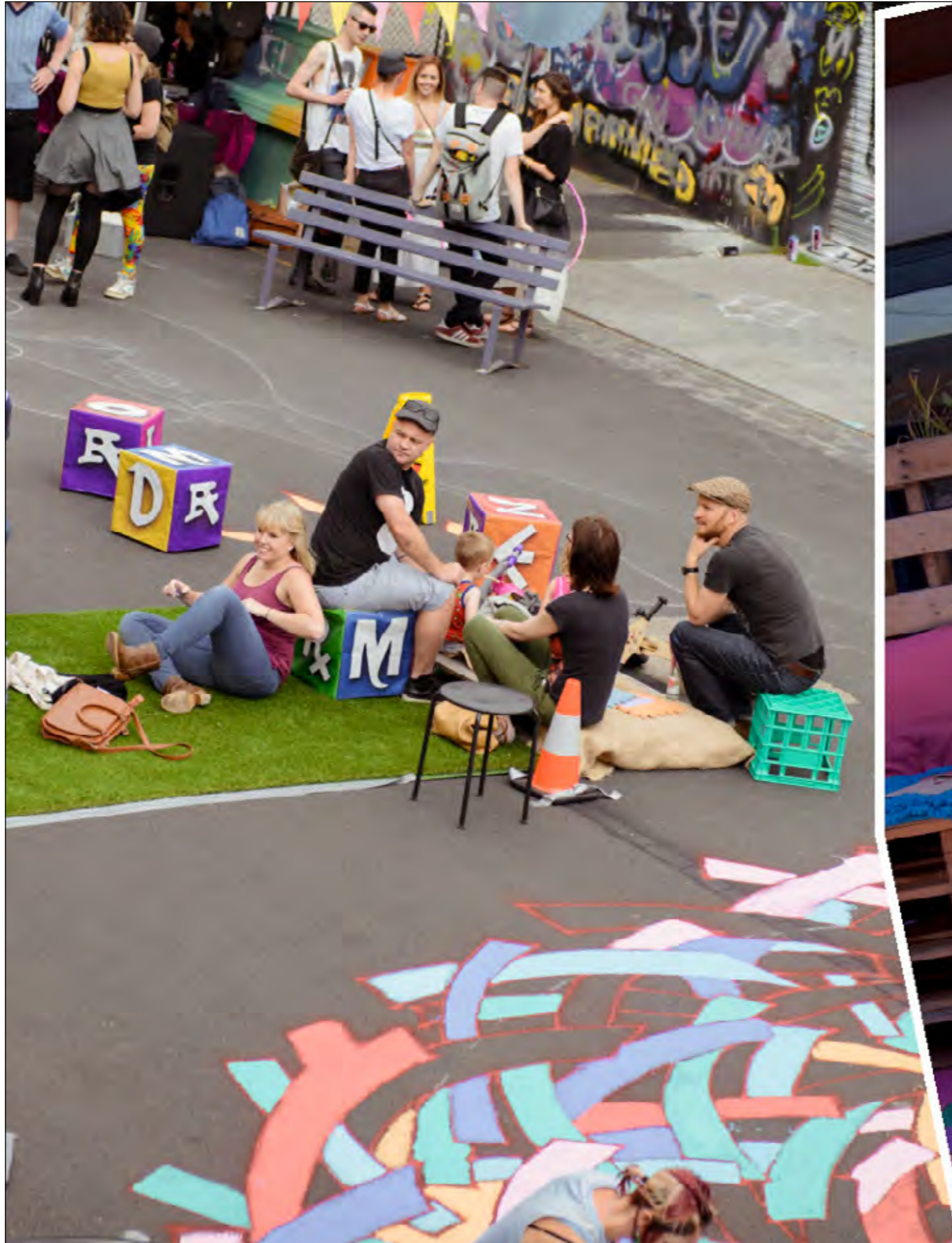
- **MEDIUM-SCALE EVENTS:** Events generating 1000-2000, including the closure of Mends Street, which benefit the existing businesses and cause minimal disruption to neighbouring residents. Examples may include a weekly Farmer's Market, Prototype Festival, international busking events, open-air cinema, etc;
- **POCKET 'BUSKING' EVENTS:** Small events generating 50-100 people, which cause no disruption to the street and provide small moments of life, which draw people from the foreshore. Generating a number of small regular pocket events will create paths of regular activity, increasing foot traffic and causing people to spend more time on Mends Street and visiting local shops. Examples may include local music, busking, long-table dinners, permanent giant board games, etc.
- **CREATING CREATIVE CHANGES:** Interactive spaces which include public art, lighting, seating and places to secure push bikes along Mends Street will generate a safer, more comfortable and enjoyable experience. Physical changes is also an additional communication tool showing people that a place is undergoing positive change and there is a desired willingness for innovation, creativity and vibrancy.



Better Block, Brunel



- **EXPLORING NEW SPACES:** Laneways, underutilised parks, car parks and views are great spaces to explore for possible 'playable' spaces, events, installations and infrastructure improvements. More specifically, small pocket spaces do not often require a lot of money to bring to life and can create comforting rooms for small events. In contradiction, a large open space with family activities can be a great space for bringing together larger parts of the community.
- **WAYFINDING:** Creating a stronger connection between the ferry and the perth zoo, with the all the pocket spaces in-between is critical for generating increased activating and drawing the masses of people from the foreshore. Being creative and vibrant with wayfinding can also bring more colour into a street instead of using standard signage. Ideas may include following a 'where' wally, creating a treasure map of ideas, story telling of different places, coloured paved lines for different destination routes, etc.
- **CREATING A FAMILY VIBE:** Creating activities and events popular with families and young people will create further opportunities to attract more people into Mends Street.
- **EXOTIC NIGHTS:** Our survey and a general investigation of the area provides a clear indication that Mends Street does not have a strong night-time economy or foot traffic, especially during the week. Light installations and events may provide reasons for more cafes and restaurants to open after 4pm, which will contribute to more people visiting Mends Street in the evening.
- **COMMUNICATION:** A strong brand for the area accompanied with regular social media activity advertising the place activation vision and on-going events and activities will let people know what is happening and assist with implementing a refreshed perception of Mends Street.





CASE STUDIES

There are many fantastic examples of placemaking solutions from around Australia and internationally, which fit a similar context to Mends Street.

BETTER BLOCK, BRUNSWICK

Moreland City Council trialled several different activities over a 56-day period, increasing community participation and buy in. Activities included street painting, food trucks, Bollywood dancing, reggae discos, climbing walls, tai-chi, drumming workshops, live music, etc. The aim of the project was to transform an unloved and underutilised street and into a popular public space.

TUCKY LANE, MANDURAH

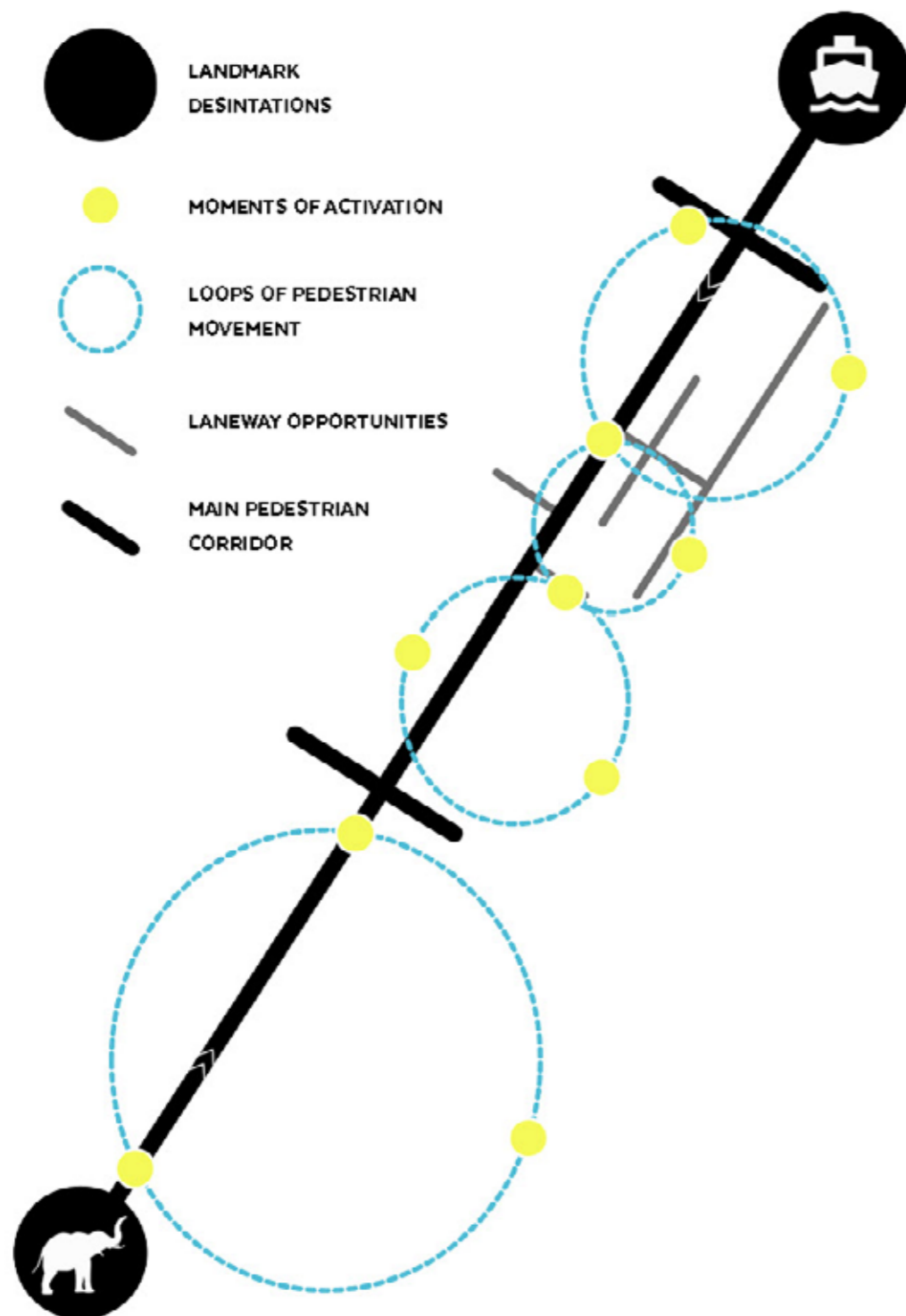
A local community group, Shape Mandurah in partnership with the City of Mandurah, created a prototype grant funding festival, which gave artists and citizens the opportunity to transform their streets on a small budget. Local artist, Tahnee Kelland, decided to work with the community to paint every brick in a laneway, create an interactive mural, seating, plants and a pop-up library.

SPLASH ADELAIDE

Splash Adelaide encourages local business to facilitate their own creative projects to bring Adelaide's spaces to life. Splash encouraged Sam from Treadly Bike Shop to launch his successful event 'Maker' - a street festival celebrating the passion, artistry and craftsmanship behind cycling products.

ALWAYS GOOD NIGHTS, BUNBURY

Good Nights is a series of intimate live music nights hosted in surprising locations around Bunbury. Venues are generally located after hours in retail shops, empty spaces, etc and provides interesting additional uses and activity in places, which would otherwise be empty and ignored. All events are BYO food and drink and the organiser maintains a simple philosophy aimed at providing a great listening experience and showcasing emerging talents.



5. PLACE ACTIVATION PRINCIPLES

CREATE MENDS STREET AS A MARKETPLACE

Implement activities and events along Mends Street, which encourage people to walk throughout the street between the Jetty and Perth Zoo.

LOOPS OF ACTIVITY

There are many small laneways and passageways through the South Shore Shopping Centre. Creating small activation in these spaces will encourage people to loop throughout the street and creating a deeper sense of place around Mends Street.

NO MORE BLANK SPACES!

Fill the empty blank spaces with installations, lighting, seating, bike racks, murals and playbourhoods!

CELEBRATE PUBLIC SPACE

Make the most of public and semi-public spaces in and around Mends Street. This may include activities in Windsor Park, car bays, laneways, empty spaces, etc. There is always an opportunity for activation.

COMMUNICATE YOUR BRAND

Build a refreshed positive brand for the area and celebrate who you are to the world!

BUILD YOUR BUSINESS

Business tenants should be encouraged to increase shop front activation, advertise more on social media and let everyone know Mends Street is alive!

WORK TOGETHER

Mends Street is going to be much more popular and activated if everyone works together including businesses, residents, councils and landowners.

“MORE ACTIVITY
EQUALS
MORE ACTIVITY”

- JAN GEHI

6. CREATE A TOWN TEAM

Communities are most successful when they are able to work together. Being organised provides the confidence and capacity to be independent and make your own choice how your town centre grows. Over time you will find this independence will evolve into a positive and unique identity, which is celebrated by your community and the outside region creating a more popular and prosperous destination.

Town Teams help to organise, engage and empower local residents and businesses to make the places where we live amazing places to be. We see our town team's as a place that we will curate and lead their development.

MAKE IT HAPPEN IN YOUR PLACE! DON'T WAIT FOR "SOMEBODY ELSE" TO DO SOMETHING.

TOWN TEAM PRINCIPLES

Doing Together

Town teams are people working collaboratively to do things that they cannot do by themselves. They are made up of businesses, residents, community groups and local governments. Our projects are about collaboration, innovation and creativity.

Positive Influence

Town teams advocate projects that build resilience, compassion, tolerance, generosity, and spread benefit to all sectors of our community. We also see it as our role to speak truth to power, but this must be done in a constructive manner.

Promote High-Quality Development

Town teams work across a whole range of different areas. Our towns and places are complex eco-systems of people, culture, transport, work, buildings, environments and business. Designing projects that will bring positive change requires deep and intelligent thought about what we are trying to achieve and how we will get there. Our projects require a wide focus that brings benefits to many people rather than a narrow focus that only benefits a few. Town teams promote high-quality, environmentally sustainable development that provides for current and future residents, businesses and communities.

I HAD ALWAYS WANTED TO GIVE BACK TO MY COMMUNITY IN SOME WAY, BUT NEVER KNEW WHAT TO SINK MY TEETH INTO. I WANTED TO BE INVOLVED IN SOMETHING WHICH COULD ENACT REAL CHANGE, FROM GROUND LEVEL UP. JOINING SHAPE MANDURAH HAS ALLOWED ME TO DO THIS, AND ENGAGE WITH THE COMMUNITY TO SEE REAL RESULTS OCCUR IN MY OWN CITY.

- CANDICE DI PRINZIO, SHAPE MANDURAH CHAIRPERSON.





7. MEASURING ON-GOING SUCCESS

It is recommended to undertake an annual place audit as well as regular communications and surveys with local businesses and residents.

A few tools to measuring the place audit include:

- PPS Place Audit
- Economic Development Surveys
- Place Perception Surveys
- People Counting (if resources available)
- Resident and Business Survey
- Facebook Content Analysis
- Quality of Life Study

ACTIVITY TIMELINE

NO	ACTIVITY	DATE	MORE INFO
1	Monthly Traders Meetings	July 17 - On-going	Keep traders informed of project updates, request feedback and capacity building
2	Place Activation Engagement Program	Aug 17 - Sept 17	Building place data
3	Weekly Farmers Market	Oct 17 - on-going	
4	Community Open Air Cinemas	Oct 17 - on-going	
5	Mends Street Branding	November 17	Publish brand, website, social media
6	Community Forum & ECU Student Activation Exhibition	November 17	Student Activation Exhibition and public call for community group volunteers
7	Quick win infrastructure improvements	Dec 17 - Feb 18	Install lighting, bike racks, etc
8	Creative Arts Installations	Dec 17 - Feb 18	Support local arts installations. Include press release and marketing for upcoming events
9	Activation Group AGM	Dec 17 - Jan 18	Official AGM to create role for volunteers and Activation NFP
10	Community Group Action Plan Completed	March 18	Develop and publish an activation plan for on-going community and business activation.
11	Small Busking Events	Jan 18 - March 18	Regular small scale events
12	Art Installation Grants	March 18 - April 18	Small scale arts installations and activation infrastructure
13	Place Audit & Recommendations Moving Forward	May 18 - June 18	

SAMPLE BUDGET

NO	ACTIVITY	REASON	COST
1	Pop-Up Cinema Night	Encourage volunteers to be involved and initiate community events	\$800
2	Engagement Workshops	Workshop materials to create engagement program	\$700
3	Place Activation website, social media kit and branding	communication tools to advertise Mends Street	\$1500
4	Infrastructure Costs - lighting, seats and bike racks	short-term infrastructure to create a more comfortable and inviting environment	\$4,000
5	Small Busking Events throughout year	Hire equipment, musicians, etc	\$10,000
6	Marketing Material	Graphic design, event posters, printing costs, facebook posts, etc	\$5,000
7	Arts Funding Opportunities	prototype arts installations, branding statements, activation ideas	\$5,000
8	Community Events	On-going medium scale events costs	\$5,000
9	Weekly Farmers Market	All costs to be covered by event organiser	Nil.



APPENDIX

A.2 CIVIL ENGINEERING

As the proposed development is a vehicle and pedestrian friendly environment, raised road pavement areas are proposed midblock along Mends Street – north and Mends Street – south and the northern intersections of Harper Street and Mends Street. At the raised platform areas, pavement type will be contrasting with bollards placed along the kerb line to prevent vehicles from entering the verge or footpath areas. These platforms have been incorporated to provide safe pedestrian crossings and maintain vehicle speeds to 20-30kph.

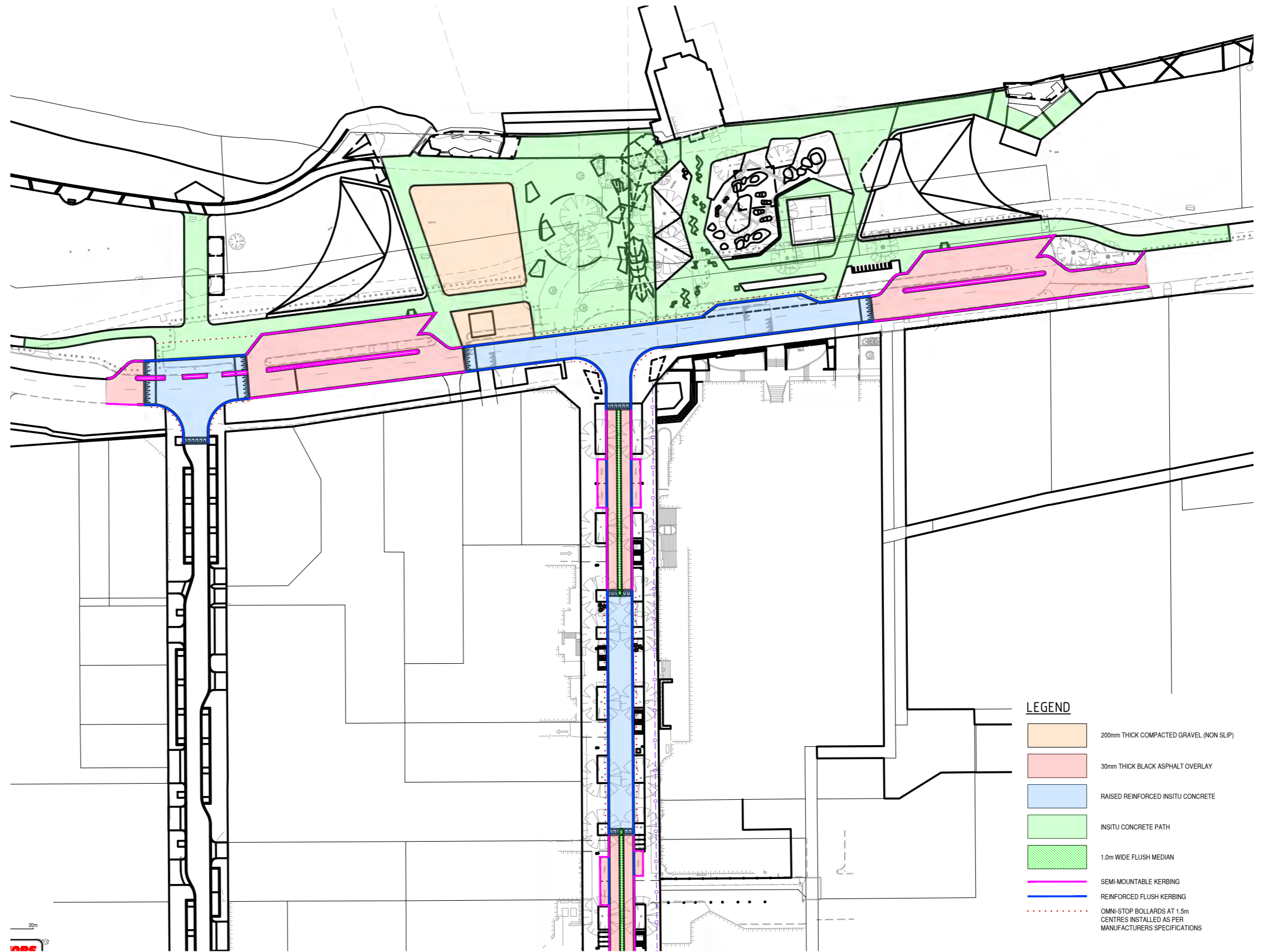
Reducing the road carriageways to a 2.5m width with a 1.0m central 'flush' trafficable median allows a vehicle to pass a cyclist or 'broken down' car without hindering traffic flows if required.

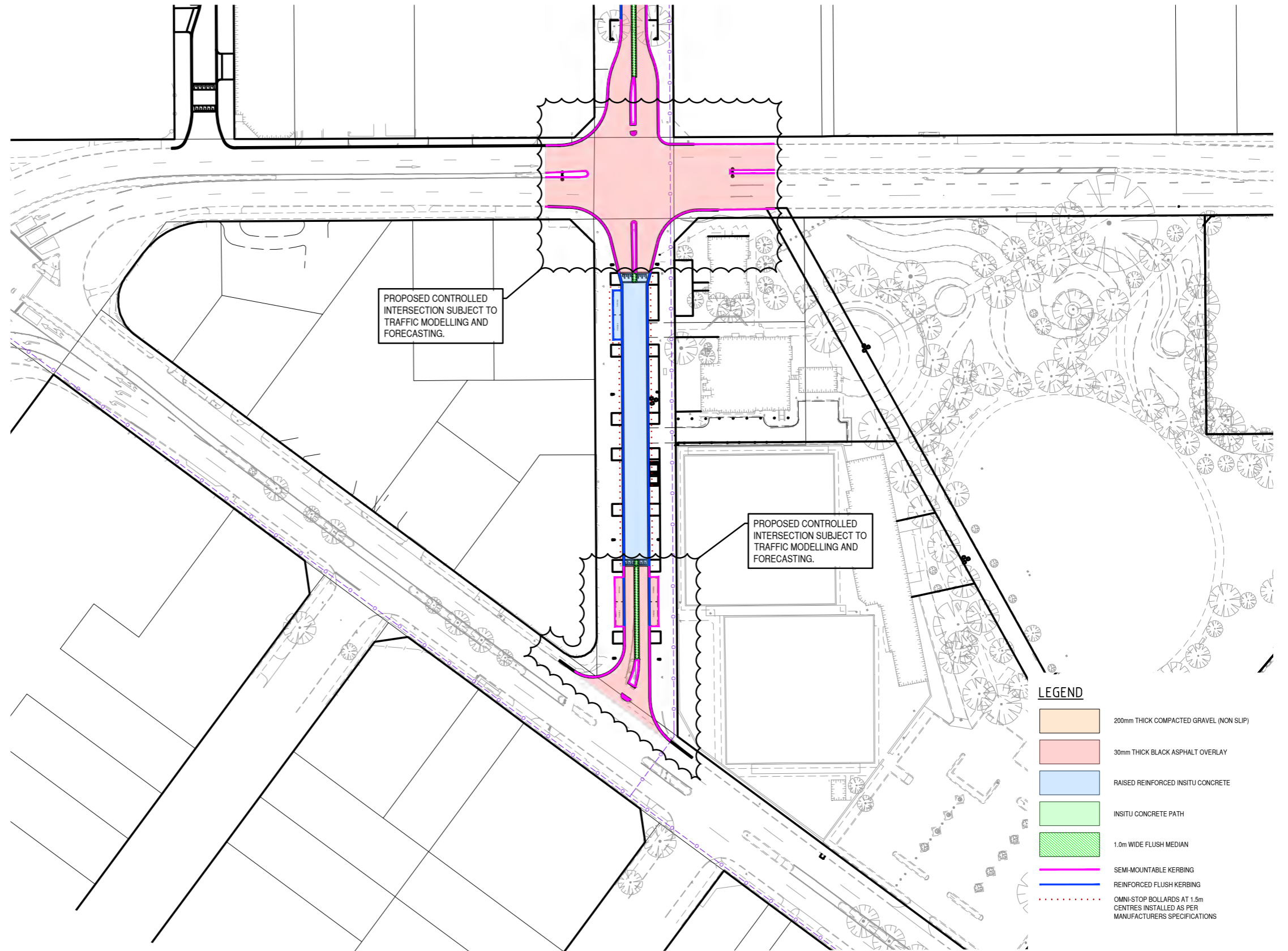
Harper Street has proposed car parking located on alternative kerb lines to promote a vehicle to 'giveaway' to oncoming traffic. By creating a chicane effect of parked cars on a two way street that also allows a cyclist to traverse along the road with safe clearance from vehicles.

Proposed angled car parking located at the east and west of the Piazza is to be kept at a distance that does not create excessive vehicle movements in the activated pedestrian area. The median between the carbays and the Esplanade traffic is to prevent reversing cays into the traffic flow.

To the north of the angled carbays a proposed 4m wide shared path that will provide sufficient width from the parked car overhang. It is expected that the path will be mainly shared between cyclists and pedestrians, some with prams.

Stormwater drainage collection within the Piazza and Mends Street will be mostly by way of 'heel safe' trench drains that shall discharge into the existing City of South Perth drainage network. Within the kerbed pavements, stormwater collection will be using gully pits with 'wave type' grates.





A.3 NARRATIVE RESEARCH

Throughout the design process the design team with Malcom McGregor have undertaken detailed research of the history, people and places of South Perth to develop narratives for the Connect South Mends Street project that can be used to inform the design process.

NARRATIVES

The Mends Street Precinct reveals patterns of movement, connections, and relationships that resonate with the stories of urban growth in greater Perth and the state. These stories not only remind us of the past but describe possibilities for the present.

The stories of the South Perth peninsula are ones of isolation and connection; of standing on the river's edge and looking to the other side. Its geographic setting to the south of the Perth CBD has been both its greatest attribute and, at times, an obstacle to its growth.

Global changes have filtered into its local history; shaping settlement of the South Perth peninsula and beyond. The stories of the peninsula reveal shared values that laid the foundations for social transformation, continuity in the face of the change and a sustained vision for the future.

SETTING

The Mends Street Precinct has been the heart of the South Perth peninsula since European settlement. Since well before that time it has been the traditional land of the Beeloo Noongars, for whom it was an important camping and fishing area,

Noongars would camp in the surrounding peninsula area when the banksias were flowering and extract honey from the blossom. A spring on the Melville Water side was widened at that time of year and blossoms were left to ferment in the water. The fermented drink was then consumed as part of this special occasion.

Noongar people have a long association with the South Perth area. However, the Mends Street precinct does not currently feature prominently in the available Aboriginal histories. Further consultation with the Noongar community may reveal additional connections with the area.

PLACES

Places are defined by their relationships and connections. This is particularly the case for the Mends Street Precinct; where points on a journey translate directly into urban form.

Perth Waters

The meeting of land, sky and water can be a sublime experience. The expanse of Perth Waters can be appreciated from the river's edge, in the act of crossing or from the privacy of the balcony. The river is the central character in the drama of South Perth. The river's elemental qualities precede its human history and endure relatively unchanged.

Foreshore

The meeting of land and water is not fixed in time. The ebb and flow of the tides, flooding, erosion and human intervention means that the river's edge is constantly changing. Standing on the edge, wading in the shallows or passing along embankments, these moments fulfil our basic need for connection with the natural environment. The foreshore is the rim that binds and connects us to Perth Waters and the city.

Mends Street Jetty

Mends Street Jetty was one of three jetties in the servicing the South Perth foreshore. It became a major part of the transport system between the Perth CBD and South Perth with the opening of the Perth Zoo in 1898. To accommodate the need for a regular ferry service to the Zoo, the jetty was widened to coincide with the building the Barrack Street ferry terminal,

The Mends Street Jetty is a lasting reminder of the importance of river transport to the early Perth settlers and the sense of isolation South Perth residents experienced prior to the opening of the Narrows Bridge in 1959.

Perth Zoo

The impetus for the establishing a zoological garden came from a desire to help new arrivals to the burgeoning 'western colony' acclimatise to the exotic Australian landscape. Introducing European species into the Australian landscape proved to be a short-lived and misguided venture. However, the zoological garden proved to be much more popular.

Core infrastructure was built including accommodation for bears, monkeys and mammals. The first of many animals to arrive by ship were an orangutan, two monkeys, four ostriches, a pair of lions and a tiger. Fifty-three thousand visitors attended in the nine months following the Zoo's opening in 1898.

Windsor Hotel

The Windsor Hotel at the intersection of Mends Street and Mill Point Road is an important component of the Mends Street heritage precinct. The building was sited to take advantage of the patrons visiting the Perth Zoo whose journey included a ferry trip across the Swan River.

Historic Precinct

Moves to create a civic heart for the district gained momentum with the establishment of the South Perth Road Board. The municipal offices, post office, police station and other public buildings have been preserved as a legacy of South Perth's early growth and identity.

PEOPLE

Through their ideas and effort, many people have contributed to making the Mends Street Precinct what it is today. They often acted without knowing that they were leaving a legacy for future generations. They include, but are not limited to the following:

Munday

Munday was the leader of the Beeloo people during the time of European settlement and was recognised as an important negotiator for the Whadjuk community. The Beeloo district is bounded by the Canning River on the south, Melville Water on the west, by the Swan River on the north.

Midgegooroo

Midgegooroo was the Noongar elder for the Beeloo area further south of the Swan River at the time of European settlement. His family had customary rights to land use over an extensive area of what is now southern metropolitan Perth. They were allowed to move freely across even more area, presumably because of kinship ties with neighbours.

William Fisher Mends

Mends Street was named for William Fisher Mends who arrived in Perth in 1851, and was later appointed Assistant Commissary-General of the Colonial Government. Mends built a weekend house in South Perth and occupied it until the death of his wife in 1856.

A.3 NARRATIVE RESEARCH



He was able to indulge his love of horticulture in the fertile soils of the South Perth foreshore. The terraces behind the cottage were laid out in the strawberries from which the property derived its name of Strawberry Hill. He left the colony in 1859 to live in the Caribbean.

May Gibbs

May Gibbs was a children's author, illustrator, and cartoonist. She is best known for her gumnut babies and the book 'Snugglepoot and Cuddlepie'. The Gibbs family lived for a period at 'The Dune' on the corner of Harper Terrace and Mill Point Road. Over this time the young May spent many impressionable years observing the beauty of the Australian bush.

Ernest Albert Le Souef

Ernest Albert Le Souef was one of ten children born to Australia's premier Zoological family in Victoria. A qualified veterinarian and veteran of two wars, he had worked as Secretary to the Victorian Acclimatisation Committee before his appointment as Director of Perth's Zoological Gardens where he was architect, landscape designer, road constructor and animal collector.

PUBLIC TRANSPORT

Public transport has played a critical role in the evolution and growth of the peninsular. Despite South Perth being identified as the first separate suburb of Perth, its growth remained slow because of difficulties accessing the area and because there was little need for a suburb at that time.

The relative isolation of the early peninsular settlement allowed it to develop an identity that was distinct from that of greater Perth. Connections to the northern shore across Perth Waters only improved with the development of ferry services between the city and jetties on the South Perth foreshore.

When a suitable site for a zoological garden was being investigated, the South Perth site was preferred as it could be more readily accessed by ferry services. Perth Park, later renamed Kings Park, was considered to be excellently situated but difficult to access as a tram service was yet to be established.

The Mends Street precinct offered a retreat from daily life for greater Perth residents increasingly connected to ferry services by the expanding tram network. The zoological gardens, playing fields, hotel and teahouses provided a welcome escape.



The Duchess made its inaugural South Perth run to Mends Street Jetty two months after the Perth Zoo was opened. Its superior capacity allowed large groups of people to attend the zoo, with approximately one thousand people visiting the zoo the day after the Duchess went into service. The zoo's early success was almost entirely dependent on the effectiveness of the ferry service until the first trams were introduced.

The extension of the tram service to Como Beach addressed the needs of the growing number of local residents. It also provided access for visitors from greater Perth to clean, white sandy beaches for swimming, camping and day trips.

Continuing improvements in public transport drove the development of the Mends Street precinct until completion of the Narrows Bridge transformed its relationship to the city. Most recently, the opening of Elizabeth Quay has significantly increased the number of visitors arriving by ferry.

THE ZOO

Exotic animal species were once brought to Perth Zoo for eventual release into the local environment. These days the zoo's role has changed with active breeding programs run to support species recovery for a range of native Western Australian fauna.

Recovery and conservation efforts are currently focused on four threatened species. Since 1992, more than 3,000 animals bred at Perth Zoo have been released into protected wild habitat to help secure a future for these species on the brink.

While animals are contained within the zoo's grounds their presence is felt through the surrounding natural landscape, across the peninsular and beyond. Where once animals were bred for release into an unfamiliar landscape, their nocturnal calls are now heard in suburban streets.

The Kookaburra (Laughing Jackass)

The mocking laughter of the kookaburra may be regarded around the world as Australia's most recognisable birdcall but it wasn't heard in Perth until more than seventy-five years after European settlement.

European migrants released their familiar birds such as sparrows and starlings into the eastern Australian environment with devastating results to crops. In Western Australia, kookaburras were released near Mullewa around

1896 and over the following decade hundreds of birds were imported from Victoria and released from Perth Zoo and elsewhere. By 1912 breeding populations had been established in a number of areas.

Orangutans

Recently an orangutan climbed out of her enclosure at Perth Zoo to rescue her young son Sungai after he lost his grip on equipment and fell into a garden bed. Zoo visitors were evacuated to the safety of the nocturnal house until mother and son could be returned to their enclosure.

It was not the first time an orangutan has escaped its enclosure. In 2015 five-year-old Teliti delighted visitors and shocked keepers when she managed to jump out of a different exhibit.

In 2016 an orangutan born at Perth Zoo was released into the Sumatran jungle as part of a world-leading program. The male orangutan, named Nyaru, was the third to be released from the zoo.

Before his departure the eight-year-old ape had to learn to find food and water, make a nest and stay in the trees. Nyaru was been fitted with a radio transmitter and will be tracked by biologists for up to two years through the dense terrain.

Perth Zoo is the only zoo in the world releasing Sumatran orangutans into the wild. Temara made world history in 2006 as the first zoo-born Sumatran Orangutan to be released.

Elephants

Elephants in Perth Zoo need to walk to keep fit. South Perth residents remember when, over twenty years ago, baby elephants Putra Mas and Permai were taken for regular walks in Mends Street and the South Perth Esplanade.

Putra Mas has grown into an adult bull elephant and keepers now work with him at a safe distance. The zoo's Asian elephants, Tricia and Permai are still taken for walks around the zoo grounds and can be encountered face-to-face without any barriers.

Giraffes

Misha was one of the most famous giraffe in the world after the photograph 'The Kiss' captured her tending to her male calf, Makulu. The iconic picture resonated around the world, immortalising her and helping raise the profile of Perth Zoo and the endangered Rothschild Giraffe.

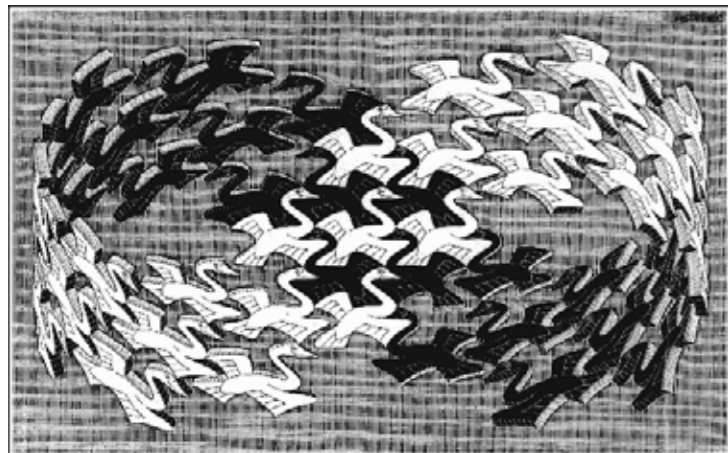
A.3 NARRATIVE RESEARCH



Indian Palm Squirrels

Indian palm squirrels colonised an area around Perth Zoo after they were released in the grounds over a hundred years ago. They are now considered a feral pest that occasionally appear in other Perth suburbs, even as far away as Wyalkatchem and Bullsbrook, due to deliberate or accidental movement,

Indian palm squirrels nest in trees, particularly pine trees or exotic palms, and close to houses and gardens. The squirrel poses a major threat to orchards and market gardens, damaging a wide range of fruit, nut and vegetable crops. In the zoos early days they would scurry through cages of before sometimes falling prey to predatory animals.



Western Swamp Tortoise

The Western Swamp Tortoise is one of the most endangered reptiles in Australia. Believed extinct for a century, there were fewer than thirty left in the wild when they were rediscovered.

The tortoise is only found in tiny pockets along the Swan Coastal Plain. Their original habitat was believed to be the clay-soil areas of Perth's Swan Valley, which was one of the earliest and heaviest to be developed for agriculture after the arrival of European settlers.

Since 1989, Perth Zoo has bred more than nine hundred Western Swamp Tortoises, of which over seven hundred have been released into the wild.



CHANGING ATTITUDES

Broader societal attitudes during the 19th and 20th century have had a profound influence on the character and growth of the Mends Street Precinct.

Strange Land

For early settlers, the Australian landscape, fauna and flora often appeared unwelcoming, unforgiving and even alien. Along with having to contend with the rugged, inhospitable Australian bush, severe droughts and flooding rains, there were also those strange animals and an unfamiliar night sky.

"The trees retained their leaves and shed their bark instead, the swans were black, the eagles white, the bees were stingless, some mammals had pockets, others laid eggs, it was warmest on the hills..." (J. Martin 1830)



Black Swans

Before European discovery of Australia, people in the old world were convinced that all swans were white, a belief that seemed confirmed by empirical evidence.

In 1636 a sailor first sighted black swans off the west coast of Australia. In 1697, the Dutch explorer, Willem de Vlamingh, ventured up the river and named it the Swan River after the large number of the birds that they observed there.

The sighting of the first black swan illustrated to Europeans the limitation to learning from observations and the fragility of knowledge. One single observation was able to invalidate an assumption derived from millions of sightings of white swans. All that was needed was one single black bird.

Acclimatisation Societies

These were born during a period when Europeans began to settle in unfamiliar environments. The movement sought to establish familiar plants and animals in new areas while also bringing exotic and useful foreign plants and animals into the European centres.

The Western Australian Acclimatisation Committee was instrumental in the establishment of Perth Zoo. Acclimatisation societies were voluntary associations that encouraged the introduction of non-native species in various places around the world with the hope of their acclimatisation and adaptation.

The motivation at the time was a sense that introducing these species of plants and animals would enrich the flora and fauna of a region. The appeal was the belief that the local fauna was in some way deficient or impoverished.

Public Gardens

During the 19th and 20th century municipal and civic gardens were created throughout Europe and the British Commonwealth. They were mainly pleasure gardens with very few of them having any scientific programs.

In 1880 Thomas "Satan" Browne established a dance hall and hotel known as Alta Gardens at Shenton's Mill. He added a balcony and viewing platform and promoted the site as Perth's first pleasure garden. The project was short lived but sowed the seeds for the zoological gardens that were to follow.

The Zoological Gardens were conceived and built at the same time that Perth Park was being established on the

other side of the river. In the early stages, it brought in cart loads of manure to enhance the sandy, nutrient poor soil and sank an artesian bore to reticulate the plants and trees that were sourced from every corner of the British empire.

The gardens flourished with rose beds, lupin fields, exotic tropical plants and a collection of palm trees that still stands today. The Zoo also grew its own crops to feed the animals and continues to do so. Landscaping and flora are a critical part of the design inside exhibits, not just around them. They are designed to create naturalistic habitats for the animals and immersive ones for visitors.

Sport and Leisure

Improvements in living standards in the late 19th Century led to a rise in demand for leisure activities. Perth's growing urban population was enjoying an increase in both disposable income and free time. People found they could afford to engage in sport and leisure activities, as participants and spectators.

In its early days, the Zoo was also a focal point for sports and entertainment. It hosted fashion parades, beautiful baby contests, croquet matches, mineral baths, live music, car shows and scout jamborees. Tennis matches were regular events and the Zoo was home to the Australasian Open in 1909.

Pony rides and goat carting were favorites and rides on the elephant were a standard part of the Perth Zoo experience right up until 1961. The Zoo train ran circles around the sporting oval from 1932 and the carousel opened in 1947.

Migration

People have moved from interstate and across the world to start a new life in the South Perth peninsular, encouraged initially by availability of land, the gold rush and expansion of the suburbs.

The foreshore area between Mends Street and the Causeway was home to Chinese market gardens operated on leasehold land. The Chinese had immigrated to Australia to join the gold rush in Kalgoorlie. Some turned to market gardening when denied miner's rights. For a period of about eighty years the market gardens supplied local and city markets with quality fresh fruit and vegetables.

There are many stories of new arrivals making the peninsular their home. Collectively, these migrants have helped create its multicultural character. The area continues to attract a significant part of new residents from overseas.

APPENDIX

A.3 NARRATIVE RESEARCH

THEMATIC APPROACH

The Mends Street Precinct has local, regional and international significance. The following broadly based themes seek to address the various audiences that live, visit and work in the area. They focus on personal or collective experiences with the potential to resonate through time.

Distant Shore

Standing at the riverbank the city appears both near and far. Looking from the outside the stillness of the city is an illusion only possible through separation. At night the 'City of Lights' is inverted in the river's shimmering surface.

Crossing the water and looking back we see the place from which we came for the first time. The ferry moves back and forth bringing new people to the southern shore. Away from the river we are still drawn to its presence. The theme can be expressed in a number of ways;

- / Making the south shore more visible from the water and Kings Park;
- / The sense of arrival and departure – landmark/threshold;
- / The significance of the river as the gateway to South Perth; and
- / Building anticipation for the Zoo experience.

Shared Sky

We all see the same sky differently. The premise initially brought together Yamatji and South African artists to respond to the same sky. Over time the sky over Perth Waters has been viewed in many ways.

The night sky allowed mariners to navigation through dangerous waters; Aboriginal people saw it as a vehicle for passing knowledge through generations and the Chinese market gardener imagined different figures in its constellations.

The enveloping sky is an aeronautical flight path and a route for migratory birds. The passage of the day, weather and changing seasons play out on its surface. The approach may reference;

- / The sky reflected in the river surface;
- / The expanse of the horizon and rivers edge;
- / Qualities of colour and light associated with changing weather, clouds;

- / The night sky and city skyline;
- / Maritime navigation by the sky;
- / Bird flight and invisible pathways; and
- / Imagining animals and other figures within the constellations of the night sky.

The River Room

The 'River Room' has no walls. It may be as small as a boat shed or expand to towards the Zoo and city. Inside the room, salt and fresh water mix; tides rise and fall. The waters rise south along the street and animals that once made the long ocean journey come down to its edges.

Peeling back real or imagined boundaries allows us to experience Mends Street differently. The river may no longer flood but its influence can extend beyond its banks by considering:

- / The ebb and flow of the tides, currents and seasonal changes in water levels;
- / The effects of flooding or inundation;
- / Drift across the river surface and the flotsam and jetsam that wash ashore;
- / The play of light on water – waves, ripples and reflections;
- / The changing colours of the river and city throughout the day, particularly at sunset;
- / The river floor - sand, mud, debris;
- / The rivers edge - erosion, sedimentation, reclamation; and
- / River fauna - water birds, fish, dolphins, amphibians, crustacea, jelly fish.

Fertile Ground

These days South Perth has a reputation as a green leafy suburb, but this was not always the case. The poor sandy soils encountered by European settlers were not well suited to farming of the peninsula.

Land allocations to military pensioners on the Melville Waters side were difficult to make productive and many were soon abandoned. The more fertile, loamy soils on the Perth Waters side were better suited to the production of fruit and vegetables for the early settlement.



A.3 NARRATIVE RESEARCH



Improved soils and access to artesian water has transformed the peninsular. This was crucial when establishing a zoo that could support animal species coming from many parts of the world. The theme may include;

- / The natural environment as a source of food - honey collection, hunting, fishing and foraging;
- / Farming and market gardens - fruit, vegetables, dairy;
- / The Pleasure Garden as place of sport and recreation - tennis, cricket, horse racing, golf, bowls;
- / The Zoological Garden as an oasis and sanctuary in a new land; and
- / The Suburban Garden as a retreat.

Crossings

In its founding years, South Perth was defined by its isolation from the city. Continuing improvements in private and then public transport drove the development of the peninsular until completion of the Narrows Bridge transformed its relationship to the city.

Transportation will continue to influence the fate of the peninsula and its relationship to greater Perth into the future. Most recently, the opening of Elizabeth Quay has significantly increased the number of visitors arriving by ferry. Addressing the importance of public transport may include references to:

- / Early ferry services to the peninsular;
- / Escaping to the peninsular – a retreat and refuge from the city;
- / Establishment of the zoological gardens and the need for an efficient ferry service;
- / The importance of ferry terminals at Barrack and Mends Street;
- / Expansion of the tram network throughout greater Perth;
- / A day at the beach;
- / Visiting the zoo;
- / The building of the Narrows Bridge and improved bus services;
- / The expanding suburbs; and
- / The daily commute – going to work and home.



Coming Home

Demand for housing was initially fuelled by the gold rush, leading to the building of new roads and opening of the zoo. Without local public services and civic infrastructure, people in the growing number of housing estates would have to travel long distances for their basic needs.

The Mends Street Heritage Precinct remains largely intact as a reminder of what was once the civic heart of South Perth. The following could be included in heritage interpretation:

- / Windsor Hotel - 'A pleasant home and a delightful resort';
- / 'The Dune' and the Gibbs Family;
- / The Mechanics Institute, Council Offices, Post Office and Police Station;
- / Street lighting and trams ; and
- / People - May Gibbs, Ernest Albert Le Souef

Native & Exotic

In the peninsular, the familiar and the strange coexist. They draw you across the water and up the street to the zoo gates. At night, black swans leave the river for the sanctuary of the zoo and Indian palm squirrels once feasted on suburban gardens. Through English eyes, the young May Gibbs found enchantment in the Australian landscape.

- / Celebrating the exotic, the unusual and the strange;
- / Native wildlife and the river;
- / Wilderness and the sanctuary;
- / Threatened species - breeding and release programs;
- / Habitats - Australian Bushland, African Savanna, Asian Rainforest;
- / Migration and yearning for the familiar; and
- / The exotic and native in the suburban garden.

Close Encounters

Curiosity and the human urge to break down barriers to our experience of animal species is the foundation of Perth Zoo's Close Encounters program.

The shared curiosity of animals and humans extends beyond the zoo's fence to the river and foreshore. We may no longer encourage visitors to handle animals but the desire for eye-to-eye contact is one shared by people of all ages.

- / Personalising our relationship to animals;
- / Discovery - revealing the unexpected;
- / Out of place – the element of surprise;
- / Up close - texture, pattern, sound; and
- / Touch - soft, hard, fleshy, round, contoured.

A.3 NARRATIVE RESEARCH



LOCATIONS

The foreshore, streets and parks of the Mends Street precinct embody the memory of its beginnings. The key relationships and connections remain as relevant today they did then. They continue to influence the evolution of the public realm and to shape future uses.

In the same way as the expanse of the river is compressed into its narrow main street, the stories of South Perth are distilled and intensified within the precinct. The challenge is to find ways to give these narratives contemporary relevance.

Heritage interpretation and public art play a role in bringing these stories to the surface. At times they may appear as discrete elements but more significantly they can be choreographed into the fabric of the urban design. The approach focuses on the progression from the river along Mends Street through the heritage precinct and terminating at the zoo.

Look Out

The Look Out area is an experience of both looking out and looking in. From the riverbank it is a meeting point or marker – an element that embraces the scale of the river setting. From the city, river and Kings Park, it is a landmark – a beacon that signals the presence of the precinct from afar.

Maintaining river vistas from the foreshore and Mends Street will be important consideration. The element may be an iconic artwork integrated into shade structures or a lighting feature. It may:

- Celebrate the meeting of sky and water;
- Allude to river navigation and the jetty; and
- Connect the zoo through large-scale abstract animal references.

Piazza and River Room

The boundaries of the River Room are defined by its embankments and shade structures that flank it on the east and west. Catenary feature lighting spanning the room provides a canopy drawing attention towards the sky. The approach may explore:

- / Connections to the city shore and the 'City of Lights'
- / Celebrating the night sky – tracking stars, moon, constellations;

- / Reflecting qualities of water – wave, ripple, shimmer, glistening; and
- / Virtual experiences of the zoo through digital technologies, such as mobile apps.

Tidal Garden

The river washes ashore at the Tidal Garden. The ebb and flow of the river leaves traces and residue, which become an undulating landscape and play space. Flotsam and jetsam nestle rest in the hollows waiting for the next tide. Play elements may be based on:

- / River creatures, such as jellyfish that glow at night;
- / Reeds and birds nests;
- / The zoo coming down to the shore;
- / Remnants of nautical equipment; and
- / Fishing, crabbing, prawning

Mends Street North

All themes converge in Mends Street North. The historic transport axis is the common element linking the river, heritage and the zoo. The 'jetty' extends up the street as a physical expression of their interconnection and the zoo spills out into the streets. The themes may be expressed through:

- / The jetty interpreted into streetscape as ground plane and informal seating elements;
- / Catenary lighting elements that reference the overhead lines that powered trams;
- / A central suspended lighting feature marking a midpoint between river and zoo. This may be develop as an artwork integrated into the lighting that draws inspiration from imagined animals or constellations in the night sky;
- / Unexpected 'moments' occurring at intervals along both sides of the street. They may be artworks or interpretive elements that extend the zoo's 'Close Encounter' program into the public realm or play with ideas of animals being released from captivity.
- / Discovered or revealed animals in laneways or small incidental spaces.

Mends Street South

Transport and heritage themes combine in the civic heart of the precinct. The material expression is evident in the configuration of buildings and the proposed reinstatement of the tram carriage. Interpretive elements can draw out the stories of these places. The heritage precinct is also a place to celebrate people through:

Transport references that shift from above to the ground plane and take on a linear expression;
Lighting projections to heritage buildings; and
Reference to significant people such as May Gibbs or Ernest Albert Le Souef.

Windsor Park & Zoo

The Zoo reasserts its historic connection and dependence on Mends Street and the ferry service. Awareness of the zoo can be increased by:

Reorienting the zoo entrance towards Windsor Park;
Building on the existing zoo theme in Windsor Park;
Interpreting the historic relationship between the Windsor Hotel and the zoo; and
Reinforcing the zoo's presence at the Mill Point Road/ Mends Street intersection.

