



clovelly road precinct

STREETSCAPE MASTER PLAN

table of contents

1.0

Introduction and Purpose

1.1	Executive Summary	4
1.2	The Local Area	6
1.3	Objectives	6

2.0

Community Engagement

2.1	Process	9
2.2	Consultation Website	9
2.3	Community Workshops	10

3.0

Site Analysis

3.1	Site Analysis	12
3.2	Precinct Analysis	12
3.3	Opportunity Mapping	16

4.0

The Vision

4.1	Design Vision	22
Design Principles		
4.2	Overview	24
Clovelly Road Master Plan		
4.3	The Site	26
4.4	Response	26
Green Framework		
4.5	Existing Tree Planting	28
4.6	Green Vision	28
Streetscape Activation		
4.7	Activation	34
4.8	Activation Vision	34
Connectivity		
4.8	Connectivity	40
4.9	Connectivity Vision	40

5.0

The Precincts

5.1	Site Precincts	47
Guilderthorpe & Market Street		
5.1.1	Existing Conditions	48
5.1.2	Overall Concept	50
Frenchmans Road		
5.2.1	Existing Conditions	54
5.2.2	Overall Concept	56
Carrington Road		
5.3.1	Existing Conditions	60
5.3.2	Overall Concept	62
Fern Street		
5.4.1	Existing Conditions	66
5.4.2	Overall Concept	68
Arden Street		
5.5.1	Existing Conditions	72
5.5.2	Overall Concept	74
Burnie Street		
5.6.1	Existing Conditions	78
5.6.2	Overall Concept	80
Clovelly Beach		
5.7.1	Existing Conditions	84
5.7.2	Overall Concept	86

6.0

Conclusion

6.1	Conclusion	90
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introduction & purpose 1.0

Clovelly Road has been a significant link in the Eastern Suburbs and an integral part of Sydney's urban fabric. A corridor with potential to increase its connectivity to the community, through implementation of green infrastructure, strategic transport and local activation.

1.1 EXECUTIVE SUMMARY

Group GSA has been engaged by Randwick City Council to prepare a master plan for the revitalisation and upgrade of Clovelly Road.

Randwick City Council identified a need to develop a series of realistic actions and strategies which encompass the themes of the Randwick City Plan - a 20 year guide for future planning of the city.

- Places for People
- A Prospering City
- Moving Around

This report supplements the Randwick City Plan and explains the rationale behind design principles and drivers culminating in a series of recommendations for Clovelly Road.

The master plan for Clovelly Road will be a key driver for a successful and coherent public domain that is both practical and captures the aspirations of the community.



the vision for the clovelly road master plan encompasses the randwick city strategic plan, a plan that reflects the community's vision and long term goal for the health and wellbeing of its people, our economy and the natural and built environment



clovelly road

1.2 THE LOCAL AREA

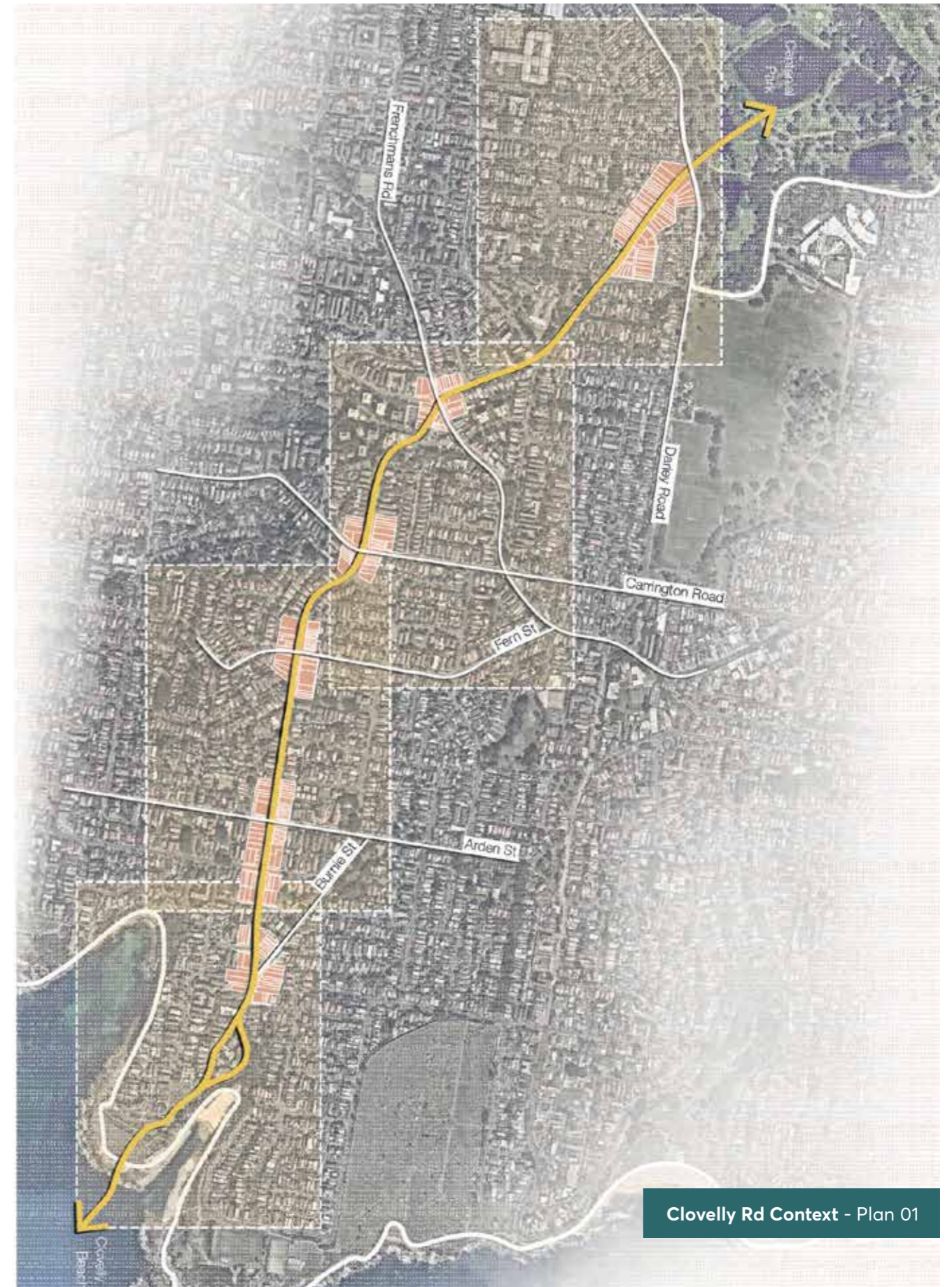
Clovelly Road is located in the Eastern Suburbs of the Sydney metropolitan area and part of Randwick City. The north is bounded by Centennial Park, its eastern boundary is the Pacific Ocean. The coastal environment strongly influences the area's character and functions with uses ranging from tourist destinations, beachside residences and open space.

Randwick City has extensive parkland and open space areas including Centennial Park, Heffron Park, Kamay Botany National Park and the newly declared Malabar Headland National Park, that provide opportunities for recreation, relaxation and community interaction.

1.3 OBJECTIVES

A number of objectives and design principles were identified for Clovelly Road during the consultation process and site analysis of the project. These include:

- People focused
- Enhanced greenery
- Make it safe and pedestrian friendly
- Make it accessible and equitable for all
- Make it attractive and welcoming to residents and visitors a-like
- Make it easy to find your way around
- Appeal to all age groups
- Enable the public domain to support a diverse thriving economy



the vision for the clovelly road master plan encompasses the randwick city strategic plan, a plan that reflects the community's vision and long term goal for the health and wellbeing of our people, our economy and the natural and built environment

community engagement

2.0

2.1 Process

A key component of the Clovelly Road master plan is consultation with key stakeholders and the local community.

A multi-faceted approach was considered the best way to capture what aspects of Clovelly Road the community currently enjoy and would like to see retained, and areas of concern and how they would like to see these changed in the future.

A meeting was held with the Council's consultation and project team as a background briefing session and the following approach to community engagement was agreed upon as follows:

- Consultation Website
- Community Workshop
- Interactive Mapping and Ideas Board

In addition, the consultant team reviewed previous consultation material that was undertaken by Randwick Council including past community events and demonstrations, to capture community aspirations and needs. The review included the following key documents and events;

- Door knock of local businesses
- Sydney's first 'Better Block' demonstration on the 27th October 2013
- 'Park to Pacific' events 2014 and 2015

Full results and analysis from the community consultation can be found within the Discussion Paper



2.2 Consultation Website

A dedicated 'Your Say Randwick' webpage was created to engage residents in the consultation process. Using 'Your Say Randwick' residents could:

- Register for the workshop for further participation
- Drop a pin on the interactive map to identify a particular issue or idea
- Share an idea on the ideas board

An interactive map on the webpage provided participants with the opportunity to identify opportunities for improvement along Clovelly Road in an engaging way. This not only allowed data and information to be collected for the project team, but also allowed the community members to see other peoples ideas and contributions. These ideas may of been something that others hadn't thought of before, or potentially opposing ideas, but engaged the community and prompted conversation.

2.3 Community Workshops

Two workshops were conducted at Clovelly Surf Club for the local community, residents and business owners.

The workshops were run by members of Randwick City Council and GroupGSA. On each of the nights the community were split into five (5) groups that would rotate every 15 minutes across five (5) tables. Each table had a distinct activity and/or topic for discussion with the community. The tables were facilitated by two members from either Council or GroupGSA. The five (5) activities / themes and summary are as follows:

Table 1 - Likes / Dislikes

Participants were provided with six sheets of two different coloured (three green and three red large sticky note paper. On one colour, participants were asked to indicate what they currently like most about Clovelly Road. On the other coloured sheets, participants were asked to describe what areas or issues they didn't like about Clovelly Road. These were then stuck onto a large (A1 size) aerial photograph of Clovelly Road. This was then facilitated by discussion amongst the groups.

Table 2 - Getting Around

Large (A1 size) aerial photograph with reduced opacity of Clovelly Road (extent of works split over 2 sheets) and markers were set up on a table. The community used various coloured markers to show common routes they used:

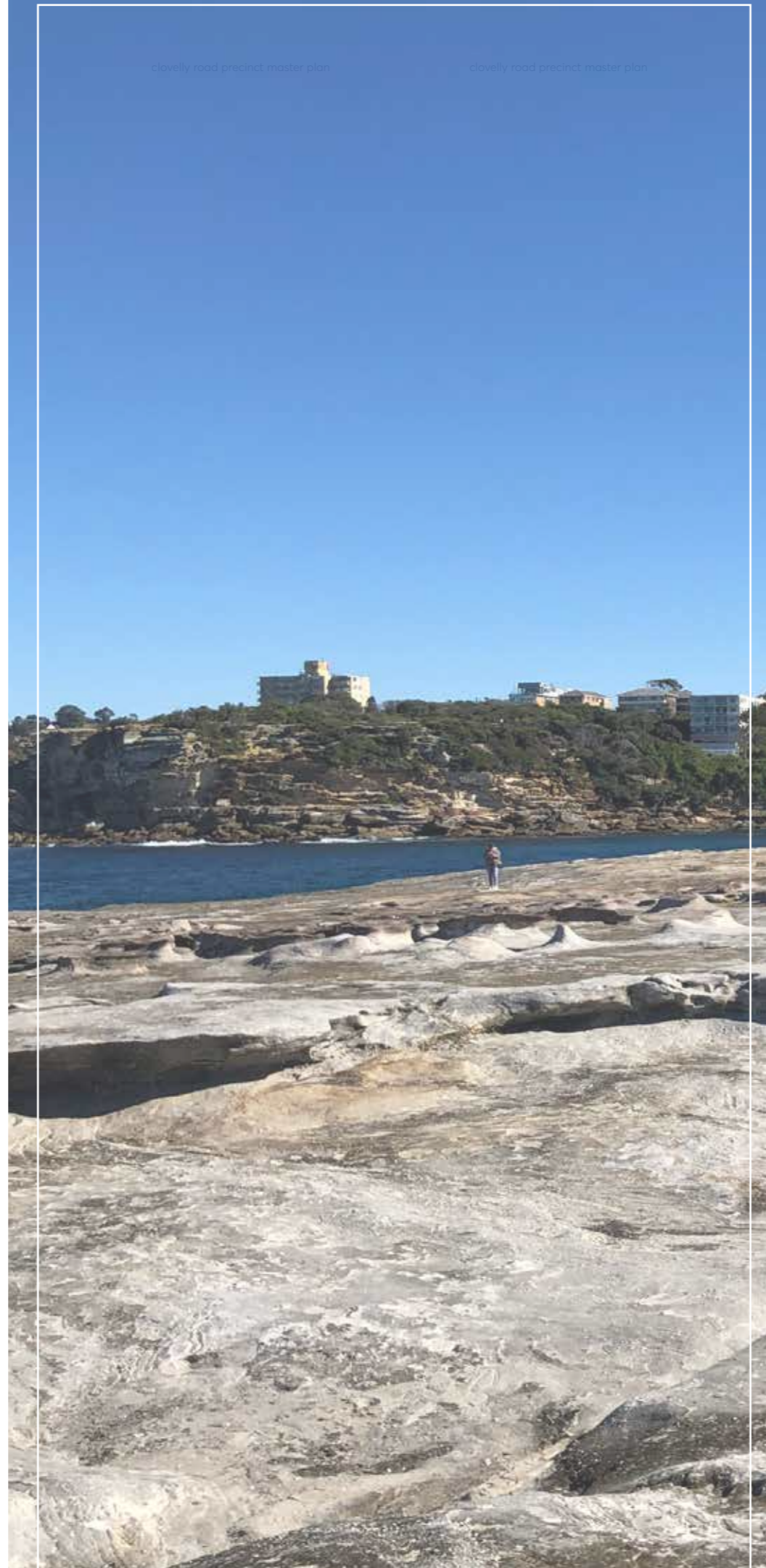
- Blue - Bus
- Pink - Car
- Green - Cycle
- Yellow - Foot

During discussions areas were marked up in red of routes that people didn't use because it felt unsafe to walk or ride, too congested with cars and or buses. This allowed the project team to be made aware of issues that the community experience on a day to day basis using Clovelly Road.

Table 3 - Places

One large (A1 size) aerial photograph was set up on a table with coloured dots. Three coloured dots represented frequency of visits to an area.

- Green Dots - Visit Often
- Orange Dots - Visit Sometimes
- Red Dots - Visit Infrequently



Upon establishing areas that people visit frequently the discussion was then targeted to why people go there and the experience they have or are people not going to certain areas because of a negative experience.

Common themes of discussion from this table revolved around "I visit areas frequently by car because it is too unsafe to walk, but if I had the option and I felt safe I would"

Table 4 - Greenery

Four large maps (A1 size) of Clovelly Road divided into areas were placed on the table and the community was asked to identify areas they would like to see more trees and or landscape opportunities. The areas were highlighted on the plans and discussion were facilitated as to why these areas were identified.

Key themes that emerged from the table were the desire for more trees when walking along Clovelly Road. In addition, the community highlighted certain precincts along the road, creating village identities by using landscape and greenery as gateways.

Table 5 - Streetscape + Upgrades

A table was set up, with 30-40 A4 cards with precedents from around Sydney, Australia and internationally of certain streetscape elements. These main categories showed images consisting of:

- Trees, Planting and Beautification
- Cycleways, Shared Paths, Pedestrian Crossings
- Pavements and Furniture
- Traffic and Parking Opportunities
- Outdoor Dining and Alfresco Opportunities

Each image was shown to the group to facilitate discussion about the idea / theme people liked and would want to see implemented along Clovelly Road or elements they wouldn't like to see. Both aspirational and practical images were shown to the group both of good and poor design outcomes.

Community Engagement Outcomes

Refer to section 4.0 for community outcomes and design principles to be carried into the master plan for Clovelly Road.

site analysis

3.0

3.1 Site Analysis

The project scope is defined as per the brief.

- Clovelly Road from Centennial Park to Clovelly Beach
- The proposed master plan is also to consider surrounding connections and adjacent streets

GroupGSA undertook extensive site analysis over a number of days during February 2019 and following the community consultation event in March 2019.

The initial site analysis encompassed a variety of topics including:

- Land Use
- Connections
- Trees and landscaping
- Parking and traffic
- Urban streetscape
- Material palette
- Visual amenity
- Furniture, and;
- Safety

3.2 Precinct Analysis

The site analysis also examined a number of distinct precincts and intersections along the road - refer section 5.0: These included;

- Gilderthorpe Avenue and Market Street Intersection
- Frenchmans Road Intersection
- Carrington Road Intersection
- Fern Street Intersection
- Arden and Beach St Precinct
- Clovelly Road and Burnie Street Junction
- Clovelly Beach and Carpark

The precincts invariably coincided with key intersections at various intervals along the length of Clovelly Road.

These precincts and intersections will form the basis for determining design proposals and treatments for various parts of the master plan.

The precincts along with the site analysis are captured in Section 5.0.



the existing clovelly road is an active and popular location, facilitating as both a key access route and also small destination precincts for the local community





3.3 Precinct Opportunity Mapping

Post the design teams site inspections and visual analysis, opportunity mapping was undertaken for the entirety of Clovelly Road.

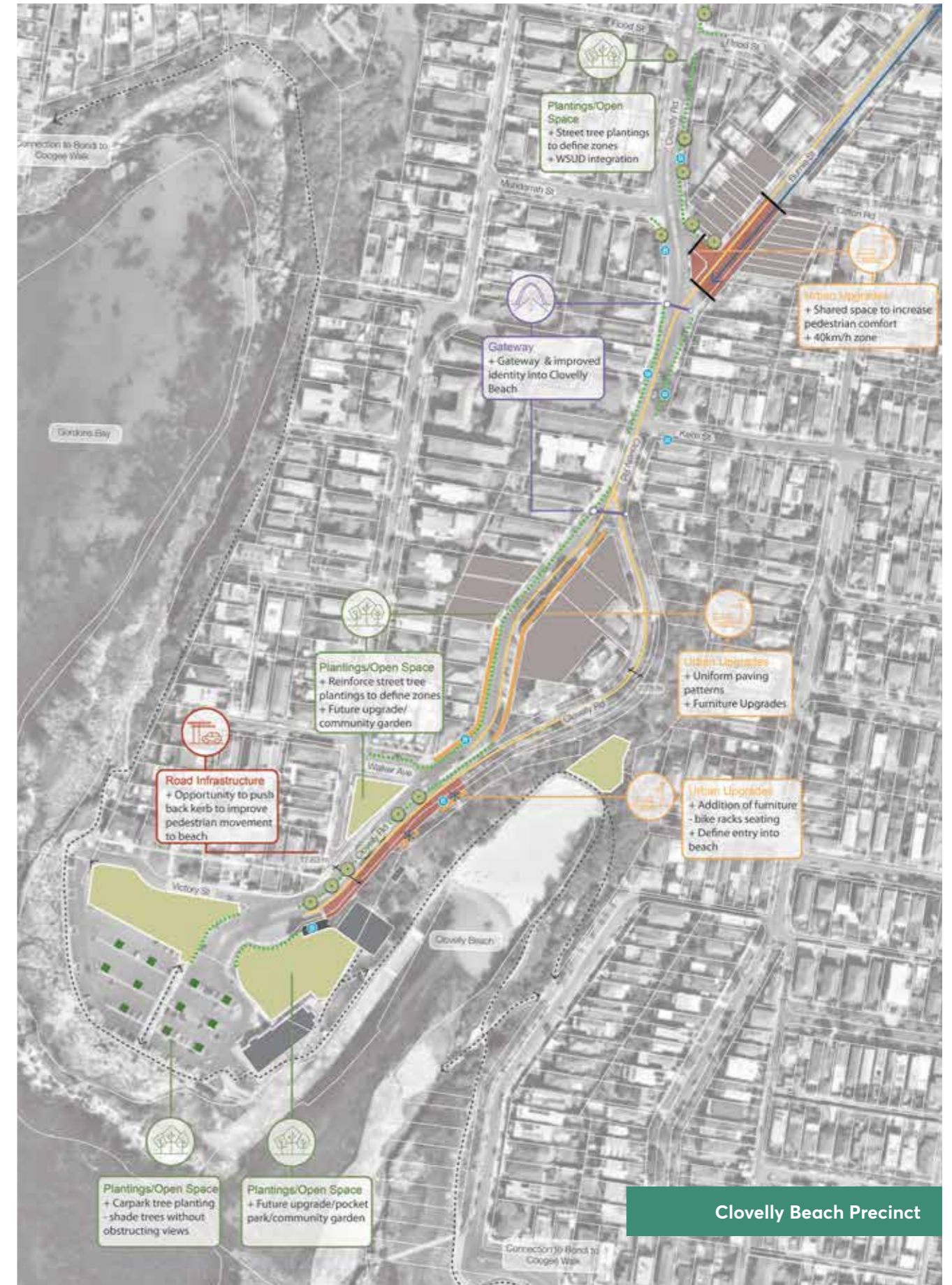
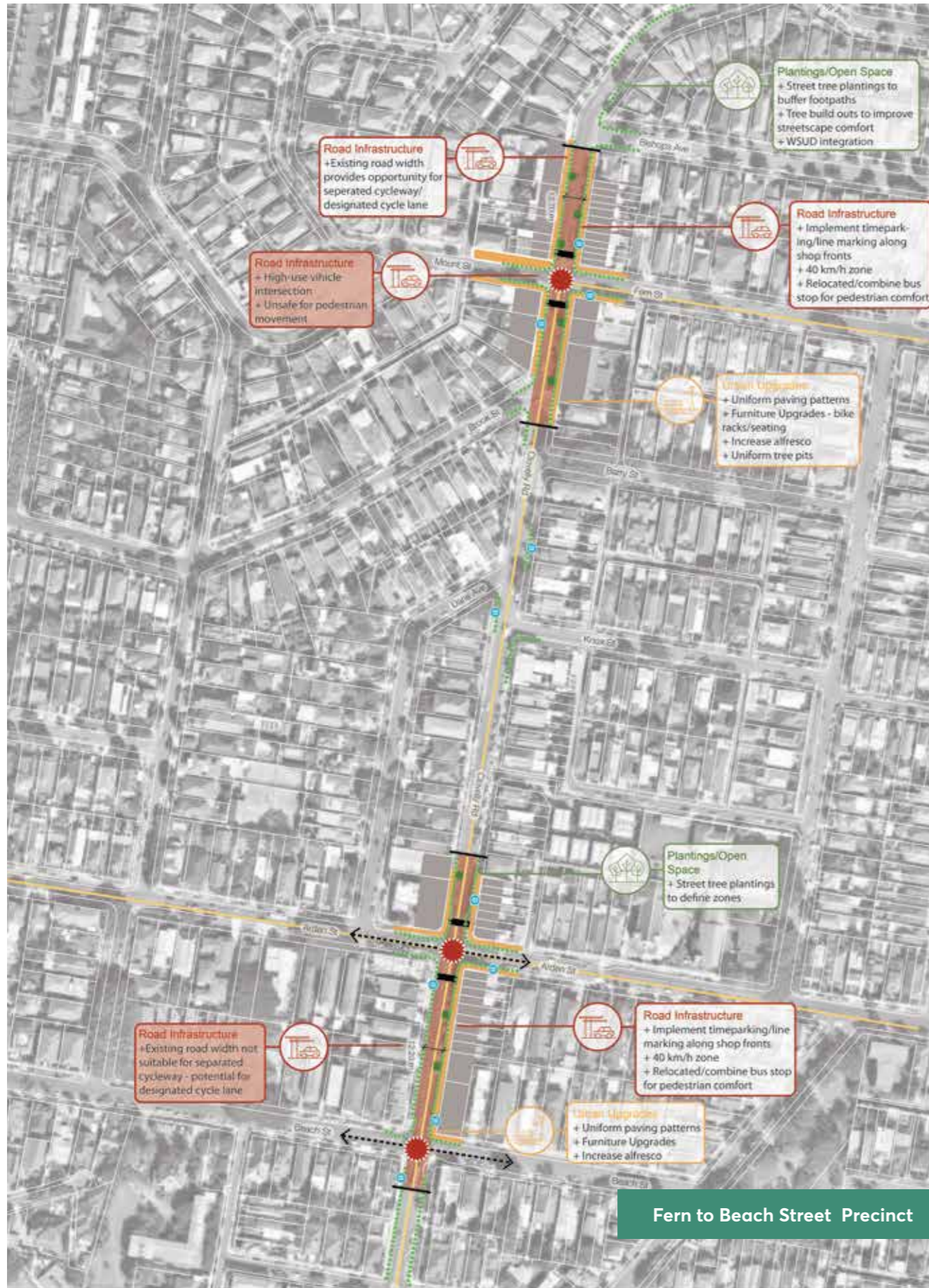
This mapping assisted the team in determining areas of opportunity for enhancement and design development to provide greater amenity for Clovelly Road and the wider community.

The mapping was broken into a number of categories, which reflected the core objectives of the project team:

- Planting / Open Space
- Urban Upgrades
- Gateways
- Road Infrastructure
- Connectivity

the clovelly road master plan considers the environment, urban framework and site connections





the vision

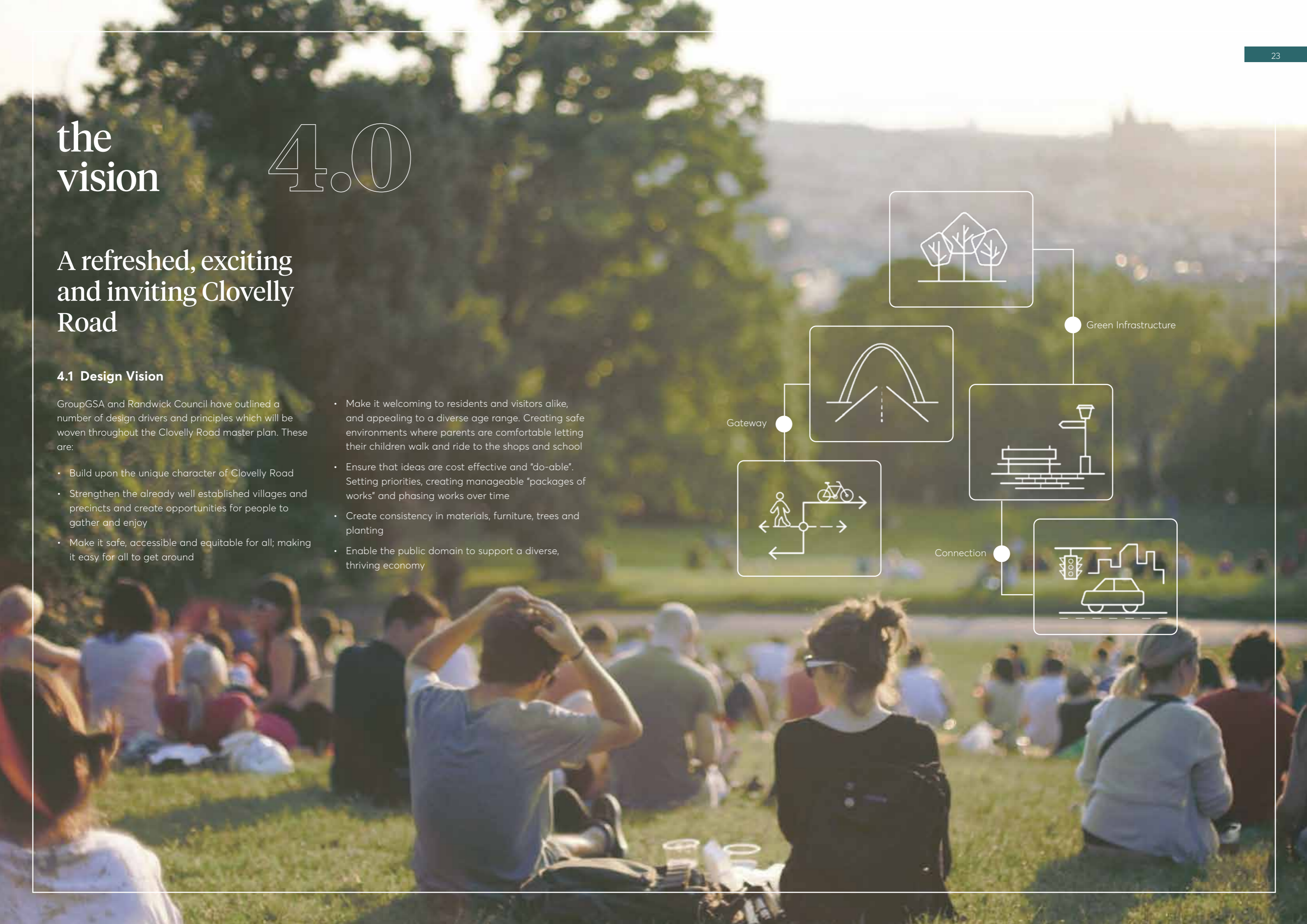
4.0

A refreshed, exciting and inviting Clovelly Road

4.1 Design Vision

GroupGSA and Randwick Council have outlined a number of design drivers and principles which will be woven throughout the Clovelly Road master plan. These are:

- Build upon the unique character of Clovelly Road
- Strengthen the already well established villages and precincts and create opportunities for people to gather and enjoy
- Make it safe, accessible and equitable for all; making it easy for all to get around
- Make it welcoming to residents and visitors alike, and appealing to a diverse age range. Creating safe environments where parents are comfortable letting their children walk and ride to the shops and school
- Ensure that ideas are cost effective and "do-able". Setting priorities, creating manageable "packages of works" and phasing works over time
- Create consistency in materials, furniture, trees and planting
- Enable the public domain to support a diverse, thriving economy



design principles

4.2 Overview

Design Principles	Supporting Strategies
People Focused	<ul style="list-style-type: none"> - Create safe streets for all - Connectivity between precincts - Minimise residents using vehicles to access the shops or move around the area - Encourage walking and cycling
Enhance Greenery	<ul style="list-style-type: none"> - Increase greenery - trees, plants - Use trees and planting as gateway opportunities - Rain gardens and WSUD opportunities for improved stormwater management - Increase shade to promote walking and cycling along Clovelly Road
Make it safe & pedestrian friendly	<ul style="list-style-type: none"> - Examine opportunities to widen pedestrian verges / reduce road widths - Ensure sightlines are maintained between pedestrians and vehicles - Ensure adequate lighting levels at night - Improve safety for vehicles / pedestrians at multiple intersections - Review pedestrian crossings / examine desire lines - Encourage activation - the more people around the safer you feel - Consolidation of bus stops to assist traffic flow - In-lane bus stops to give space back to pedestrians



Design Principles	Supporting Strategies
Make it accessible + equitable for all	<ul style="list-style-type: none"> - Review disabled parking locations and quantity - Examine levels and pedestrian verge widths / pram ramp locations - Examine locations of public toilets - Maintain convenient parking, undertake a parking review with regards to timing, layout, line marking - Investigate cycle storage at convenient locations
Make it attractive and welcoming to residents and visitors alike	<ul style="list-style-type: none"> - Create attractive arrival points at precinct gateways - Develop a welcoming vista down Clovelly Road "greening" with trees and planting - Strengthen the link from Centennial Park to Clovelly Beach - Plan for the removal of overhead powerlines
Make it easy to find your way around	<ul style="list-style-type: none"> - Consider an overall wayfinding strategy which is consistent and controlled - Develop gateway features at entry points to precincts - Develop a wayfinding strategy including signage showing distances to key places - Centennial Park, Coogee, Bondi Junction
Appeal to all age groups	<ul style="list-style-type: none"> - Give children a place of interest / stimulation - Promote walking and cycling safely to and from school by creating 'safe routes' that children are encouraged to navigate independently - Free WiFi
Supporting the existing yet diverse range of retailers along Clovelly Road	<ul style="list-style-type: none"> - Outdoor dining - Community fundraising (stalls) - Art installations / Events - Community gardens

clovelly road master plan

4.3 THE SITE

Stretching from Centennial Park to Clovelly Beach, Clovelly Road is a key transport corridor made up of residents, local businesses and visitors to the area. Defined by a unique experience of connecting one of Sydney's largest open green spaces to the pacific ocean.

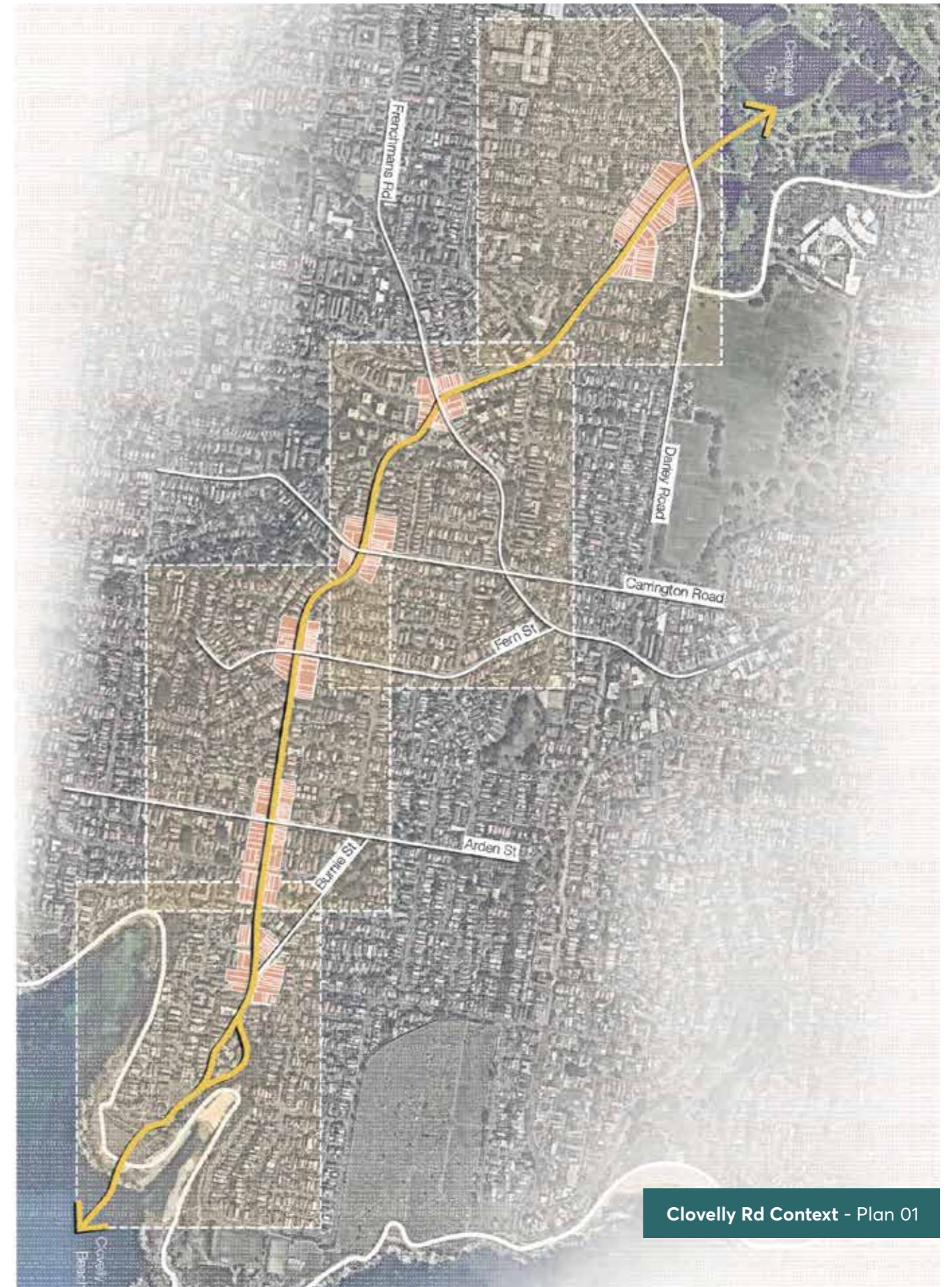
Clovelly Road further breaks down into a number of village precincts which all have their own identity and provide a great range of opportunities to beautify and enhance the area for the local and wider community.

4.4 RESPONSE

Randwick Council and GroupGSA have prepared the master plan and streetscape concepts for Clovelly Road and its precincts to guide its future vision and improve the livability and vitality of this much loved-area.

The master plan response has been broken up into three (3) main categories which underpin the design ideas and future outcomes for the entire Clovelly Road.

- Green Framework
- Streetscape Activation
- Connectivity



Clovelly Rd Context - Plan 01

green framework

4.5 EXISTING TREE PLANTING

Trees can contribute directly to environmental, social and economic benefits along with creating a welcoming environment for residents and visitors alike.

Whilst there is existing tree planting occurring along Clovelly Road and adjacent side streets, the coverage and species is largely inconsistent and limited with spacing too lengthy to have any visual impact or provide environmental amenity. The northern end of Clovelly Road from Avoca Street to Frenchman's Road has the most successful arrangement of street trees with a dense coverage of Water Gums towards Centennial Park and a mix of Tuckeroo's and Banksia species towards Frenchmans Road. As Clovelly Road winds down towards the beach the street tree planting consists of an irregular placement of Banksia species and Livistonia palm species. Although tolerant of coastal conditions the palm species does not provide significant shade.

4.6 GREEN VISION

Trees are of particular value within the urban setting, not only aesthetically, but negating the effects of heat. The planting strategy provides a green framework for Clovelly Road, responding to the scale of the street with the benefit of highlighting key locations and precincts.

Choosing different tree and plant species to different precincts helps with legibility of the framework with some precincts becoming known for its planting. Colour, shape, hardiness and seasonal variation have been considered when selecting species. The intention is to create a green overlay which provides both shade and visual amenity along Clovelly Road while reinforcing precinct identity.

30% TREE COVER

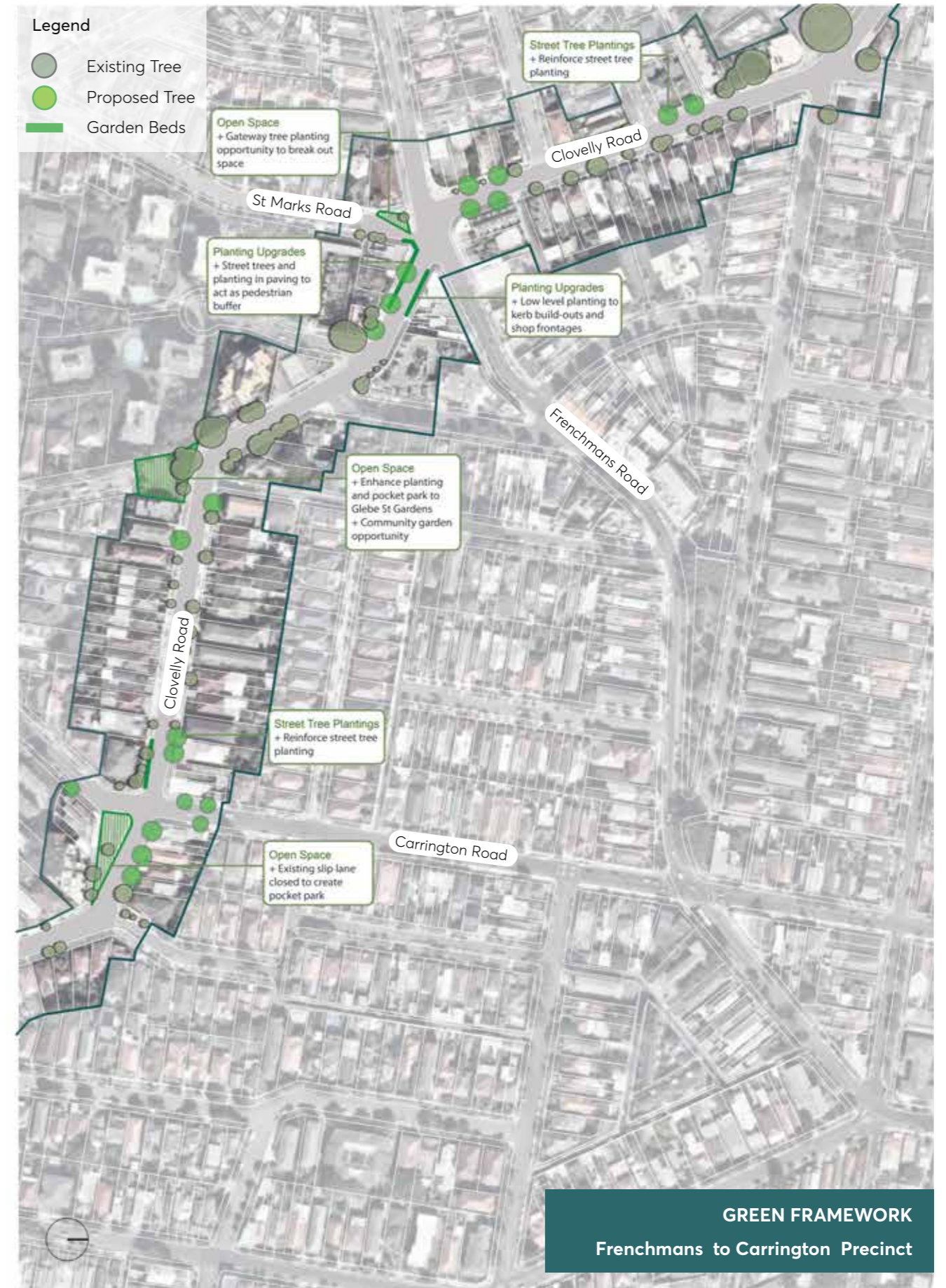
WATER SENSITIVE URBAN DESIGN

100% TREE RETENTION



PLANTING PALETTE

Botanical Name	Common Name
Banksia serrata	Coastal Banksia
Calodendron capense	Cape Chestnut
Corymbia maculata	Spotted Gum
Cupaniopsis anacardioides	Tuckeroo
Jacaranda mimosifolia	Jacaranda
Lophostemon confertus	Brush Box
Tristaniopsis laurina	Water Gum
Waterhousia floribunda	Weeping Lily Pily





streetscape activation

4.7 ACTIVATION

The public domain forms a backdrop to people's lives. Good public domain encourages social engagement and activation. It encourages social inclusion and strengthens community resilience. It is important that public spaces stimulate activity, coming alive with people for formally programmed events and informal, incidental gatherings catering for a broad age range. Some spaces along Clovelly Road have the potential to respond to this need, providing flexible space for public engagement while others are precinct based.

4.8 ACTIVATION VISION

With capacity in the road corridor there is opportunity to interrogate the kerb locations to provide a better balance between the public domain and the road corridor. Providing the added space will allow for improved connectivity and movement for pedestrians while also allowing the local restaurants and cafes to provide outdoor dining opportunities.

With the improvements to the public domain and the reduced road corridor, this will achieve reduced traffic speeds and provide safer and shorter crossing distances for pedestrians

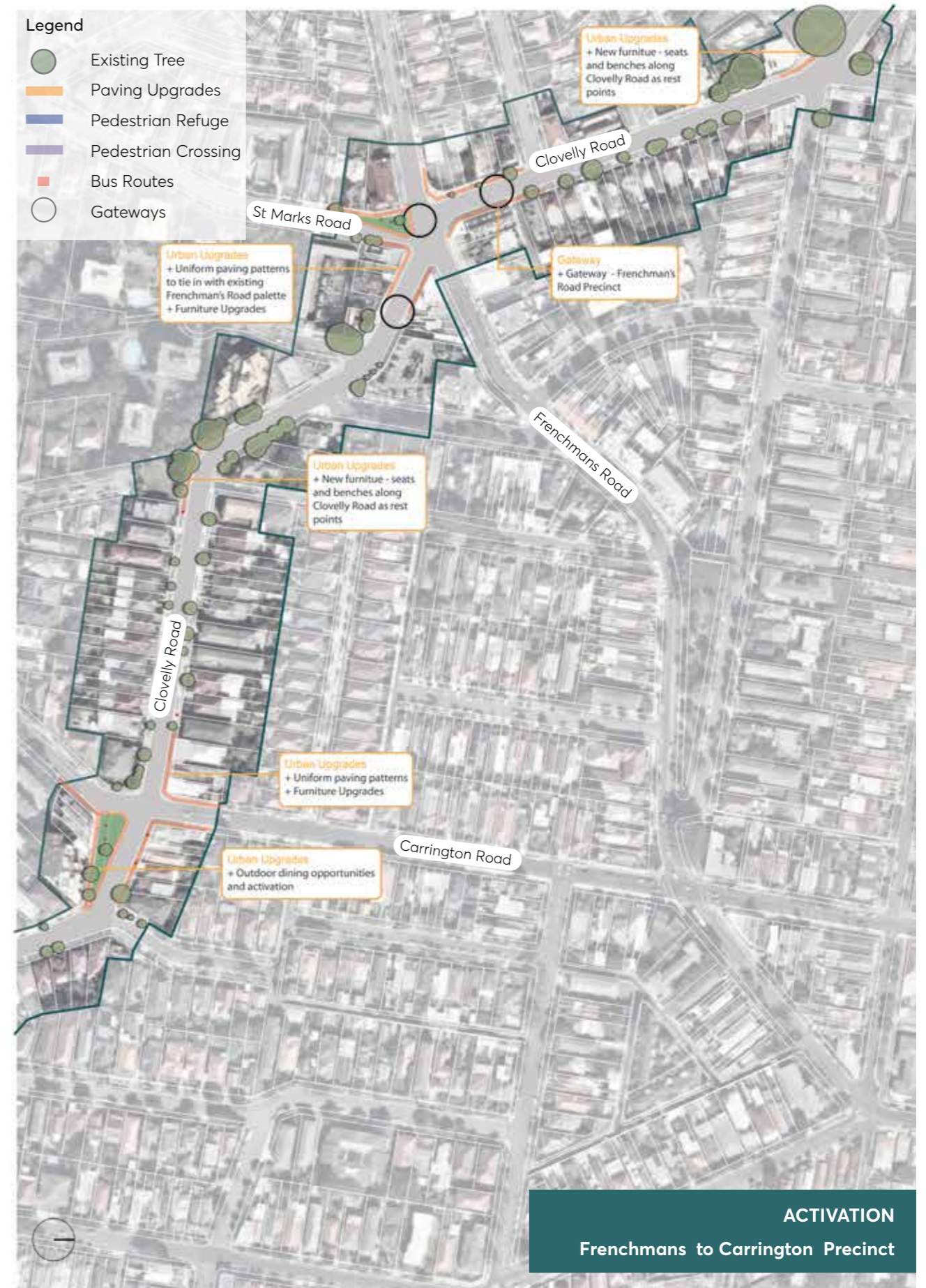
Long term visions for an improved public domain and streetscape will be the undergrounding of power lines along Clovelly Road. This will improve sightlines and views for residents and visitors, while also allowing increased tree cover and shade.

**ACTIVE
PRECINCTS**

**PAVING &
FURNITURE
UPGRADES**

**PLAY
OPPORTUNITIES**







connectivity

4.8 CONNECTIVITY

Clovelly Road and the wider area is dominated by vehicle needs. The aim for Clovelly Road is to adapt and enhance the road network to provide improved pedestrian amenity without diminishing vehicles access and movements, deliveries and parking. In all it aims to shift the balance towards better streets for people.

Connectivity refers to the directness of links and the density of connections in a transport network. A highly permeable network has many short links. As connectivity increases, travel distances decrease which encourages and improves movement for all.

4.9 CONNECTIVITY VISION

Design solutions are cognisant of the need to maintain adequate levels of parking on Clovelly Road and within close proximity for both the local residents and shop owners.

The aim through the master plan is to provide safe path networks encouraging a choice of walking along Clovelly Road. This will also include raised or at grade crossings within all precincts to promote slower vehicle movements and the potential of closing or modifying sections of road that have been identified as unsafe.

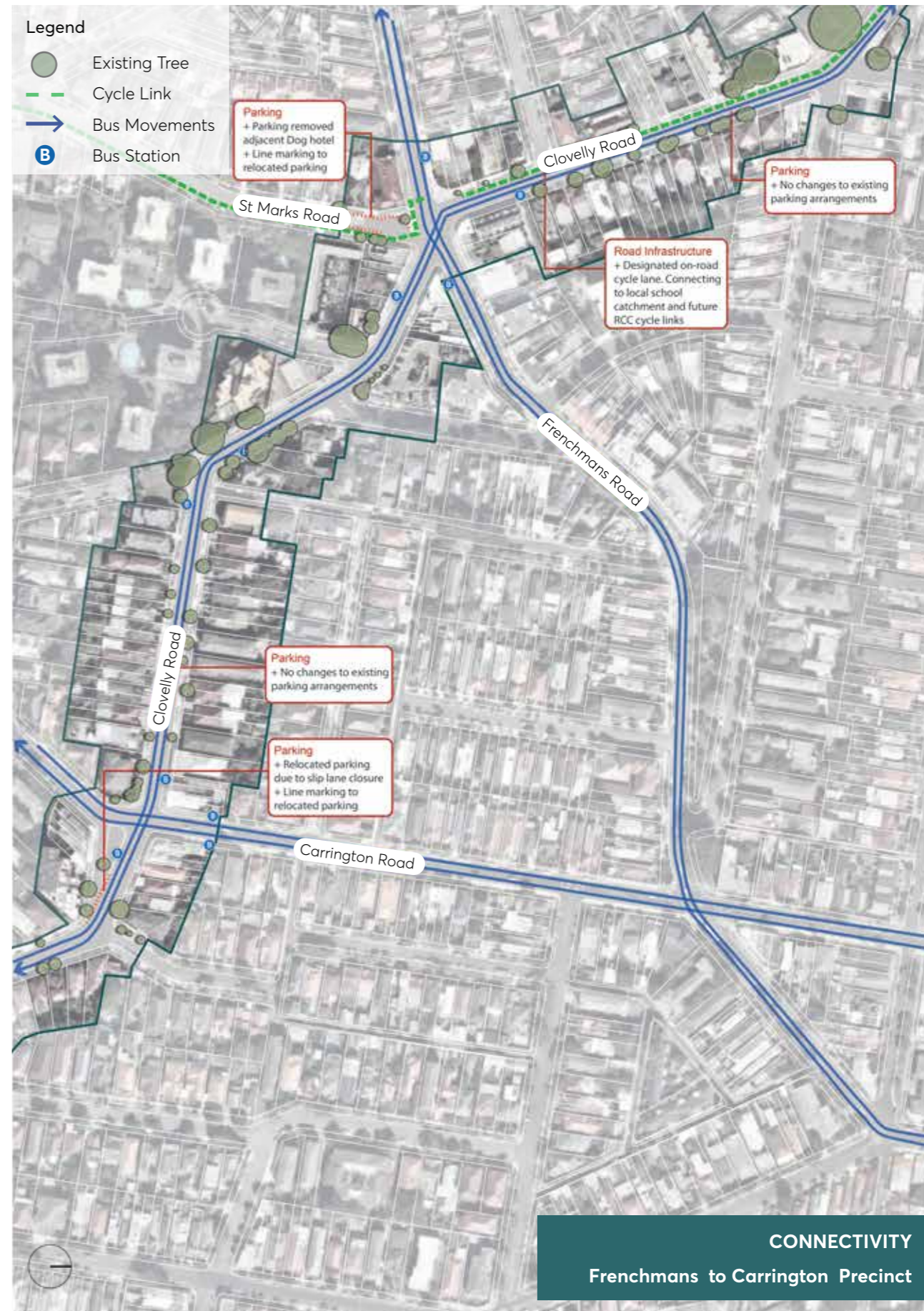
New way-finding signage is recommended along Clovelly Road that connects people to surrounding suburbs and attractions.

RATIONALISED PARKING

IMPROVED CYCLE AWARENESS & CONNECTIONS

ENHANCED SAFETY FOR VEHICLES & PEDESTRIANS







the precincts

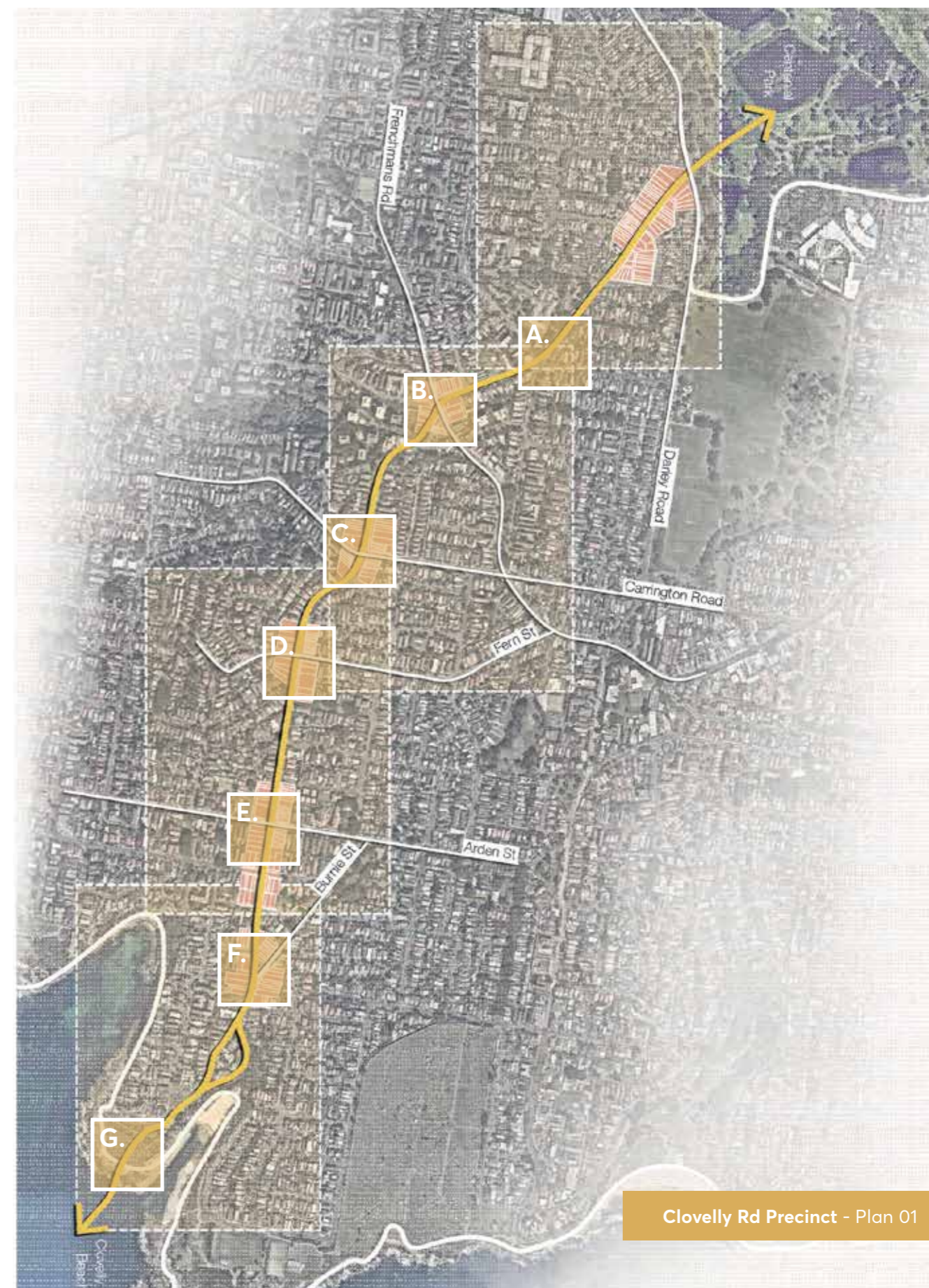
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5.1 Site Precincts

The precincts and intersections are generally based around areas of high use and activity.

Within this section of the master plan each of the six (6) precincts and intersections are further analysed followed by detailed concept plans and imagery for consideration.

- A. Gilderthorpe Avenue & Market Street Intersection
- B. Frenchmans Rd Intersection
- C. Carrington Road Intersection
- D. Fern Street Intersection
- E. Arden Street and Beach Street Precinct
- F. Clovelly Road and Burnie Street Junction
- G. Clovelly Beach and carpark



Clovelly Rd Precinct - Plan 01

gilderthorpe & market street - analysis

5.1.1 EXISTING CONDITIONS

- Congested intersection
- High traffic volumes during peak school hours
- Under utilised plaza space adjacent Literary Institute
- Mix match of paving between Saint Mark Mackillop Place and Clovelly Road
- Mix of commercial and retail
- Site line issues between Gilderthorpe and Market Street
- On-street parking



Legend

- B Bus Stop
- Street Furniture
- Pedestrian Crossing
- Activated Shop Front
- Bus Routes
- Existing Tree
- Vegetation
- Car Parking



gilderthorpe & market street - concept

5.1.2 OVERALL CONCEPT

Redesign of Clovelly Road, Gilderthorpe Avenue and Market Street intersection by implementing a 'peanut' roundabout to assist with easing traffic flows and the existing dangerous intersection. This includes an upgrade to Saint Mary Mackillop Place.

- 01 New 'peanut roundabout along Clovelly Road to assist with all traffic movements and slow down traffic
- 02 Paving upgrades along Clovelly Road outside local shop fronts
- 03 Upgrade to Saint Mary Mackillop Place with new low level planting, paving and furniture upgrades. Open plaza space to allow for markets / outdoor cinema or similar
- 04 Improved pedestrian movements with safer crossing points
- 05 Low level planting within kerb buildouts to enhance streetscape



- Garden bed along street edge
- No tree removal



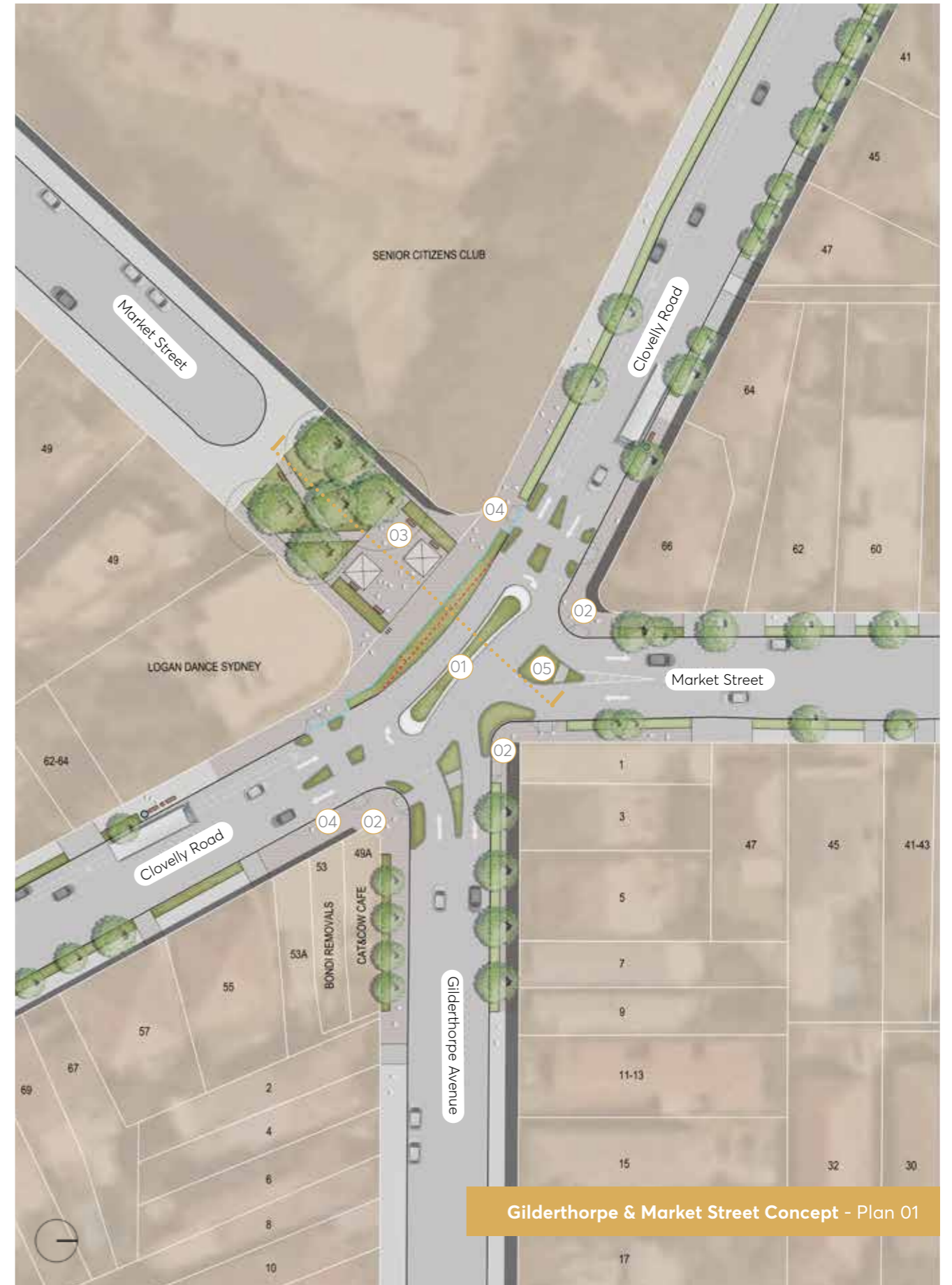
- Formal seating
- Bike racks
- Paving upgrades to Clovelly Road and Saint Mary Mackillop Place



- On-road cycle lane
- Minor parking loss
- Improved pedestrian safety
- Improved vehicle safety

Legend

- Existing tree to be retained
- Proposed tree planting
- Proposed low level planting
- New street furniture
- Paving upgrade
- Existing bus stop



Gilderthorpe & Market Street Concept - Plan 01

Upgrade to Saint Mark Mackillop Place with paving and new furniture

Kerb buildout to narrow road corridor and reduce speed. Increase in planting

Raised 'peanut' roundabout to Clovelly Road



Clovelly Road - Section 01

Improved pedestrian connectivity and safety with new pram ramps and islands

Upgraded pocket park - flexibility for outdoor cinema and market days

Raised 'peanut' roundabout to Clovelly Road



Market Street looking towards Saint Mary Mackillop Place - Perspective 01

frenchmans road - analysis

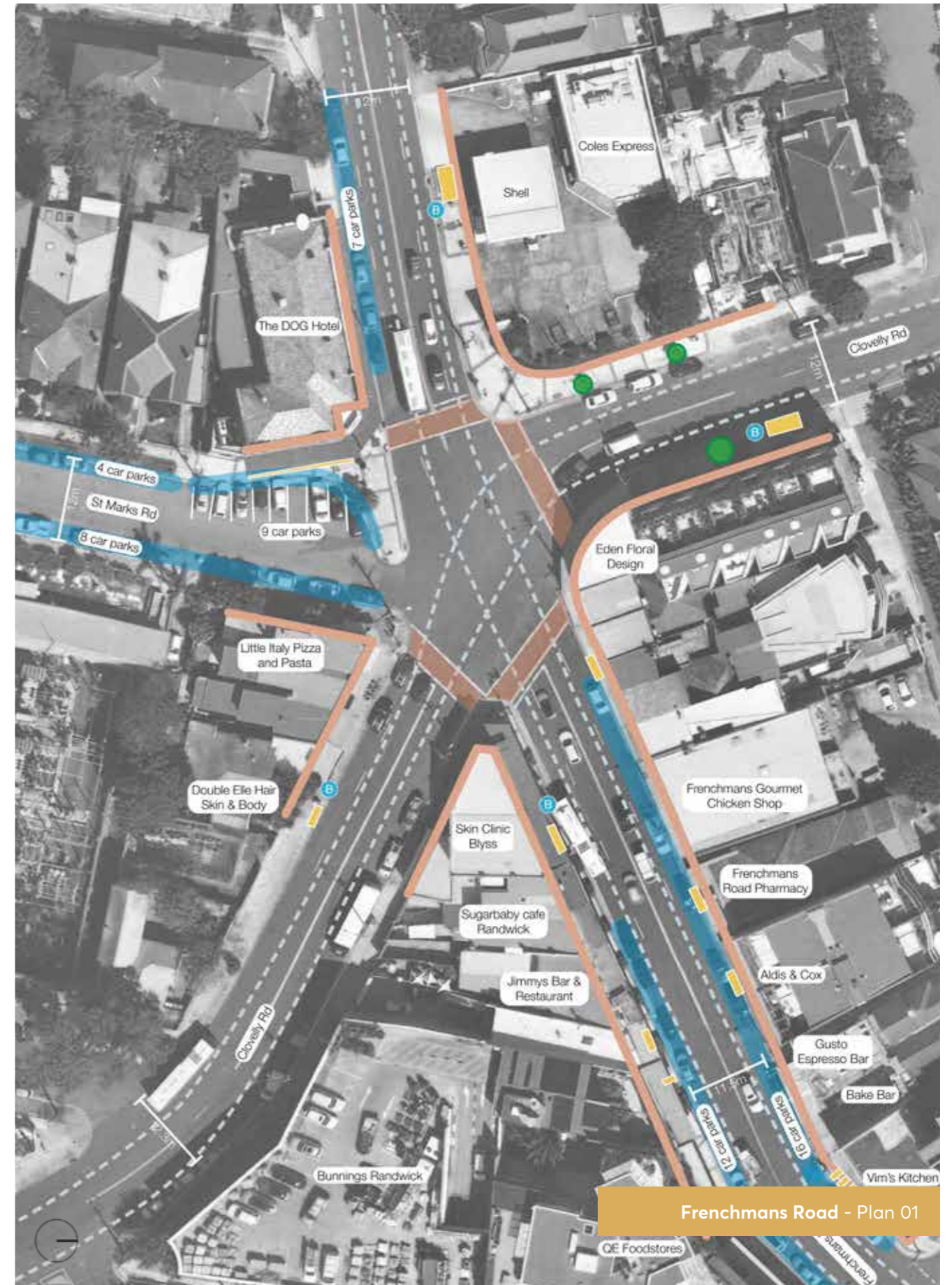
5.2.1 EXISTING CONDITIONS

- Limited tree coverage to Clovelly Road
- No low level understorey planting
- Heavy traffic flows along Frenchmans Road
- Mix match of paving between Clovelly and Frenchmans Road
- Mix of commercial and retail shopfronts
- Night life with Dog Hotel (Duke of Gloucester)
- On-street parking
- Public transport hub - 4 x bus stops



Legend

- B Bus Stop
- Street Furniture
- Pedestrian Crossing
- Activated Shop Front
- Bus Routes
- Existing Tree
- Vegetation
- Car Parking



Frenchmans Road - Plan 01

frenchmans road - concept

5.2.2 OVERALL CONCEPT

Maintain current road configuration along Clovelly Road and Frenchman's Road intersection. Look to replace sections of parking within St Mark's Road to create increased public open space including shade and seating and strong visual gateway.

- 01 New street trees and planting within paving to create buffer for pedestrians
- 02 Paving upgrades along lower end of Clovelly Road to tie in with Frenchmans Road paving treatment
- 03 New plaza / pocket park for increased public space, seating and informal outdoor dining
- 04 Relocated loading zone
- 05 Raised threshold treatment for improved pedestrian safety and amenity
- 06 On road cycle path to connect local schools and Centennial Park



- 12 x new street trees
- Open turf area
- Garden bed along street edge
- No tree removal



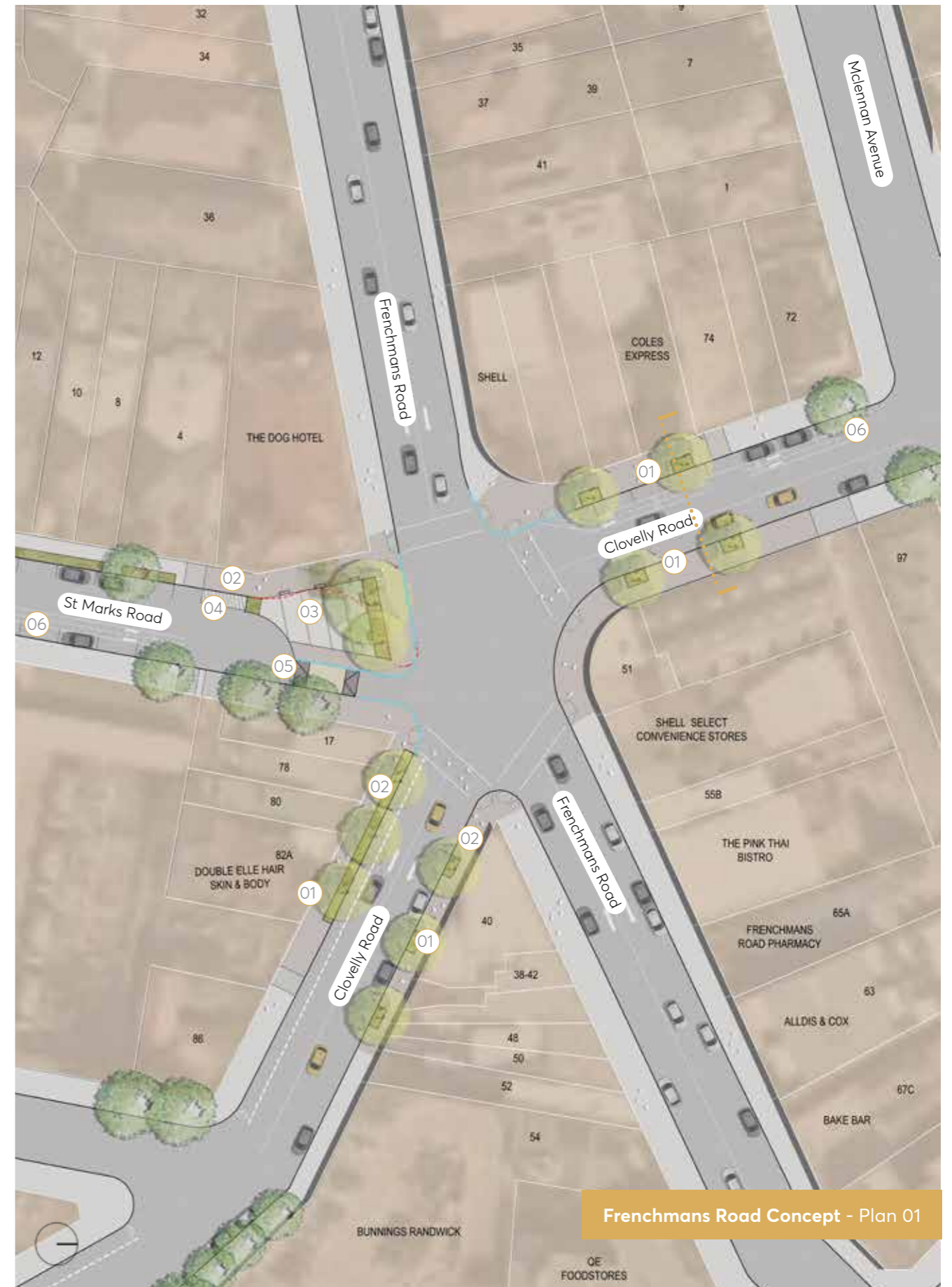
- Formal seating
- Bike racks
- Paving upgrades to Clovelly Road



- On-road cycle lane and shared path connections
- Minor parking loss
- Improved pedestrian safety

Legend

- Existing tree to be retained
- Proposed tree planting
- Proposed low level planting
- New street furniture
- Paving upgrade
- Existing bus stop



Frenchmans Road Concept - Plan 01

On road pedestrian cycle link to local schools and Centennial Park

Kerb build outs for planting and tree upgrades



Clovelly Road- Section 02

New pocket park / break out space for local cafes and visual gateway to Clovelly Road

Shared path connection for on-road cycle link

Raised threshold to St Marks Street for enhanced pedestrian amenity



St Marks Road looking towards Clovelly Road- Perspective 01

carrington road - analysis

5.3.1 EXISTING CONDITIONS

- Existing street tree and green space adjacent bus stop along slip lane
- Limited outdoor dining opportunities
- Disconnect between shops within intersection
- Dominated by vehicular traffic and signalised intersection
- Public transport hub
- Existing carriageway does not allow for separated cycleway
- On-street parking



Legend

- Bus Stop
- Street Furniture
- Pedestrian Crossing
- Activated Shop Front
- Bus Routes
- Existing Tree
- Vegetation
- Flexible Space
- Car Parking
- Existing substation



Carrington Road - Plan 01

carrington road - concept

5.3.2 OVERALL CONCEPT

Adjustments to existing road configuration with slip lane onto Carrington Road being removed to provide greater amenity to residents and shop fronts. Existing parking to be relocated along Clovelly Road.

- 01 New street trees and planting within paving to create buffer for pedestrians
- 02 Paving upgrades to shop fronts to create precinct identity
- 03 New plaza / pocket park for increased public space and informal outdoor dining
- 04 New furniture and outdoor dining opportunity
- 05 Kerb realignment for vehicle and pedestrian safety and increased planting opportunities
- 06 Existing bus stop retained



- 8 x new street trees
- Open turf area
- Kerb build-outs with planting and trees
- 3 x feature trees within park space
- No tree removal



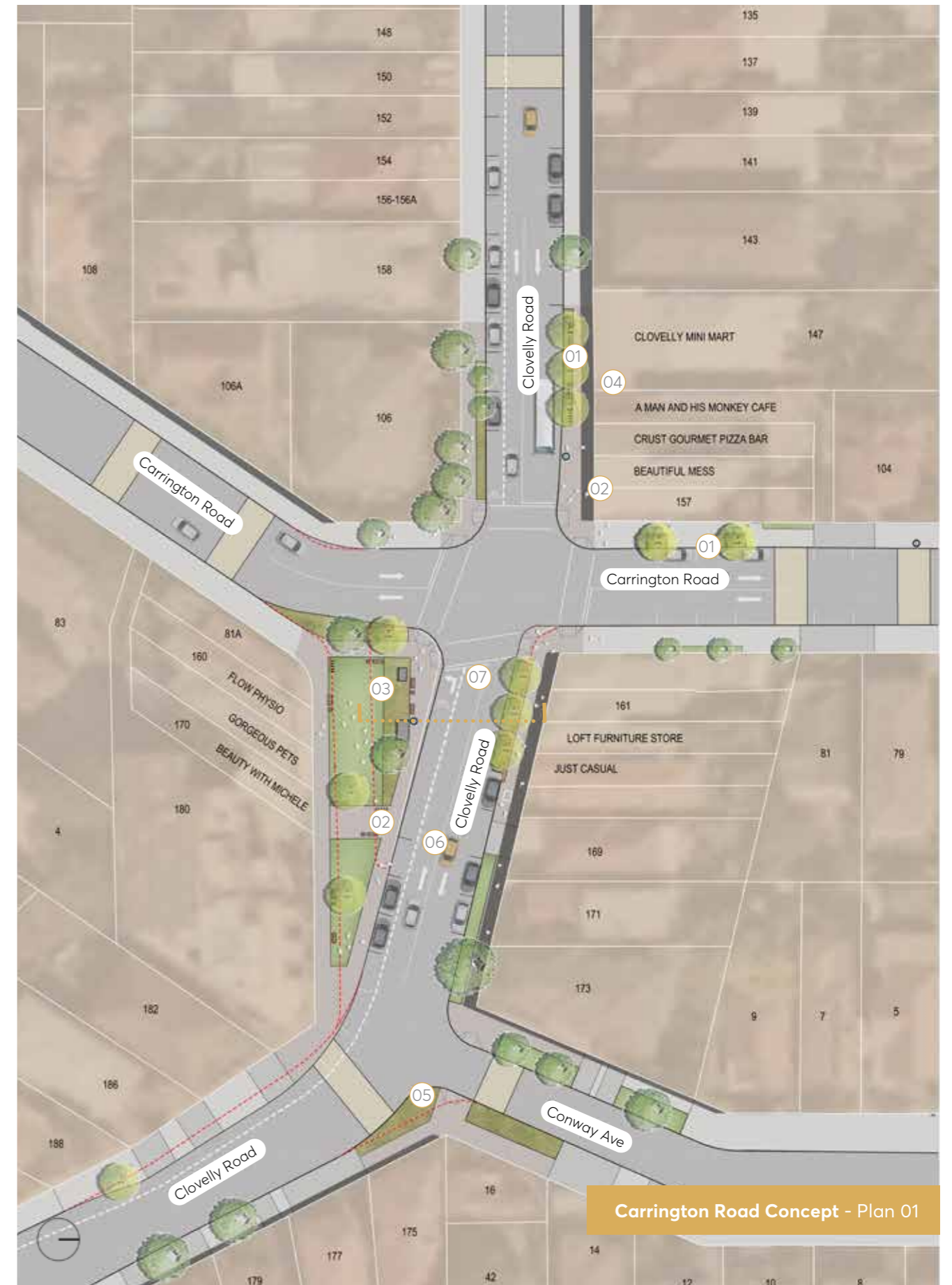
- Formal seating
- Bike racks
- Paving upgrades
- Break-out space for outdoor dining



- No parking loss
- Bus stop locations retained
- Footpath widened for pedestrian safety
- On-road up hill (only) cycle lane along Clovelly Road

Legend

- Existing tree to be retained
- Proposed tree planting
- Proposed low level planting
- New street furniture
- Paving upgrade
- Existing bus stop



Carrington Road Concept - Plan 01

Kerb extension for new tree planting along road corridor

Existing bus stop location to be retained

Slip lane to Carrington Street removed to create pocket park / plaza space



Clovelly Road - Section 03

Kerb extension for new tree planting along road corridor

Existing bus stop location retained

Slip lane to Carrington Street removed to create pocket park / plaza space

Extension of footpath to provide additional outdoor dining opportunities



Carrington Road Green Space - Perspective 01

fern street - analysis

5.4.1 EXISTING CONDITIONS

- Narrow footpaths
- Limited furniture and outdoor dining opportunities
- Existing street tree planting
- Dominated by vehicular movements and parking
- Mix of commercial, retail and residential
- Single pedestrian crossing point
- Existing carriageway does not allow for separated cycleway



- Legend**
- B Bus Stop
 - Street Furniture
 - Pedestrian Crossing
 - ▬ Activated Shop Front
 - ▬ Bus Routes
 - Existing Tree
 - ▬ Vegetation
 - ▬ Car Parking

Fern Street - Plan 01

fern street - concept

5.4.2 OVERALL CONCEPT

Narrowing of road corridor, raised threshold treatment at entry to precinct and converting to a 40km/h zone to create improved pedestrian amenity and environment.

- 01 75mm raised threshold treatment to slow traffic and act as gateway into precinct
- 02 Paving upgrades and new street furniture to shop fronts to create precinct feel
- 03 Rationalised on street parking with kerb build-outs for tree planting
- 04 New raised pedestrian crossing
- 05 Kerb build out along southern side - approx 1m to provide additional circulation space and outdoor dining opportunities
- 06 Existing bus stop to be relocated to outside of precinct for additional parking and tree planting



- 10 x new street trees
- Kerb buildouts for planting and WSUD initiative
- No tree removal



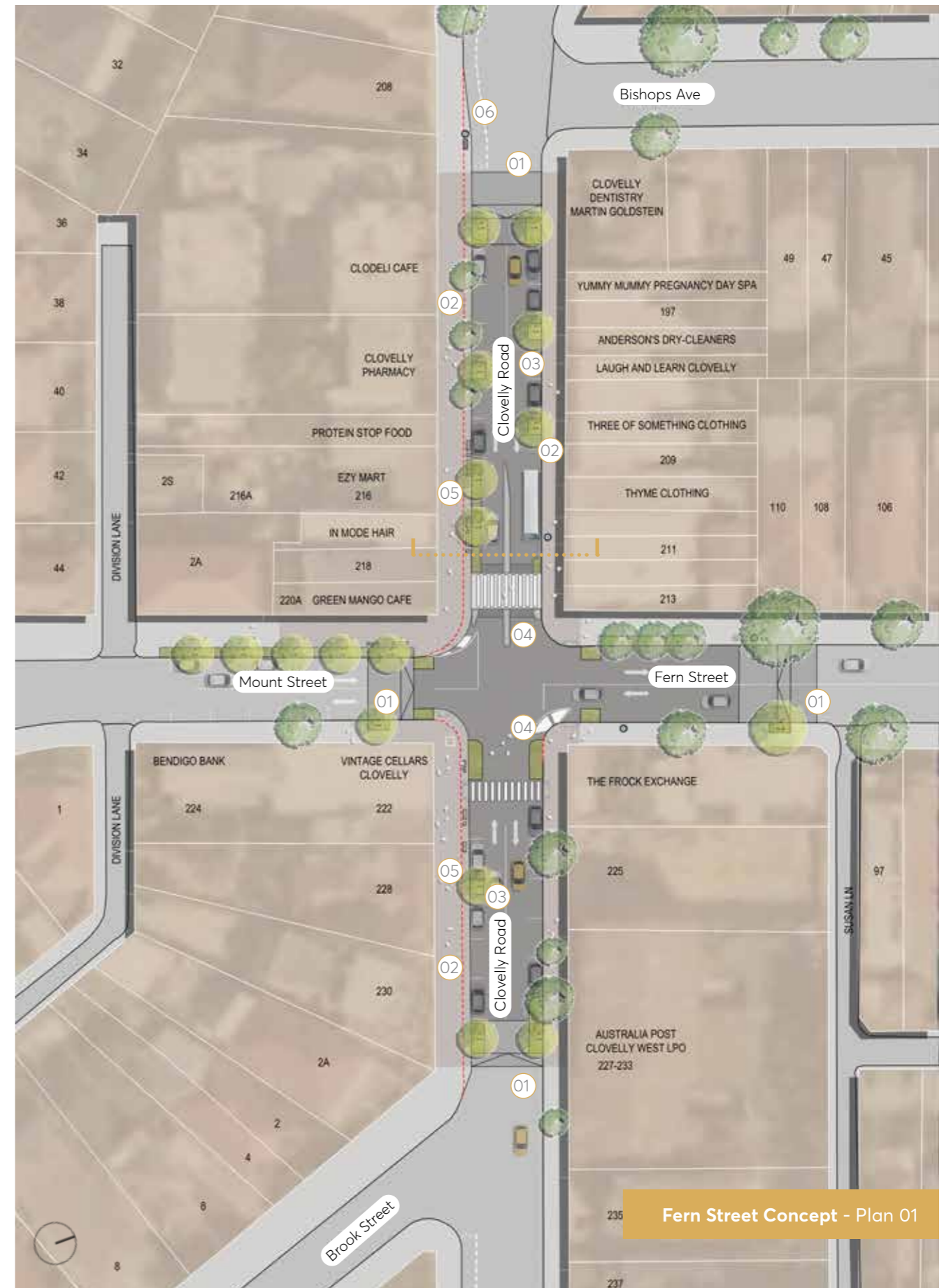
- Formal seating
- Bike racks
- Paving upgrades



- 40km/h zone
- Raised pedestrian crossing
- Road narrowing to slow vehicles
- Raised threshold at precinct entry points
- Mixed cycle / vehicle traffic in precinct with connection to on-road up hill (only) cycle lane

Legend

- Existing tree to be retained
- Proposed tree planting
- Proposed low level planting
- New street furniture
- Paving upgrade
- Existing bus stop



Fern Street Concept - Plan 01

Paving upgrades and footpath widening for pedestrian amenity

Kerb build-outs for tree planting and added amenity

Reduction in traffic lane width to calm traffic movement

Existing kerb re-alignment to enhance pedestrian amenity



Clovelly Road - Section 04

Existing palm trees to be replaced with feature trees for increased shade

New raised pedestrian crossing to enhance pedestrian safety

Kerb build-outs for planting buffer between pedestrians and vehicles

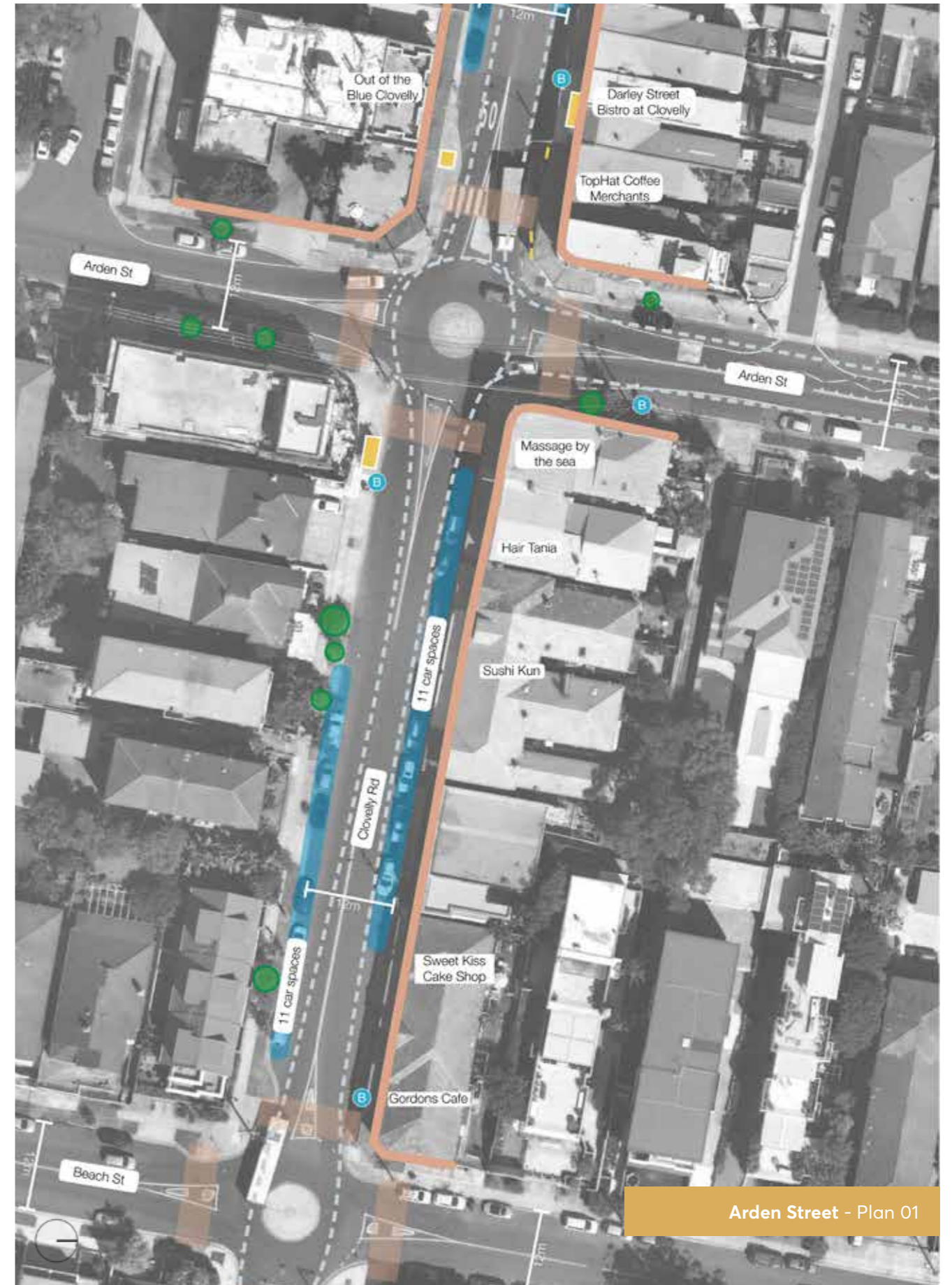


Clovelly Road looking to Mount Street - Perspective 01

arden street - analysis

5.5.1 EXISTING CONDITIONS

- Limited tree coverage to Clovelly Road
- No low level understorey planting
- High traffic volumes
- Narrow footpaths
- Limited outdoor dining opportunities
- Dominated by parking and bus stops within village precinct
- Excellent distant views to the ocean
- Connections to local school



Legend

- B Bus Stop
- Street Furniture
- Pedestrian Crossing
- Activated Shop Front
- Bus Routes
- Existing Tree
- Vegetation
- Car Parking

Arden Street - Plan 01

arden street - concept

5.5.2 OVERALL CONCEPT

Narrowing of road corridor, raised threshold treatment at precinct entries and converting to a 40km/h zone to slow vehicle through movements.

- 01 New street trees build outs and rationalised parking
- 02 Paving and furniture upgrades to shop fronts to create precinct feel
- 03 Kerb build-outs for planting and pedestrian buffer to vehicle movements
- 04 New in-lane bus stop
- 05 New at-grade pedestrian crossings
- 06 75mm high raised threshold treatment at precinct gateways - slow vehicle movements and create safer pedestrian environment



- 8 x new street trees
- Kerb buildouts for planting and WSUD initiative
- No tree removal



- Formal seating
- Bike racks
- Paving upgrades



- 40km/h zone
- At grade crossing
- Raised threshold at precinct entry points
- In-lane bus stop
- Mixed cycle / vehicle traffic in precinct with connection to on-road up hill (only) cycle lane

Legend

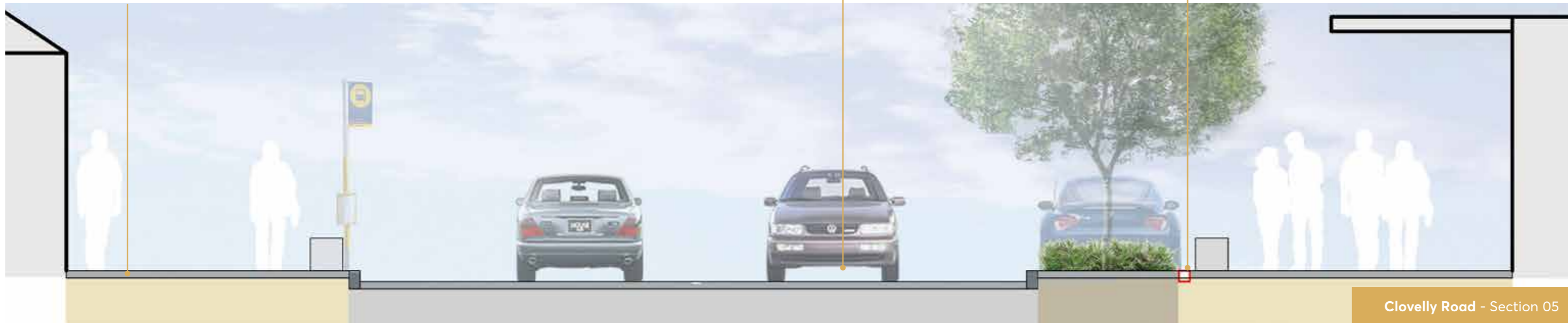
- Existing tree to be retained
- Proposed tree planting
- Proposed low level planting
- New street furniture
- Paving upgrade
- Existing bus stop



Paving upgrades and footpath widening for pedestrian amenity

Reduction in traffic lane width to calm traffic movement

Existing kerb re-alignment to enhance pedestrian amenity



Clovelly Road - Section 05

New furniture and paving upgrades within village precincts

New raised pedestrian crossing

Kerb build-outs for planting buffer between pedestrians and vehicles



Arden Street looking south - Perspective 01

burnie street - analysis

5.6.1 EXISTING CONDITIONS

- High speed traffic along Burnie Street
- Disconnect from Clovelly Road and Burnie Street shops
- Limited safe pedestrian crossing opportunities
- High number of existing street trees
- Gateway to Clovelly Beach Street
- Wide road corridor



Legend

- Bus Stop
- Street Furniture
- Pedestrian Crossing
- Activated Shop Front
- Bus Routes
- Existing Tree
- Vegetation
- Car Parking



Burnie Street Analysis - Plan 01

burnie street - concept

5.6.2 OVERALL CONCEPT

Make use of the obsolete slip lane and give the space back to pedestrians and local community. Enhance the Burnie Street shopping precinct. A relocated bus stop will increase the existing on-street parking to adjacent residents along Clovelly Road.

- 01 Removal of slip lane - convert to pocket park with informal seating and enhanced landscape
- 02 Paving and furniture upgrades to shop fronts to create precinct feel
- 03 Kerb build-outs for planting and pedestrian buffer to vehicle movements
- 04 Re-located bus stop
- 05 Additional on-street parking
- 06 New mid block pedestrian refuge for improved safety
- 07 Kerb re-alignment and introduction of a stop sign at corner of Burnie St and Clovelly Road



- 8 x new street trees
- Kerb buildouts for planting
- No tree removal
- Pocket park and open turf area



- Formal seating
- Bike racks
- Paving upgrades



- Pedestrian refuge
- Kerb re-alignment to Burnie Street
- Introduction of stop sign at Burnie St and Clovelly Road intersection
- On-road up hill (only) cycle lane

Legend

- Existing tree to be retained
- Proposed tree planting
- Proposed low level planting
- New street furniture
- Paving upgrade
- Existing bus stop



Burnie Street Concept - Plan 01

Kerb re-alignment and introduction of a stop sign at corner of Burnie St

Existing garden bed and planting to be retained

New pocket park with informal seating throughout

Existing slip lane to Burnie Street removed



Burnie Street - Section 01

Existing garden bed and planting retained

New landscaping and shade trees throughout turf area

Informal seating along park edge

Paving upgrade and street furniture to pocket park



Burnie Street - Perspective 01

clovelly beach - analysis

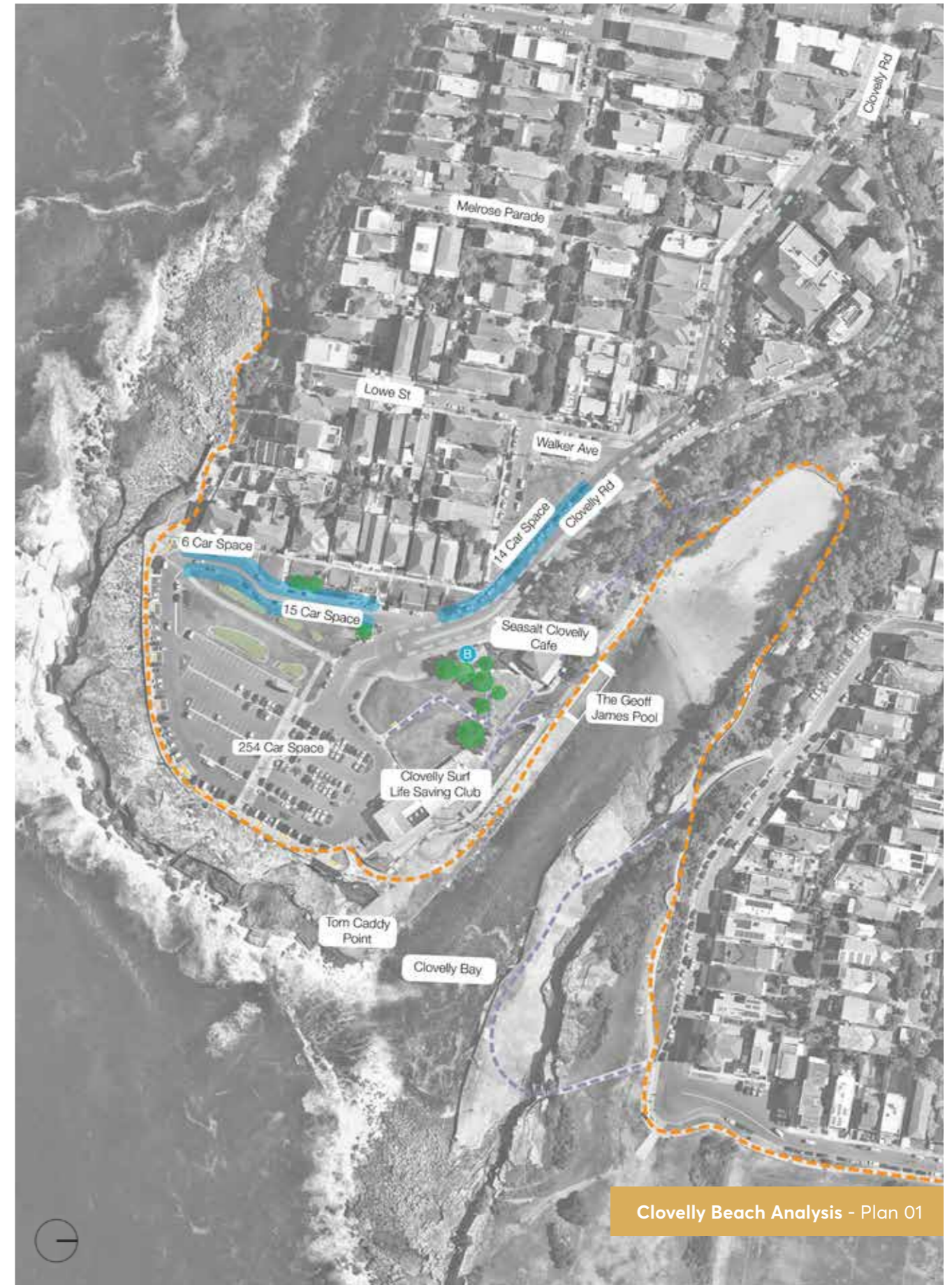
5.7.1 EXISTING CONDITIONS

- Dominated by parking
- Limited shade or tree cover within beach precinct
- High vehicular movements
- Unused green spaces
- Disconnect with beach and lower Clovelly Beach shopping precinct
- Strong views and desire lines
- High pedestrian and vehicle conflict
- Links to adjacent coastal areas



Legend

- Bus Stop
- Street Furniture
- Pedestrian Crossing
- Activated Shop Front
- Bus Routes
- Existing Tree
- Flexible Space
- Vegetation
- Car Parking
- General Footpath
- Coastal Walk



Clovelly Beach Analysis - Plan 01

clovelly beach - concept

5.7.2 OVERALL CONCEPT

Creating 'green moments' and usable open space along the Clovelly Beach headland by relocating existing parking to the entry of the car park which allows people and pedestrians to take full advantage of the ocean views

- 01 Relocation of existing parking to Victory Street green space - gain of three spaces
- 02 Realignment of existing footpath connection to allow new parking alignment
- 03 Enhance planting and small canopy trees within car park
- 04 New fitness area and outdoor gym equipment
- 05 Open passive area along Clovelly Beach headland for informal play and seating areas
- 06 New tree planting within central median to create arrival experience



- New tree planting within parking area and new green link
- Low level planting along coastal
- Tree planting to central median
- Passive open turf area



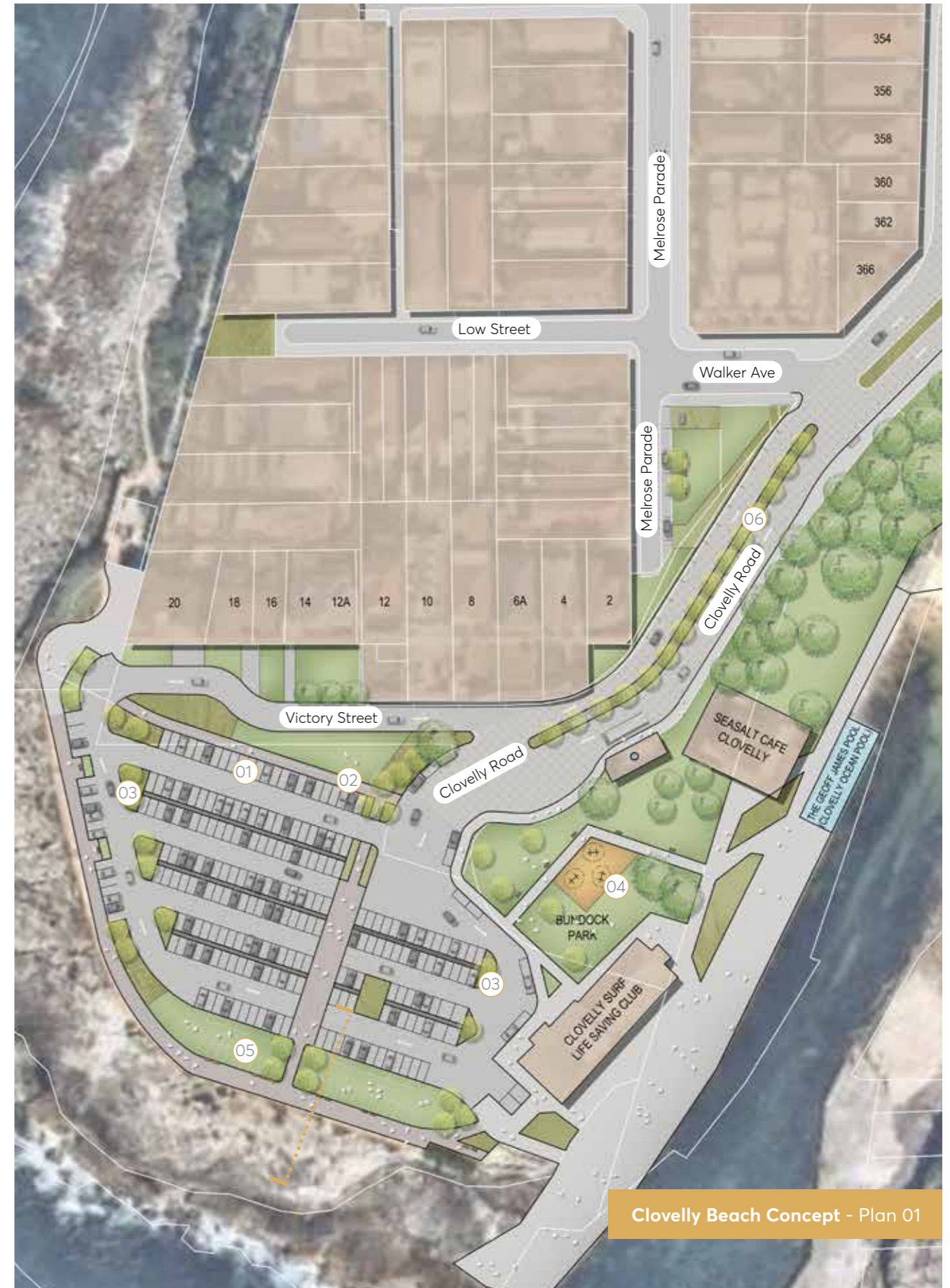
- Formal seating and informal seating
- Paving upgrades
- Fitness area



- Path re-alignment to car park
- Pram ramps introduced to access Walker Ave green space
- Increase in parking spaces

Legend

- Existing tree to be retained
- Proposed tree planting
- Proposed low level planting
- New street furniture
- Paving upgrade
- Existing bus stop



Clovelly Beach Concept - Plan 01

Existing parking arrangement retained - second row of bays

Low level planting along car park to maintain views to ocean

Open passive turf area

Maintain coastal path connection with upgraded seating along park edge



Clovelly Beach - Section 01

Sandstone seating blocks along park edge

Open passive turf area and 'green moment' along headland

Central access path through open space area

New tree planting and landscape area to soften coastal edge

Maintain coastal path connection with upgraded seating along park edge



Clovelly Beach - Perspective 01

conclusion

6.0

6.1 SUMMARY

As outlined, there is ample scope and opportunity for Clovelly Road to improve the current quality of its urban environment.

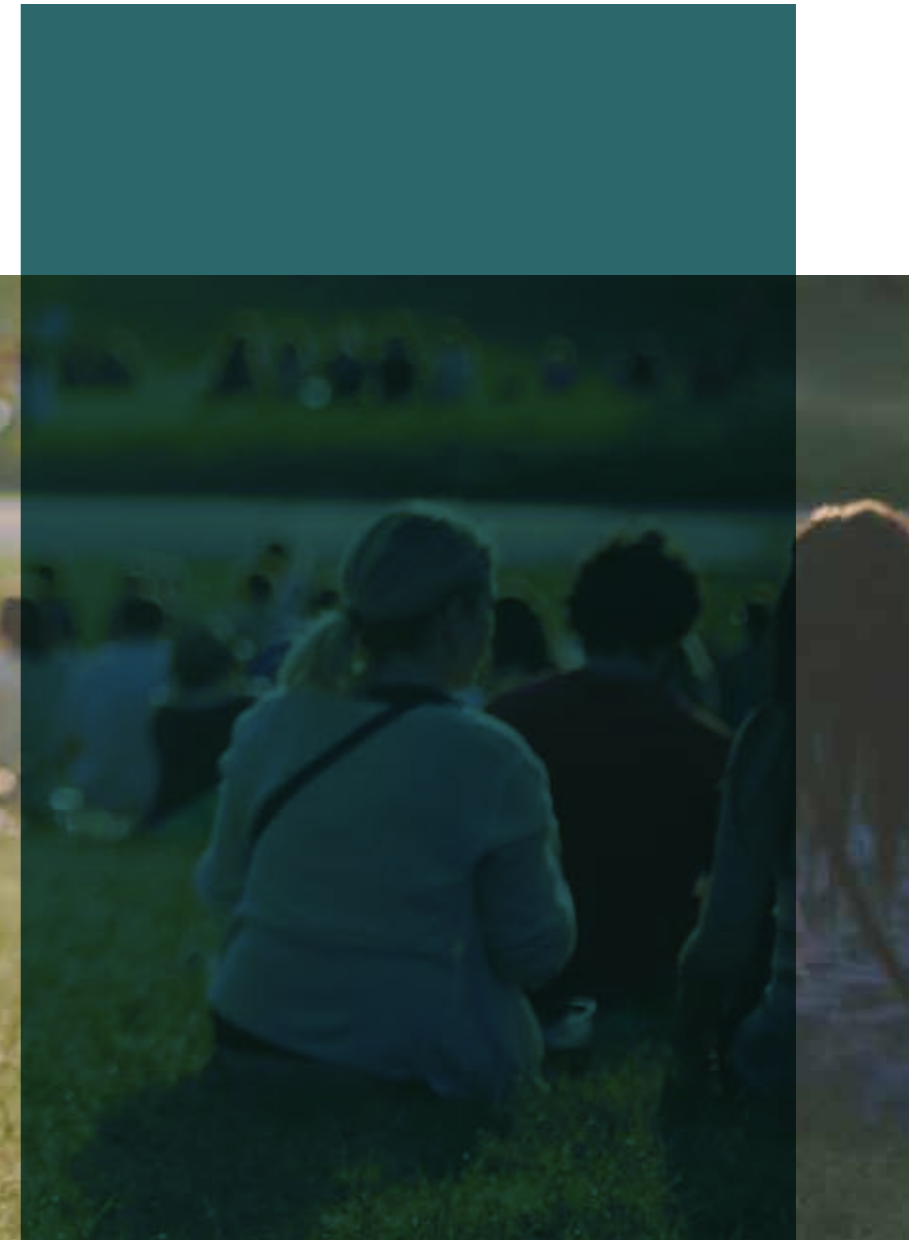
The overall objectives of the master plan have been achieved and positive and achievable targets for Randwick City Council

- Opportunities to create a more pedestrian friendly environment along its length
- Capacity within the road corridor to interrogate kerb locations to better balance the needs of pedestrians / cyclists and vehicles
- Potential for increased tree cover to reach a target of 30%
- Opportunity to further enhance distinct village 'precincts' through the choice of trees, planting, paving and furniture
- Design solutions are cognisant of the need to maintain adequate levels of car parking
- Future proofing for climate change
- Encouraging walking and cycling as a mode of transport

6.2 CONCLUSION

Many of the strategies outlined can be implemented quite easily and cost effectively, while other strategies will take more time in formulation and planning. Overall, there are many positive factors which bode well for the future of Clovelly Road.

To conclude, the Master plan for Clovelly Road is key in providing a vision for the integration of both Randwick Council's works and aspirations of the community.



GROUPGSA

www.groupgsa.com
ARN 3990

SYDNEY

Level 7, 80 William Street
East Sydney NSW 2011
Australia
T +612 9361 4144

E sydney@groupgsa.com

MELBOURNE

Level 1, 104 Exhibition Street
Melbourne VIC 3000
Australia
T +613 9416 5088

E melbourne@groupgsa.com

BRISBANE

Level 14, 100 Edward Street
Brisbane QLD 4000
Australia
T +617 3210 2592

E brisbane@groupgsa.com

PERTH

Level 2, 307 Murray Street
Perth WA 6000
Australia
T +618 6313 2125

E perth@groupgsa.com
