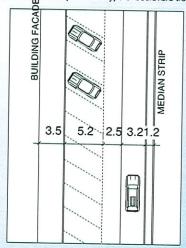
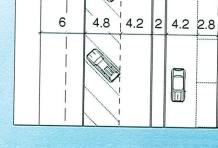
# 5 design options

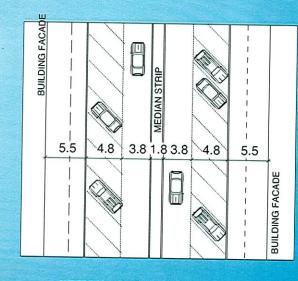
BUILDING FACAD

### 5.1 Design Options

The following options relate to achieving a balance between pedestrian and vehicular shared traffic zones within the River Street Town Centre precinct. Each option can be undertaken in a number of different combinations within the Town Centre. These options shown include a median strip, however it may be desirable to consider deletion of the median strip layout subject to the type of boulevard tree planting selection - refer Masterplan options,







#### **OPTION NO. 1 EXISTING (TEMPORARY LAYOUT)** 60° ANGLE / ANGLE PARKING

#### Advantages

- Easy parking with accommodation for through traffic Maximum parking on-street
- Can accommodate limited tree planting to the centre of the road - median planting's & in car parking
- Maximum through traffic speed pedestrians have to wait at intersections - high speed environment
- Cheapest option does not require alteration of the existing road surface

#### Disadvantages

- Need to remove car parking bays to achieve shade for cars - only
- No increase in footpath width for pedestrian use - cafe space etc.
- No decrease in traffic speed
- No increase in pedestrian safety or amenity

#### **OPTION NO. 2** 45° ANGLE / PARALLEL PARKING

#### Advantages

- Provides maximum pedestrian pavement
- Retains median strip planting which reduces traffic speed
- Increased boulevard tree planting with shade for pedestrians and cars
- Adequate pavement space for cafe/restaurant areas

- Requires new kerb and gutter and changes to road surface to accommodate underground drainage
- Reduced traffic speed due to parking configuration
- Reduced traffic speed within the C.B.D.

### **OPTION NO. 3**

45° ANGLE PARKING TO BOTH SIDES OF THE STREET

#### Advantages

BUILDING

- Provides maximum balance between cars and pedestrian pavements
- Increased boulevard tree planting with shade for pedestrians and cars
- Adequate pavement space for cafe/restaurant areas
- Maximum on-street parking

#### Disadvantages

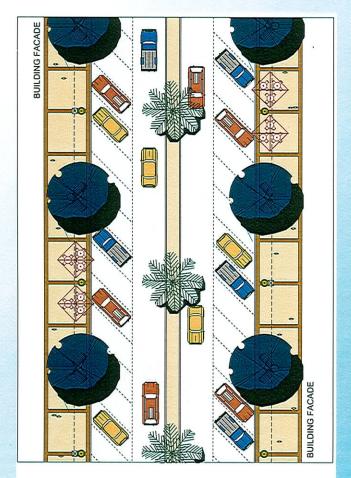
- Requires new kerb and gutter and changes to road surface to accommodate underground drainage
- Reduced traffic speed due to parking configuration



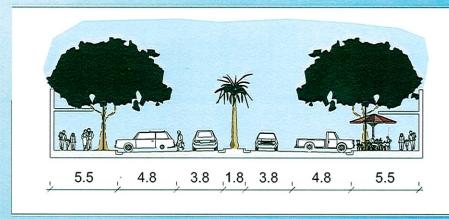


# 5 design options

## preferred option



**TYPICAL PLAN - OPTION 3 RIVER STREET** 



#### **TYPICAL SECTION - OPTION 3 RIVER STREET**





### 5.2 Preferred Option

The preferred option for the streetscape and urban improvements for River Street Ballina involves providing a balance between vehicular access for short-term parking and establishment of a comfortable and inviting pedestrian tree-lined boulevards. Option 3 provides an increased footpath width of almost 2 meters with maximum short term 45° angle parking throughout River Street. The provision of a median strip will assist in slowing traffic down to a shopping car park speed. Through traffic will be diverted around River Street to long-term parking e.g. Tamar Street.

# 6 preferred masterplan

#### 6.1 Masterplan

The preferred Masterplan provides for the upgrade of the environment and pedestrian amenity throughout the Town Centre. Proposed works include the following:

#### 1. Traffic Access & Parking

New directional signage at major vehicular approach roads - identification of the highway bypass system and key locations for long and short-term parking within the Town Centre.

- Note: Short-term parking slow traffic movement to River Street
  - · Long-term parking to the Tamar Street precinct
  - Local C.B.D. through traffic route to follow Bentnick Street

Refer section 4.1 Vehicular Traffic & Directional Signage

### 2. River Street Streetscape/Parking

Nose-in 45° angle parking is proposed to River Street (short-term parking only). The Masterplan proposes widened footpaths with avenue tree planting, new pedestrian pavements, street lighting and quality outdoor furniture.

#### 3. Outdoor Dining

The widened footpath areas provide for outdoor dining to various restaurants and fast food outlets throughout the Town Centre. This type of dining has become extremely popular in recent years, and will extend throughout River Street once the environmental improvements have been completed.

The avenue tree planting includes shade trees along the boulevard footpath area with Fig trees used as accent plantings at traffic roundabouts and central pedestrian crossings. Median strip plantings to the two (Eastern & Western) C.B.D. blocks will include mature palm trees. The central block including the Riverwalk Arcade has been upgraded to include cloth shade canopies and flag/banner artwork displays.

#### 5. River Frontage

The river front area including Fawcett Street through to the Richmond River proposals include:

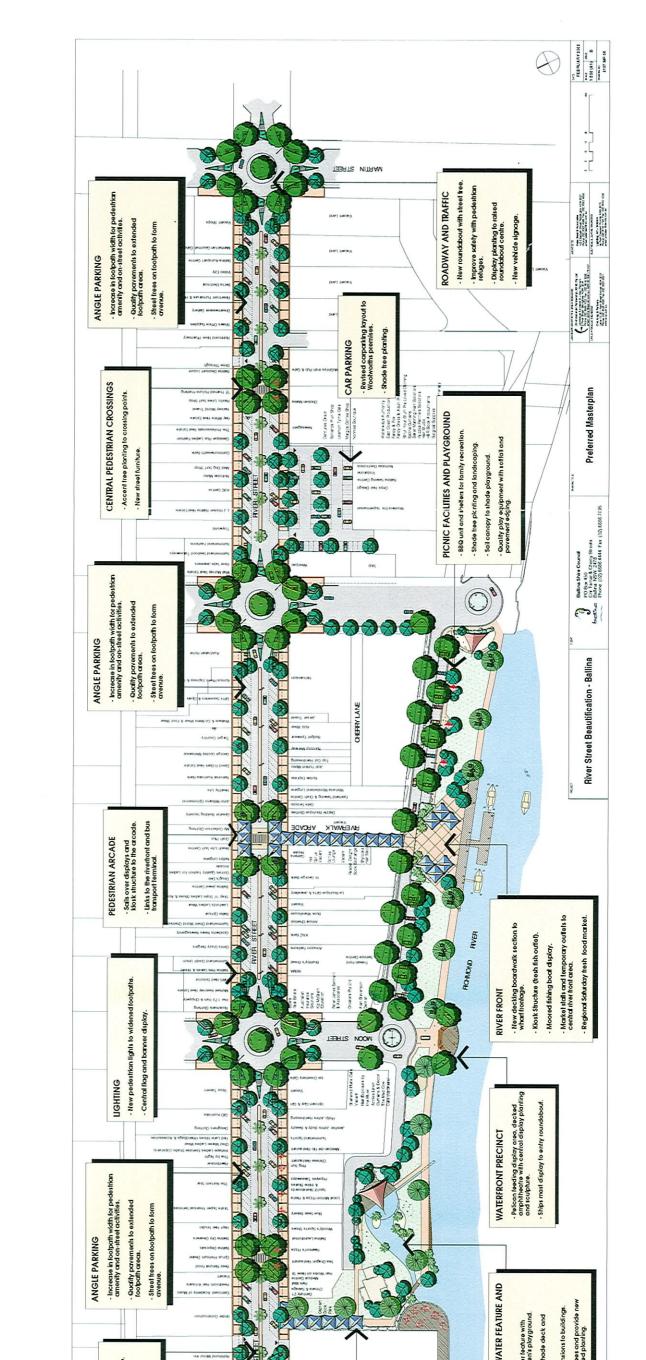
- Existing wharf deck mooring of prawn/fishing trawlers as working tourist displays adjoining the wharf structure
- Provision of a market area, including fresh fish & chip stores / cafes / kiosks with weekend markets facilities for fresh local produce and special events markets
- Picnic and playground facilities
- Artwork sculptures (marine theme)
- Pelican feeding platform and amphitheatre
- Interactive toddler playground and water display area
- Decking and shade sail structures
- Car parking and cycleway
- Riverside pedestrian promenade











# <u> 6 preferred masterplan</u>

### river street precincts

### 6.2 PRECINCT ONE: The Central Block - Moon Street to Cherry Street

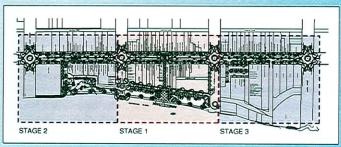
The central precinct is located on River Street between Moon and Cherry Streets, and is recommended as the first stage of the Town Centre beautification programme. This precinct has been selected as it provides a North/South pedestrian link from the Bus/Transport terminal and long-term parking located in Tamar Street through to the river front public open space in Fawcett Street. Proposals include a sail covered walkway through to the river, flag and banner displays, two street kiosks, table seating units, shade avenue trees and display gardens. It is proposed to extend the existing footpaths to provide new pedestrian lighting and quality pavements along the pedestrian boulevard of River Street. The central pedestrian crossing shall be paved to provide a pedestrian priority safety crossing in the centre of the C.B.D. area.

#### 6.3 PRECINCT TWO: The Western Block - Grant Street to Moon Street

This precinct includes landscaped roundabouts with new traffic street lighting, flag/banner displays, and display gardens to the vehicular entry points with easy access to off street parking - R.S.L. underground car park, Other key features of the proposed improvements for this precinct include; avenue tree planting, new street furniture. pedestrian lighting, widened footpaths with quality pavements, and outdoor mobile furniture to cafes and restaurants. Sail structures will denote the entrance of Captain Cook Park, and will continue through the park to link with the river frontage. There is also the provision of disabled and motorcycle parking at the central pedestrian crossing

#### 6.4 PRECINCT THREE: The Eastern Block - Cherry Street to Martin Street

This precinct includes redesign and landscaping to the off-street parking area in front of the Woolworths Supermarket. Provision of mature Palm tree planting to the central traffic island and display landscaping to the entrance roundabout are part of the proposed beautification works. It is also proposed to extend the footpath area and improve infrastructure services such as power, water, phone lines and sewers. Street lighting is to be upgraded with the provision of pedestrian lights and new traffic lighting structures at both the central pedestrian crossing and roundabout. This precinct will also include quality pavements, street furniture and shade avenue tree planting.



Proposed Construction Stages

Works to include River Street through to Fawcett Street and the river frontage.

Works to include interactive playground and Captain Cook Park through to the river frontage water sculpture.

Works to include changes to off-street parking in front of the Woolworths Supermarket



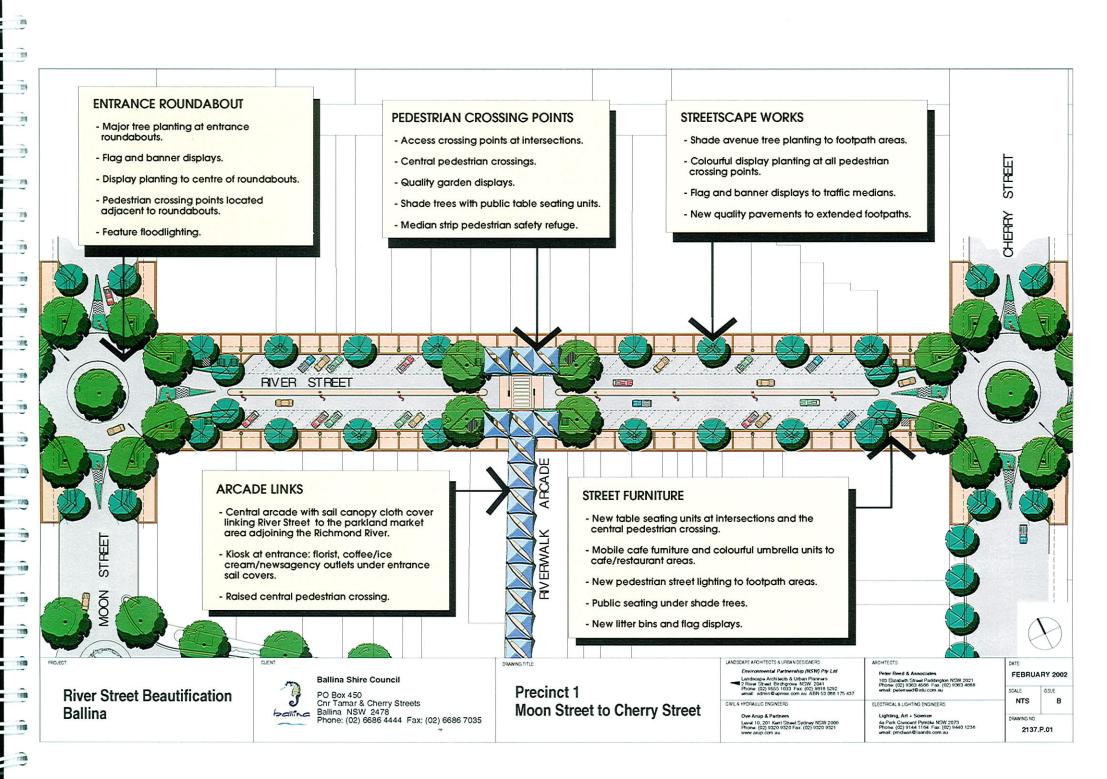
furniture and avenue shade tree planting



Pedestrian priority mid-block crossings with new garden beds and accenplantings, new median in central block with flag/banner displays



New medians to the Eastern and Western blocks with accent planting



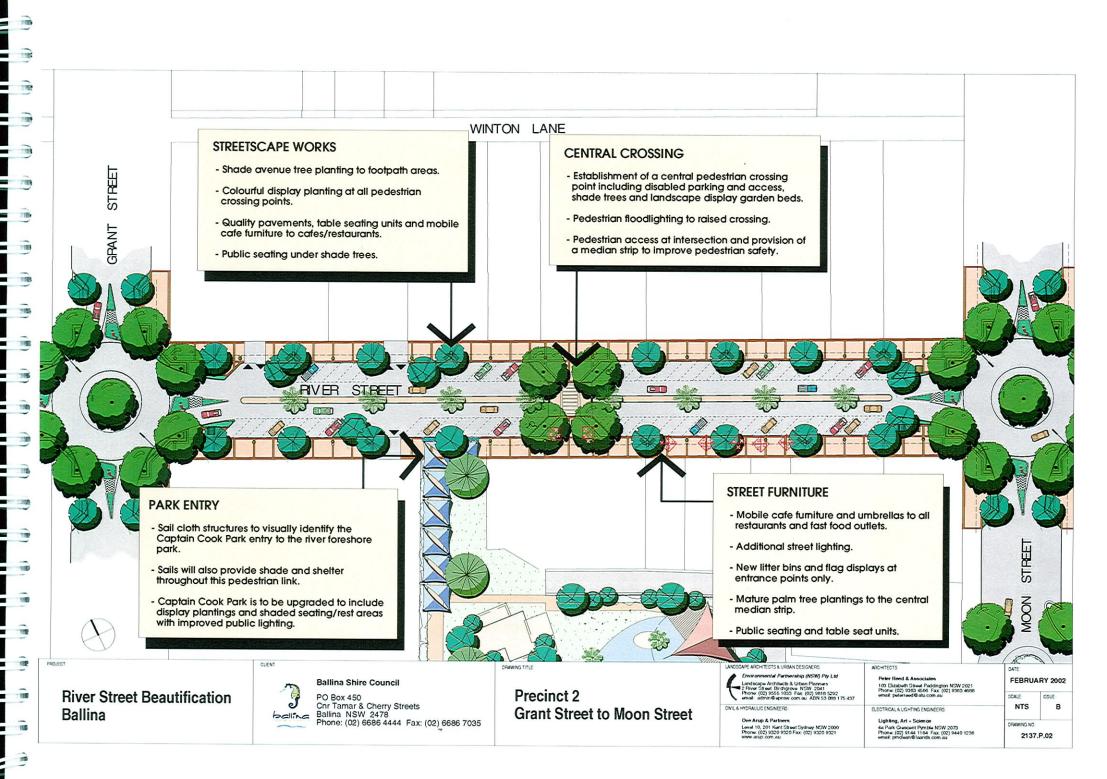
## 6 preferred masterplan



precinct 1: view of mid-block pedestrian crossing

ballina river street beautification

Prepared by Environmental Partnership



# 6 preferred masterplan



precinct 2: view of outdoor dining area

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