



NORAH HEAD VILLAGE CENTRE

MASTER PLAN



Contents

1. BACKGROUND	2. CONTEXT & ANALYSIS	3. VISION & OBJECTIVES	4. MASTER PLAN	5. IMPLEMENTATION
1.1 Introduction	2.1 Regional Context	3.1 Norah Head Village Vision	4.1 The Master Plan	5.1 Implementation Overview
1.2 Report Overview and Structure	2.2 The Study Area	3.2 Key Master Plan Objectives	4.2 Village Centre	5.2 Village Centre
1.3 Background Documents	2.3 Norah Head Character and Identity	3.3 Key Opportunities - Study Area	4.3 Mazlin Reserve	5.3 Mazlin Reserve
1.4 Master Plan Process	2.4 Land use	3.4 Materials and Theming	4.4 Sports ground	5.4 Sports ground
1.5 Community Workshops	2.5 Traffic and Car Parking	3.5 Plant Species	4.5 Cabbage Tree Bay	5.5 Cabbage Tree Bay
	2.6 Pedestrian and Cycleways		4.6 Bush and Young Street Reserves	5.6 Bush and Young Street Reserves
	2.7 Village Centre		4.7 Cycleway Network	5.7 Cycleway Network
	2.8 Attractions and Natural Features		4.8 Interpretive Signs and Trails	5.8 Interpretive Signs and Trails
	2.9 Landform		4.9 Streetscape Improvements	5.9 Streetscape Improvements
	2.10 Photographic Analysis			
	2.11 Study Area Analysis			

1

BACKGROUND

2

CONTEXT & ANALYSIS

3

VISION & OBJECTIVES

4

MASTER PLAN

5

IMPLEMENTATION



1.1 Introduction

Central Coast Council (CCC) has engaged Moir Landscape Architecture to prepare a Master Plan for the revitalisation of Norah Head Village Centre. The study seeks to provide a framework for the future of Norah Head based on a clear vision and a comprehensive set of development principles.

The proposed Master Plan is a long term plan intended to be implemented over the next 10-15 years.

The aim of the Norah Head Village Master Plan is to develop a vision, framework and actions to address the relevant community and environmental planning issues within the Village Centre.

The key objectives of the Master Plan are:

- Produce a Master Plan which reflects the outcomes of meaningful Community Consultation
- Promote and identify potential links from the Village Centre to the surrounding unique natural features
- Enhance the distinctive character of the area through the Village Centre
- Identify the character precincts which compliment existing zoning
- Enhance social interaction through placement of facilities and infrastructure



1.2 Report Overview and Structure

1	BACKGROUND	MASTER PLAN INTRODUCTION PROJECT BACKGROUND MASTER PLAN PROCESS STAKEHOLDER INVOLVEMENT	Provides background into the planning context and process of the Master Plan.
	CONTEXT & ANALYSIS	REGIONAL CONTEXT STUDY AREA STUDY AREA ANALYSIS OPPORTUNITIES & CONSTRAINTS	Overview of the context of Norah Head and provides an analysis of the Study Area. Analysis of the Study Area was undertaken through a number of site visits, desktop investigation and consultation with council staff, community members and key stakeholders. This analysis informed the development of the opportunities and constraints map which assists in guiding the Master Plan development process.
	VISION & OBJECTIVES	KEY ACTIVITY HUBS IDENTIFICATION OF PRECINCTS	Outlines the key urban design principles developed through the analysis phase and indicates how these principles have been applied to the development of the Norah Head Village Master Plan.
	MASTER PLAN	MASTER PLAN KEY PROJECTS	Key projects and precincts were identified through a thorough analysis, assessment of opportunities and constraints and community stakeholder meetings. From these key precincts, key projects have been identified and prioritised to provide practical options for the implementation of the Master Plan.
	IMPLEMENTATION	PROJECT PRIORITISATION KEY PROJECT DETAILS	The implementation section of the report provides detailed concept designs for key areas within the Master Plan. It also outlines the principles that should be applied to future development within the Study Area.

1.3 Background Documents

1.3.1 Toukley Planning Strategy (2010)

The Toukley Planning Strategy was adopted in October 2010. The Strategy recommended that a detailed Master Plan be developed for the Norah Head Village and surrounds, which is also reflected in the ‘Actions’ within the Implementation Chapter.

Norah Head Village – Precinct 12a (in the Toukley Planning Strategy), is centred on Mitchell Street between Soldiers Point Road and Bungary Road, with the topography falling from the latter to provide potential views across Cabbage Tree Bay to the ocean. The existing commercial area is located on the northern side of Mitchell Street and extends around the corner along the eastern side of Bungary Road.

Mitchell Street has a very wide road reserve and its poor amenity contributes little to attract and retain visitors. The extension of Mitchell Street to the eastern side of Bungary Road is only partially formed, and potential ocean views from the commercial area are obscured by vegetation in the road reserve and Mazlin Reserve.

Currently there is a large number of tourist and recreation based attractions in the immediate locality, however there is no inviting location to serve as a ‘base’ for visitors. There is a significant opportunity to develop a ‘Village’ around Mitchell Street. Norah Head has potential to support low intensity tourist uses, and could benefit from improved amenity, services and focus of activity at the Mitchell Street local shops. There are also limited opportunities to introduce alternative dwelling types at Norah Head.

Table 1. Report overview and structure

1.4 Master Plan Process

1. Research and Analysis Phase

The research and analysis phase of the Master Plan process included site analysis, photographic surveys, meetings with Council staff and the Community.

2. Opportunities and Issues

The constraints and opportunities of the study area were identified through a combination of site analysis and through stakeholder workshops. These formed the basis of the Master Plan objectives and design principles.

3. Concept Development Phase

The concept development phase of the Master Plan process involved the refinement of the opportunities and constraints within the Norah Head Village Centre and developing a concept Master Plan.

4. Master Plan Development and Production

The Master Plan development phase has been refined in response to feedback from the concept design.

5. Public Exhibition Phase

Once a final Master Plan has been developed it will be placed on exhibition for community feedback.

6. Master Plan Finalisation

Master Plan finalisation stage will follow the public exhibition phase of and modify the Master Plan in accordance with the responses of the community and stakeholders.

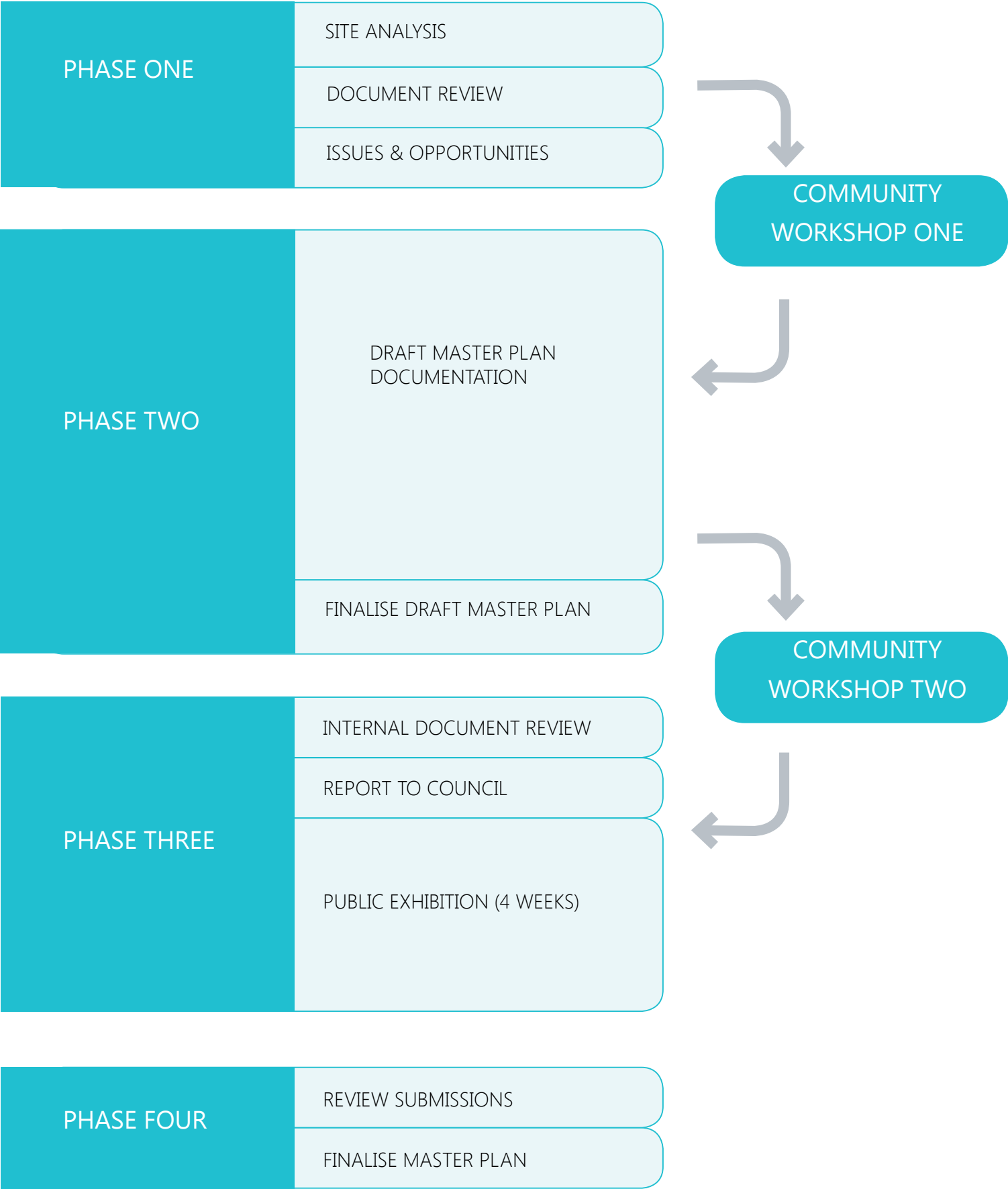


Figure 1. Master Plan Process

1.5 Community Workshops

The Study Team facilitated two community workshops which provided opportunities for the local community to contribute to the development of the Master Plan. The consultation process was an integral component of the Master Plan development, with each consultation providing feedback and additional insights to influence the next step in the plans' development process.

This Issues and Opportunities Scoping Paper was prepared in response to the preliminary site analysis and document review. The purpose of the issues and opportunities paper was to set the context and direction for the investigation.

The engagement process resulted in clear findings and direction in relation to the overall project objectives and opportunities.

1.5.1 Community Workshop One

The first community workshop was held on the 5th of May, 2016 at Soldiers Beach Surf Life Saving Club (SLSC). Approximately 50 community members attended and were involved in a desktop workshop facilitated by Moir Landscape Architecture's staff to discuss issues and opportunities.

Eight key themes were identified in the Issues and Opportunities Scoping Paper. These themes were used to frame the discussions. A brief overview of the issues and opportunities identified and discussed by community members for each theme is included as **Appendix A** of this report.

1.5.2 Community Workshop Two

A second community workshop was held on the 16th of June, 2016 at Soldiers Beach Surf Life Saving Club (SLSC) from 6pm - 8pm. Approximately 50 community members were involved in a review of the Draft Master Plan for the Norah Head Village Centre.

Eight key projects / precincts were identified in the Draft Master Plan. The community provided feedback on the key principles proposed in the Draft Master Plan. A brief overview of the feedback received from the community workshop has been provided in **Appendix B** of this report.



Norah Head Community Workshop 1 - 5th of May, 2016

1

BACKGROUND

2

CONTEXT & ANALYSIS

3

VISION & OBJECTIVES

4

MASTER PLAN

5

IMPLEMENTATION

2.1 Regional Context

Norah Head is one of the Central Coast's most unique villages popular for its coastal location and many regional scale attractions.

Norah Head is located within the Central Coast Council (CCC) Local Government Area (formerly Wyong Shire Council). Norah Head is located approximately 50 kilometres to the south of Newcastle and 110 kilometres north of Sydney.

Toukley is the nearest Town Centre, located approximately 5 kilometres north west. Tuggerah Lake is located to the west of the Village and bounded by the ocean to the east.

Norah Head has a number of regional attractions including the Norah Head Lighthouse, Wyrabalong National Park, Norah Head Holiday Park and Beaches.

The Wyrabalong National Park is located immediately south west of the town, with a number of walking tracks, swimming, surfing and fishing locations. The National Park is known for its diverse wildlife, rich Aboriginal heritage, unique red gum forest and conserves the last patch of coastal rainforest on the Central Coast.

A number of regional scale events are held in Norah Head including Whale Dreamers Festival and Gathering of the Clans.



Figure 2. Regional Context

2.2 The Study Area

Norah Head is a unique village, defined by the surrounding natural environment and recreation spaces. The town has a sense of isolation from the more developed areas of the coast and the distinct identity is defined by the many attractions.

Norah Head is located on the eastern side of Wilfred Barrett Drive, south of Hargraves Street and follows the coastline east to include the Norah Head Lighthouse Precinct located on the headland. It extends southwest to Soldiers Beach and then westward direction to Wilfred Barrett Drive.

Norah Head has a unique coastal village character and a sense of isolation. It contains a series of spectacular beaches, coves, headlands, coastal reserves and parks and the iconic Norah Head Lighthouse.

For the purpose of the Norah Head Village Centre Master Plan, the Study Area runs from View Street to the north down to Victoria Street to the south. The Study area is bounded to the west by Soldiers Point Drive, and extends to the foreshore incorporating Bush Street Reserve and Young Street Reserve.

Key features of the Study Area include:

- Mitchell Street Village Centre
- Cabbage Tree Bay
- Rock pool
- Boat Ramp
- Mazlin Reserve
- Sports Ground
- Bush Street Reserve
- Young Street Reserve



Figure 3. The Study Area

2.3 Norah Head Character and Identity

The character of Norah Head is primarily shaped by the unique headland setting; surrounded by beaches, bays and bushland. Unique man-made structures including the lighthouse play an important role in the town's history and identity.

Norah Head has a low key, relaxed, coastal village atmosphere, which is characterized by wide local roads, numerous parks and swimming beaches. In warmer months, the town becomes a destination for many visitors who utilise the beaches, boat ramp, lighthouse and holiday park.

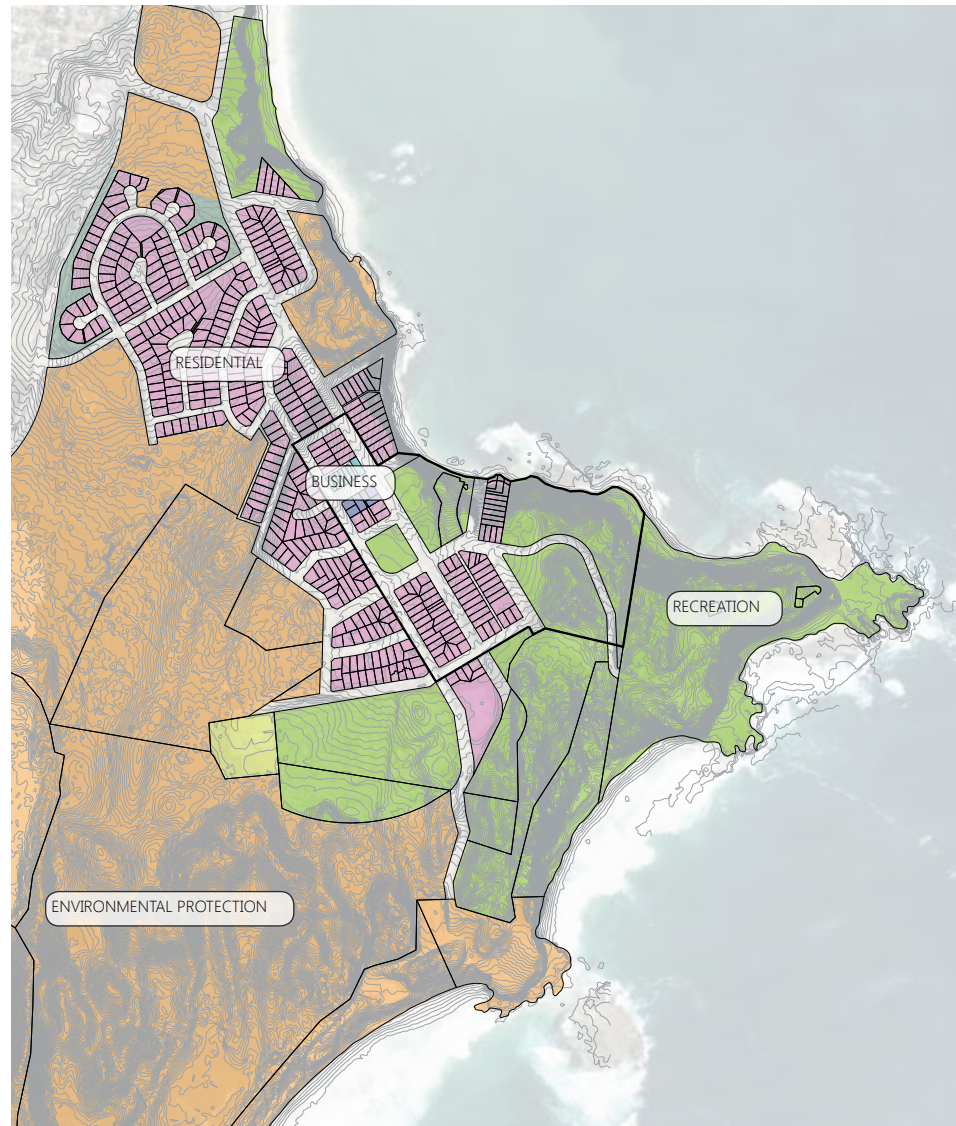
Residences within Norah Head are generally low density, with a mix of older cottages and larger modern residences.

Norah Head has developed a rich history since it was settled in the early 1800's. Originally referred to as Bungaree Noragh Point, the village was known for the exploitation of valuable cedar timbers, logged from surrounding areas and shipped to Sydney from a jetty at Cabbage Tree Harbour. Norah Head also has a history of fishing and a number of shipwrecks, resulting in the construction of the lighthouse in 1902.

It is important the context is understood to ensure that any new structures fit with the existing character of the village.

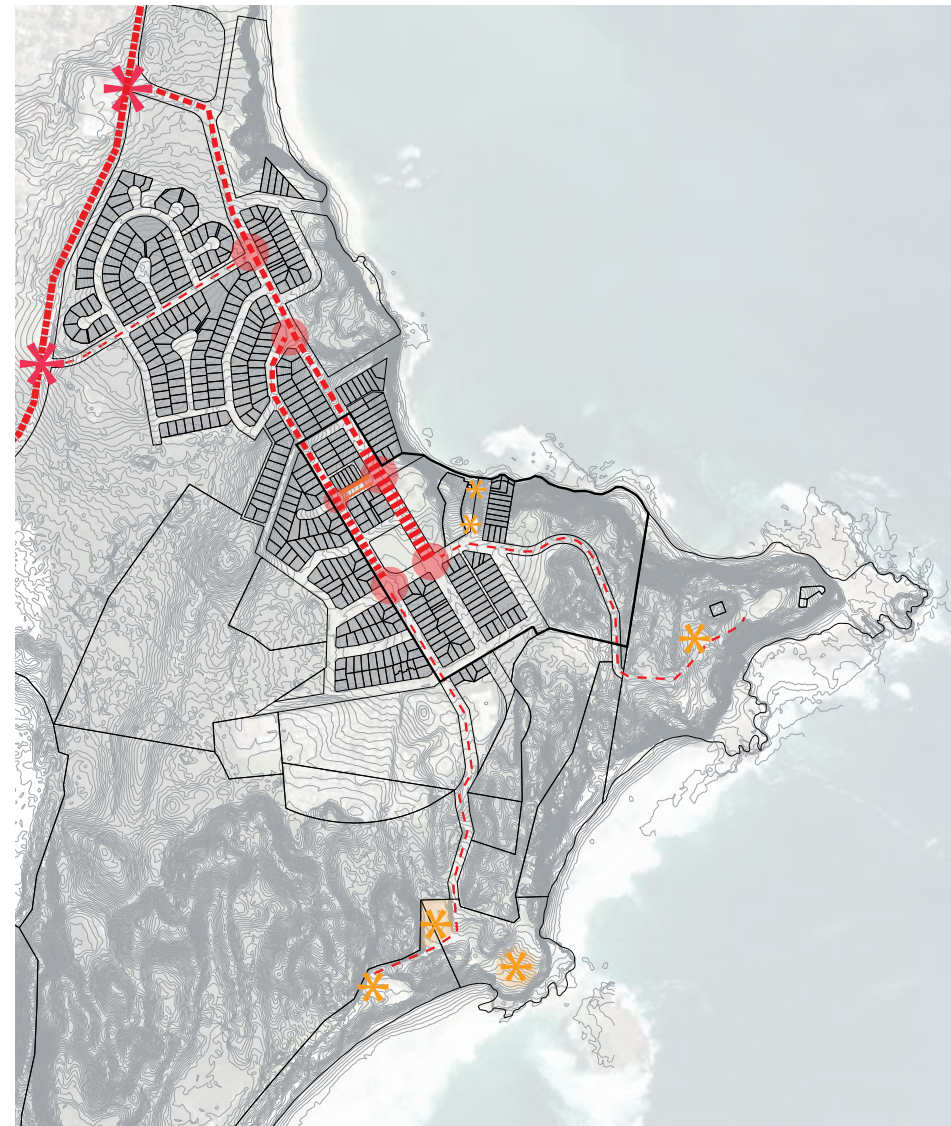


2.4 Land Use



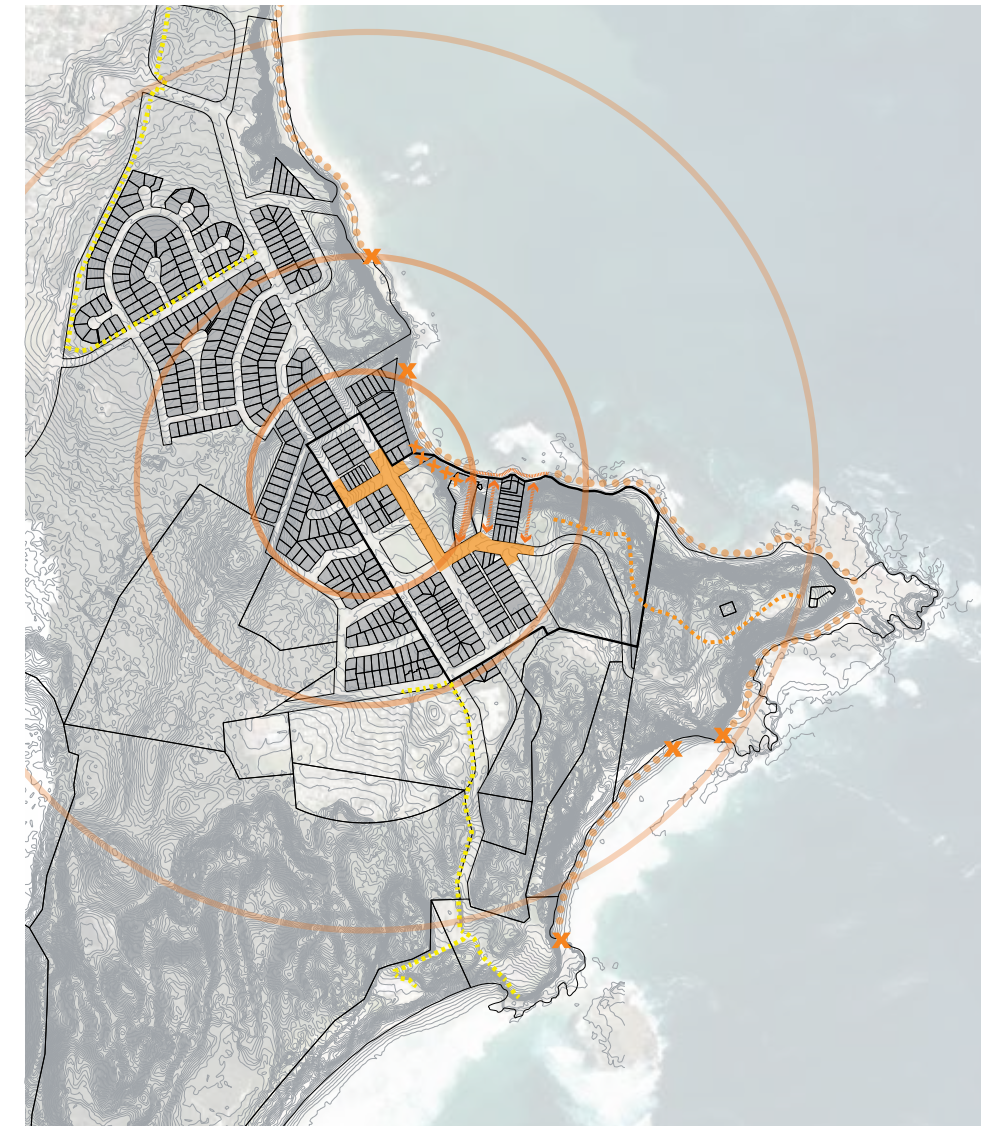
- The majority of land within the study area is low density residential, defined by a mix of old and new residences.
- Large areas of open space are located within close proximity to the Village Centre (Mazlin Reserve, Sports Ground, Bush Street Reserve and Young Street Reserve).
- Connections between open space areas and surrounding attractions are limited.
- Conflicts exist with land use. (ie. issues with vandalism of trees at Mazlin Reserve resulting from obstructed ocean views from surrounding residences).
- Large areas of Environmental Conservation Land to the west of the Study Area.

2.5 Traffic and Car parking



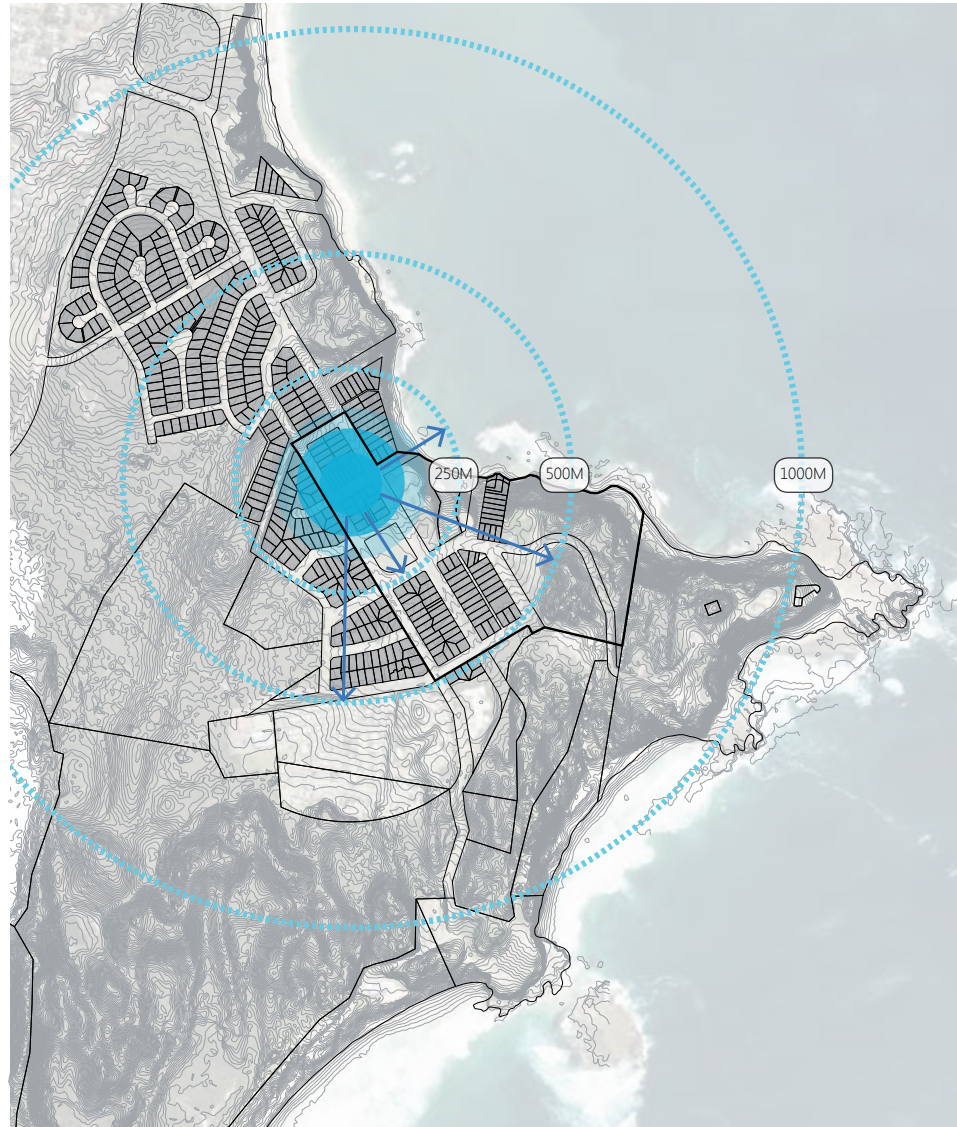
- Two entries to Norah Head off Central Coast Highway (Bungary Road and Dennison Street), limited signage and safe turning lanes.
- Limited car parking within Town Centre.
- Major safety concerns due to speeding traffic along Bungary Road and Soldiers Point Drive.
- Wide road reserves provide opportunities for car parking, traffic calming.
- Informal overflow car parking occurs in peak times.
- Informal car parking surrounding Sports ground.

2.6 Pedestrian and Cycleway Connections



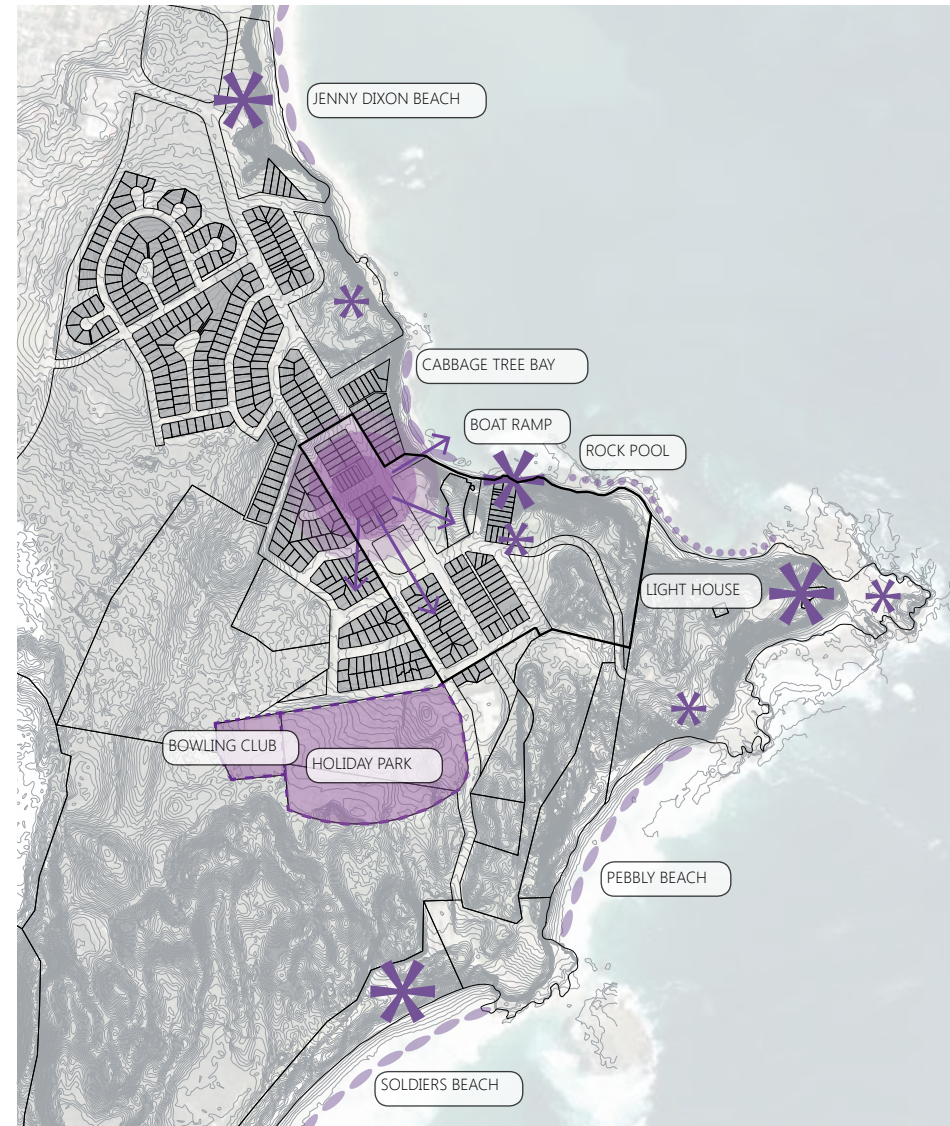
- High use pedestrian areas surrounding Village Centre and Cabbage Tree Bay lack footpaths.
- Level change between Village Centre and Cabbage Tree Bay limits access.
- Land slip is a major safety concern for pedestrians.
- Speed of vehicles traveling along Soldiers Point Road and Bungary Road is unsafe for pedestrians and cyclists.
- Limited pedestrian connectivity between the Village Centre and surrounding attractions.
- Topography within the study area is sloping in some areas which may present issues with accessibility.
- Existing cycleway / shared path network is disjointed.

2.7 Village Centre



- The commercial precinct associated with Mitchell Street has been identified as the 'Village Centre'.
- The Village Centre is run down and would benefit from improvements to attract visitors. ie. street tree planting, improved pedestrian paths, public art, signage, amenities.
- Opportunity to promote the Village Centre precinct as a 'Gateway' to Norah Head and its attractions.
- The Village Centre is within walking or cycling distance to numerous attractions of Norah Head.
- Connections between the Village Centre and key attractions are currently illegible.
- Signage from Village Centre to key attractions is currently limited.

2.8 Attractions and Natural Features



- Attractions and facilities including: Rockpool, Lighthouse, Ocean Boat Ramp (recently upgraded), Norah Head Holiday Park draw a range of visitors.
- Signage from Village Centre to key attractions is currently limited.
- Key attractions are not currently promoted at entry points to Norah Head (Bungary Road and Dennison Street).
- Potential conflict exists between providing access to, and the protection of, sensitive natural areas.
- Opportunity to enhance physical and visual connections to key attractions.
- Opportunity to market seasonal events to attract visitors to the Village (ie. Whale Watching).

2.9 Landform



- Steep topography limits access to the foreshore.
- Opportunities for viewing locations from high points within the study area and its surrounds.
- Topography in the Village Centre slopes to the east, accessibility is an issue.
- Limited pedestrian access to Cabbage Tree Bay and rockpool is steep.
- Topography along Bungary Road rises to the north of View Street creating a safety issue with speeding traffic.
- Visual links to the ocean from Village Centre are screened by vegetation.
- Opportunity to establish important view corridors and reinforce existing views.

2.10 Photographic Analysis

A preliminary site inspection and photographic analysis was undertaken in March 2016 to identify existing opportunities and issues within the defined Study Area and immediate surrounds. An overview of the photographic analysis is included in the following pages.



Image 1.

View north along Bungary Road from Mazlin Reserve. Shops associated with the Village Centre are visible on the corner of Mitchell Street. Bungary Road is one of two main roads into Norah Head, with a wide road reserve.



Image 2.

View from the southern side of Mitchell Street looking west. Mitchell Street slopes to the east. The street is defined by residential lots on the southern side and low scale commercial on the northern side. There is no footpath or kerb and guttering on the southern side of Mitchell Street. Parking is formalised by line marking.



Image 3.

View from the southern side of Mitchell Street looking towards the Village Centre. The commercial strip along Bungary Road is low scale accommodating small businesses including bakery, beautician and cafe. There is a small level change between the shop fronts and Bungary Road.



Image 4.

View from the southern end of Mazlin Reserve looking towards the northern edge of the park. Stands of vegetation are dying off as a result of vandalism. Storm water from surrounding areas is diverted into Mazlin Reserve where it is drained.



Image 5.

Existing playground within Mazlin Reserve has limited equipment and caters for short visits. Views towards the ocean are generally screened by vegetation along the boundary of the park. Vegetation is retained along the cliff top for bank stabilisation.



Image 6.
View from Cabbage Tree Bay of the eastern edge of Mazlin Reserve. The land is unstable and currently poses a safety risk.



Image 7.
Views towards the ocean from the Village Centre are generally screened by dense vegetation associated with Mazlin Reserve and plantings on the corner of Bungary Road and Mitchell Street.



Image 8.
North eastern end of Mitchell Street. Views to the ocean are currently screened by vegetation. Instability of the cliff fronting Cabbage Tree Bay restricts access to the bay from Mitchell Street.



Image 9.
View from the corner of Mitchell Street and Soldiers Point Drive looking in a south east direction along Soldiers Point Drive. Soldiers Point Drive is used frequently by traffic travelling to Soldiers Beach.



Image 10.
View from Mazlin Reserve to Sports Ground on Bungary Road. The Sports Ground is currently under utilised. A road reserve, Lawson Street, runs along the northern boundary of the field. Overflow car parking occurs along the turfed edge of the sports ground during events. A small amenities building is occupied by Norah Head Hockey Club. Firefighting championships are held on the Sports Ground.



Image 11.
View across the Sports Ground from Bungary Road looking towards Soldiers Point Drive.

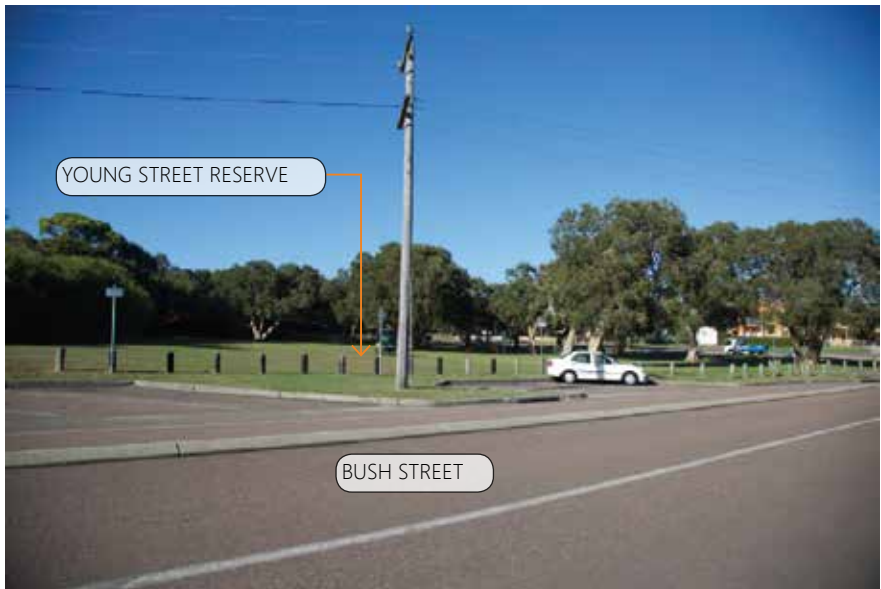


Image 12.

View from Bush Street towards Young Street Reserve. Bush Street has been upgraded recently with designated car parking areas, kerb and guttering. Bush Street provides access to Norah Head Lighthouse.



Image 13.

View across Young Street Reserve. Existing informal car parking area off Young Street. Young Street Reserve is generally open parkland with a small playground and several picnic tables.



Image 14.

View from Bush Street towards the Bush Street Reserve. Access to the rockpool is via a path and staircase. Bush Street Reserve is popular for picnics with whale watching platforms, amenities and parking.



Image 15.

View from the top of Bald Street next to the car parking area. Rossetti Lookout is accessed from the car park with sweeping views over Cabbage Tree Bay and further north towards Budgewoi Beach. Bald Street is the primary access road to Cabbage Tree Bay, the rockpool and boat ramp. The street is steeply sloping to the north and as a result pedestrian access is difficult.



Image 16.

The Ocean Boat Ramp which provides access to Cabbage Tree Bay. Access to the rockpool is available to the south east. Car parking is limited. The cliff associated with the edge of Mazlin Reserve is visible from this location.



Image 17.

Bush Street provides vehicular access to Norah Head Lighthouse. There is no safe, designated pedestrian or cyclist pathway with poor visual access around corners.

2.11 Study Area Analysis

A detailed analysis of the Study Area was undertaken to identify the existing issues and opportunities.

Village Centre

The Village Centre (associated with Mitchell Street) is in poor condition and lacks a consistent theme and identity. Views towards the ocean are currently screened from the Village Centre by vegetation associated with Mazlin Reserve. Parking and accessibility are currently inadequate.

Open Space

Open space to the east (Young and Bush Street Reserves) is generally well utilised and in good condition. There is an opportunity to link these open space areas to those closer to the Village Centre (Mazlin Reserve and the Sports Ground). Mazlin Reserve is generally under utilised and lacks amenities. The cliff along the north eastern edge of the reserve is a safety concern due to erosion for users of the reserve and Cabbage Tree Bay. The Sports Ground is also underutilised and has the potential to incorporate mixed uses.

Traffic & Car parking

Traffic movement throughout the Study Area (in particular along Bungary Road and Soldiers Point Drive) is currently unsafe due to wide road reserves and lack of line marking. Formal car parking areas are currently limited to Bald Street, Bush Street and Mitchell Street. Access to Cabbage Tree Bay and the Rock pool is affected by the lack of nearby parking. Informal car parking occurs along the wide road verges along the perimeter of Mazlin Reserve and the Sports Ground.

Pedestrian and Cyclist Movements

The Study Area currently lacks safe shared pedestrian and cycling paths between key attractions.

Street scape

The Study Area currently lacks street trees and landscaping. Wide road reserves create opportunities for streetscape improvements.



Figure 4 . The Study Area Analysis

1

BACKGROUND

2

CONTEXT & ANALYSIS

3

VISION & OBJECTIVES

4

MASTER PLAN

5

IMPLEMENTATION



3.1 Norah Head Village Vision

Norah Head will remain a casual, low-key coastal village which is attractive, well connected and active with a focus on recreation, leisure and the natural environment.

The vision and objectives for the development of the Norah Head Master Plan build on those identified in the project brief. Feedback from the community workshops and discussions with key stakeholders has further informed the key objectives of the Master Plan. Key objectives and design principles have been developed in response to the vision (refer to Section 3.2).

The Village Centre and Mazlin Reserve will form a base for visitors entering Norah Head and services will support a range of user groups. The Village Centre will retain the low key coastal village feel which will be reflected through a consistent design theme.

A safe and user friendly cycle and pedestrian network is required throughout the Study Area which connects to the wider region. A legible signage system will assist in way finding, ensuring visitors easy access to key attractions in the area.

The rich history and heritage of the area will be interpreted through a range of sculptural elements, stories and walking trails throughout the town. Connections to the natural environment will be strengthened through access to bushland trails and increased visual and physical links to the ocean.

Links between existing open space areas and landmarks will be strengthened through improved physical and visual links. Improvements to open space will ensure they encourage use by a mixed range of formal and informal user groups, with the ability to cater for large scale events to encourage visitors to the Village.



3.2 Key Master Plan Objectives



Strengthen the Village Centre and reinforce the role of Mitchell Street as a hub.



Encourage safe pedestrian movements throughout Norah Head.



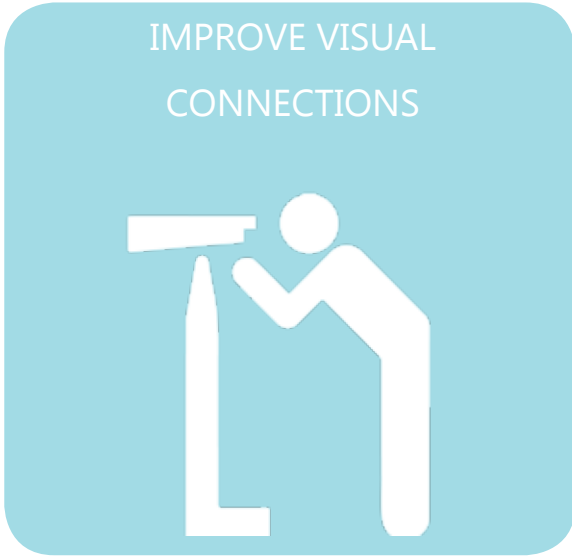
Create safe and legible cycling connections throughout the Study Area.



Incorporate legible and consistent signage throughout Norah Head to assist in way finding and promotion of attractions and events.



Enhance existing open space and streetscape improvements.



Identify and strengthen significant visual links throughout the Study Area, in particular between the Village Centre and Cabbage Tree Bay.



Investigate traffic management options and explore opportunities to improve car parking within the Village Centre.



Improve connectivity and way finding to key attractions. Create opportunities to interpret the rich heritage and history of the area.

3.3 Key Opportunities - Study Area

BUNGARY ROAD

- Consider options to slow traffic along Bungary Road.
- Establish improved connection between Mazlin Reserve and Norah Head Sports Ground.
- Increase and/or consolidate car parking.
- Consider a materiality consistent with the Village Centre including paving and planting.
- Potential for temporary closure of Bungary Road between Mitchell Street and Maitland Street for events.

MITCHELL STREET WEST

- Consistent material and planting to identify significance of Village Centre.
- Prioritise pedestrian movement across Mitchell Street and Bungary Road to Mazlin Reserve.
- Formalise car parking on south side of Mitchell Street.
- Wayfinding signage linking to Mazlin Reserve 'HUB' and beyond to other destinations.

MITCHELL STREET EAST

- Prioritise pedestrian movement.
- Provision of safe pedestrian crossings and consistent theming to connect the Village Centre with Mazlin Reserve.
- Opportunity for a viewing platform to terminate Mitchell Street.
- Formalise car parking.

MAZLIN RESERVE

- Mazlin Reserve to function as a base to inform visitors of the walking and cycle network and attractions within the Norah Head Precinct.
- Improved parking along Bungary Road, provision of amenities and information bay.
- Pedestrian and Cycle Access to the Village Center and other nearby destinations.
- Vegetation management to define views to Cabbage Tree Harbour.
- Manage vegetation to reduce vandalism.

CABBAGE TREE HARBOUR

- Improve access from Mazlin Reserve to the water.
- Improve access to the rock pool.
- Investigate the long term management of the rock pool and surrounds with increased demand.
- Improve legibility of the range of activities available within the Harbour.

SOLDIERS POINT DRIVE

- Opportunity for signage to direct traffic along Soldiers Point Drive as an exit route.
- Opportunity to narrow carriageway and improve on street parking.

NORAH HEAD SPORTS GROUND

- Sports Ground as a multi-purpose space suitable for sporting and cultural events.
- Consolidation of parking on perimeter.
- Maintain and improve pedestrian access to Mazlin Reserve and to Village Centre.

BUSH STREET RESERVE

- Bush Street Reserve to function as a secondary hub to inform visitors of various walks and destinations within the Norah Head Precinct.
- Formalise walking trails.
- Implement a way finding and interpretive signage system to promote cultural and historical local information along the route.
- Prioritise pedestrian and cycle movement between Bush Street Reserve and Young Street Reserve.

YOUNG STREET RESERVE

- Increase and consolidate parking located within Young Street.
- Improve connection between playground and Bush Street Reserve.
- Maintain existing character of the reserve.



Figure 5. Master Plan Principles

3.4 Materials and Theming

The design of Norah Head public domain will reinforce the unique elements of the surrounding landscape character to create a sense of continuity through the village and its surrounds.

Theming for the Norah Head public domain should incorporate materials and colours that allude to the character of the natural coastal environment. Colours and textures can be referenced in pavement colours and materials, signage, planting and furniture.

- Muted coastal colours and textures which reference the exposed cliff faces, rock platforms and beach sand.
- Blue and green colours which reflect the colours of the ocean and rich blue painting used at the base of the Norah Head Lighthouse. These colours will provide contrast to the muted coastal colours.

Material suggestions:

- Exposed aggregate concrete and textured patterns used for pavement treatments.
- Decomposed granite.
- Grey / recycled timber used in street furniture and signage.
- Continue the existing Council fencing provided along Bungary Road containing a low galvanised rail on timber sleepers.
- Blue / green colour palette used for signage to contrast with the muted coastal colours and stand out for easy way finding.
- Blue and greens to be reflected through plant species selection throughout the Study Area.
- Muted tones for playground equipment and surfaces to reflect natural elements



3.5 Plant Species

The Master Plan includes recommendations for planting of species suitable to the harsh coastal environment, in keeping with the existing natural character of the Site.

Plant species endemic to Norah Head have been dictated by the geology and salt laden relentless winds. The following recommended species are suited to the coastal conditions and existing landscape character of Norah Head.

Trees:

Banksia integrifolia subsp integrifolia (Coast Banksia)
 Banksia serrata (Old-man Banksia)
 Cupaniopsis anacardioides (Tuckeroo)
 Ficus macrophylla - (Morton Bay Fig)
 Ficus rubiginosa (Port Jackson Fig)
 Melaleuca sp. (Paperbark Tree)

Shrubs:

Correa alba (Coastal Correa)
 Leucopogon parviflorus (Coast-beard heath)
 Westringia fruticosa (Coast Rosemary)

Grasses and Groundcovers:

Carpobrotus glaucescens (Pigface)
 Dianella caerulea (Flax Lilly)
 Poa poiformis (Coast Tussock Grass)
 Lomandra longifolia (Mat Rush)
 Viola hederacea (Native Violet)



1

BACKGROUND

2

CONTEXT & ANALYSIS

3

VISION & OBJECTIVES

4

MASTER PLAN

5

IMPLEMENTATION



4.1 The Master Plan

Norah Head will remain a casual, low-key coastal village which is attractive, well connected and active with a focus on recreation, leisure and the natural environment.

The Master Plan has been developed based on a response to the findings in the detailed analysis and community consultation. A focus has been placed on the development of the Village Centre and connectivity throughout the Study Area.

The Master Plan has been divided into eight key projects.

PROJECT 1: VILLAGE CENTRE

Refer to Section 4.2



PROJECT 2: MAZLIN RESERVE

Refer to Section 4.3



PROJECT 3: VILLAGE GREEN

Refer to Section 4.4



PROJECT 4: CABBAGE TREE BAY

Refer to Section 4.5



PROJECT 5: BUSH & YOUNG STREET RESERVES

Refer to Section 4.6



PROJECT 6: CYCLEWAY

Refer to Section 4.7



PROJECT 7: INTERPRETIVE SIGNS & TRAILS

Refer to Section 4.8



PROJECT 8: STREETSCAPE IMPROVEMENTS

Refer to Section 4.9





Figure 6. The Master Plan



4.2 PROJECT 1: VILLAGE CENTRE



Improvements to the Mitchell Street Village Centre will ensure it becomes an inviting base for visitors to explore Norah Head.

- Streetscape improvements to define Village Centre including:
 - Street tree planting
 - Upgrade footpaths
 - Street furniture (seating, bike racks, bins)
 - Directional Signage
- Improvements to parking along Mitchell Street and Bungary Road.
- Increase opportunity for outdoor dining areas along Bungary Road.
- Strengthen visual links to the ocean through the selective removal of vegetation.
- Improve visual and physical links to Mazlin Reserve through signage and materials.
- Create a consistent design theme.

- ① Consistent pavement through the town centre.
- ② Consolidate car parking along Mitchell Street.
- ③ Provide street tree planting of a suitable tree species to provide shade and improve the amenity of the Village Centre.
- ④ Opportunity to create outdoor dining spaces along Bungary Road. Elevated location has potential views towards the ocean and will assist in identifying the village centre as an activity hub to visitors travelling into Norah Head along Bungary Road.
- ⑤ Proposed line marking along the southern side of Mitchell Street. Potential for angled parking in the future.
- ⑥ Opportunity to continue street tree planting along southern side of Mitchell Street.
- ⑦ Provision of street furniture within the Village Centre.
- ⑧ Angled car parking and street tree planting along Bungary Road.
- ⑨ Safe pedestrian access to Mazlin Reserve.



Figure 7. Village Centre Concept Plan

4.3 PROJECT 2: MAZLIN RESERVE



Mazlin Reserve will be an inviting open space and serve as a base for visitors to Norah Head and surrounding attractions.

- Create a hub at Mazlin Reserve to serve as an entry to Norah Head and starting point to surrounding attractions.
- Create clear links between the Village Centre and Mazlin Reserve.
- Strengthen views to the ocean.
- Provision of information to identify major attractions and walks throughout Norah Head.
- Incorporate amenities to encourage visitors to the space.
- District scale playground to be located in Mazlin Reserve.
- Consider free wifi to attract visitors to the village centre.

- ① Proposed formal parking area adjoining Mazlin Reserve on Mitchell Street.
- ② Viewing platform at end of Mitchell Street.
- ③ Create a formal space at the corner of Mitchell Street and Bungary Road with vertical sculptural elements and cycling rest area including bicycle parking, water fountain and bicycle repair equipment, to serve as an entry point to Norah Head and surrounding attractions.
- ④ Selective removal of vegetation will create visual links between the Village Centre and Mazlin Reserve / Ocean and reinstate open space.
- ⑤ Investigate options to stabilise the cliff along the eastern edge of Mazlin Reserve to reduce further land slip.
- ⑥ Proposed district scale playground in Mazlin Reserve located close to the Village Centre.
- ⑦ Amenities block located within close proximity to the Village Centre, playground and Village Green with passive surveillance from Bungary Road.
- ⑧ Shared pathway.



Figure 8. Mazlin Reserve Concept Plan

4.4 PROJECT 3: VILLAGE GREEN



Norah Head Sports Ground will be transformed into a formalised 'Village Green' defined by parkland tree planting.

The Village Green will retain its function as an open lawn area for passive recreation and sports, with large parkland trees providing shade and amenity to the space.

The Village Green would incorporate a multi use stage which would include services and amenities for community events such as markets, small concerts and a moonlight cinema.

- ① Define the space with tree planting to create a 'Village Green'. The addition of large parkland style trees around the edge of lawn will provide shade.
- ② Provide safe pedestrian connections to Mazlin Reserve.
- ③ Provision of vehicle barrier to double as informal seating around the perimeter of the sports ground.
- ④ Exercise station located in the south eastern corner of the sports ground.
- ⑤ Tree planting along the perimeter of the Village Green to provide shade and define the space. Suitable species to be selected to ensure views from residences are maintained.
- ⑥ Relocate existing amenities building and provide services for events. Inclusion of an outdoor stage. Provision of informal sandstone seating adjoining building.
- ⑦ Landscaping to screen infrastructure along Bungary Road
- ⑧ Provision of formalised car parking and street tree planting on the perimeter of the Village Green.
- ⑨ Formal seating under trees on the perimeter of the space overlooking the lawn.



Figure 9. Village Green Concept Plan

4.5 PROJECT 4: CABBAGE TREE BAY



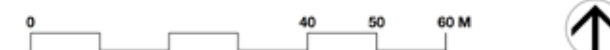
Cabbage Tree Bay is a popular recreation attraction of the region. Improved connections will enhance the function of the space.

Reduce existing conflicts between pedestrians and vehicles through off road pedestrian access to Cabbage Tree Bay.

Opportunity to increase car parking to provide easier access to Cabbage Tree Bay.



Figure 10. Cabbage Tree Bay Concept Plan



- ① Investigate opportunity to provide pedestrian friendly access to Cabbage Tree Bay from Bald Street Car park. Raised platform style to ensure bank is not eroded due to foot traffic.
- ② Upgrade the existing viewing platform off Bald Street Car park (Rossetti Lookout). Viewing platform to be wheel chair accessible, include seating and interpretive signage.
- ③ Improvements to existing rest area at the northern end of Bald Street car park.
- ④ Clear signage to Cabbage Tree Bay.
- ⑤ Provision of formal car parking on Maitland Street with clear signage to Cabbage Tree Bay.
- ⑥ Investigate opportunities to provide pedestrian access to Cabbage Tree Bay via Crown Land.
- ⑦ Shared pathway.
- ⑧ Consider CCTV cameras to deter anti-social behaviour.

4.6 PROJECT 5: BUSH & YOUNG STREET RESERVES



Young Street Reserve and Bush Street Reserve are popular open space areas. The master plan proposes small projects to improve the function of these spaces.



Figure 11. Young and Bush Street Reserve Concept Plan



- ① Create a node along shared pathway close to existing amenities and cafe with signage and information board. Provision of bicycle parking, water fountain and bicycle repair equipment.
- ② Provide footpath from Bush Street Carpark to Norah Head Nature Trail and Lookout. Create a clear entry to Norah Head Nature Trail / Lighthouse.
- ③ Upgrade existing car parking along Young Street.
- ④ Provision of safe shared pathway from car park to provide access to rock pool and Cabbage Tree Bay.
- ⑤ Large BBQ shelters with seating within Young Street to encourage informal gatherings.
- ⑥ Continue shared pathway along Bush Street to provide safe pedestrian and cyclist access to the Lighthouse.
- ⑦ Provision of paved area to accommodate outdoor dining.
- ⑧ Upgrade to existing playground.

4.7 PROJECT 6: SHARED PATHWAY NETWORK



A dedicated shared pathay network would significantly improve pedestrian connectivity and safety throughout the Study Area. Connections to existing regional cycleway would promote Norah Head as a key destination.



Figure 12. Shared Pathway Network Concept Plan

- ① 2.5 metre wide off road cycleway along Bungary Road from Wilfred Barret Drive to Soldiers Point Drive / Victoria Street.
- ② 2.5 metre wide off road shared pathway along Bush Street from Bungary Road to the Lighthouse.
- ③ 2.5 metre wide shared pathway through Young Street Reserve and along Victoria Street.
- ④ Extension of the shared pathway through bushland at the end of Bungary Road to connect to Soldiers Point Drive.
- ⑤ Cycling rest area in Mazlin Reserve to encourage visitors into the Village Centre. Rest area would include bench seating, bicycle racks, water fountain, air pump, bicycle repair station and map of the shared pathway network and key attractions.
- ⑥ Cycling rest area and map at Young Street Reserve to encourage cyclists into the town.

CYCLEWAY REST AREAS



Cycleway rest areas to incorporate infrastructure to encourage cyclists to stop in Norah Head. For example bicycle racks, bike repair station (air pump, tools etc.) drinking fountain / water refill.



CYCLEWAY NETWORK



Materials of the proposed cycleway and pedestrian network are to be in keeping with the design theme set out for Norah Head Village.

Signage to be incorporated into the cycleway network to assist in way finding through the village.



4.8 PROJECT 7: INTERPRETIVE SIGNS & TRAILS



The rich history and heritage of Norah Head will be interpreted through a network of interpretive heritage walks, signage and public art.

Investigate options for engaging public artists to develop place specific heritage interpretation items.

Detailed design of signage and public art to interpret local cultural and natural heritage.

Incorporate smart way finding catering for language barriers, vision impaired visitors.



Figure 13. Interpretive Signs and Trails

- ① Proposed directional signage at cycling rest area within Mazlin Reserve. Signage will provide clear legible directions to local attractions, via the heritage trails and shared cycleway network.
- ② Interpretation panel to be included at a viewing platform, to provide interpretive historic time lines / photos.
- ③ Proposed wayfinding network throughout the Study Area to include directional signage at both a pedestrian / cyclist and motorist scale. Direct visitors through the village and provide clear signage to key attractions.
- ④ Proposed interpretive trail through Mazlin Reserve to include public art and historical information.
- ⑤ Existing Headland Trail to include public art elements. Explore opportunities to improve existing viewing platforms.
- ⑥ Directional signage at cyclist rest area in Young Street Reserve.

4.9 PROJECT 8: STREETSCAPE IMPROVEMENTS

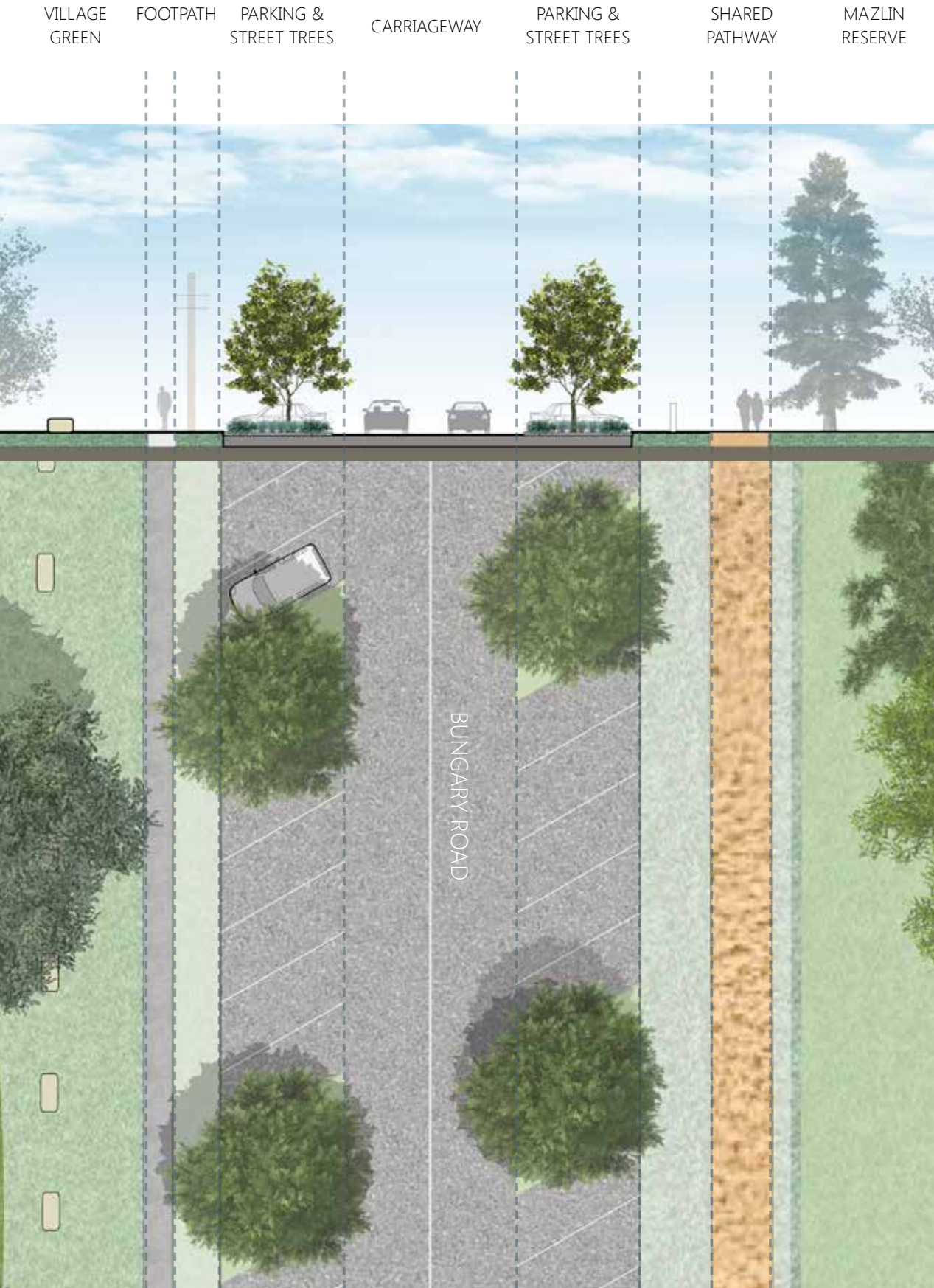


Pedestrian and cyclist friendly streetscape improvements will ensure increased safety, connectivity and activity within the Study Area.

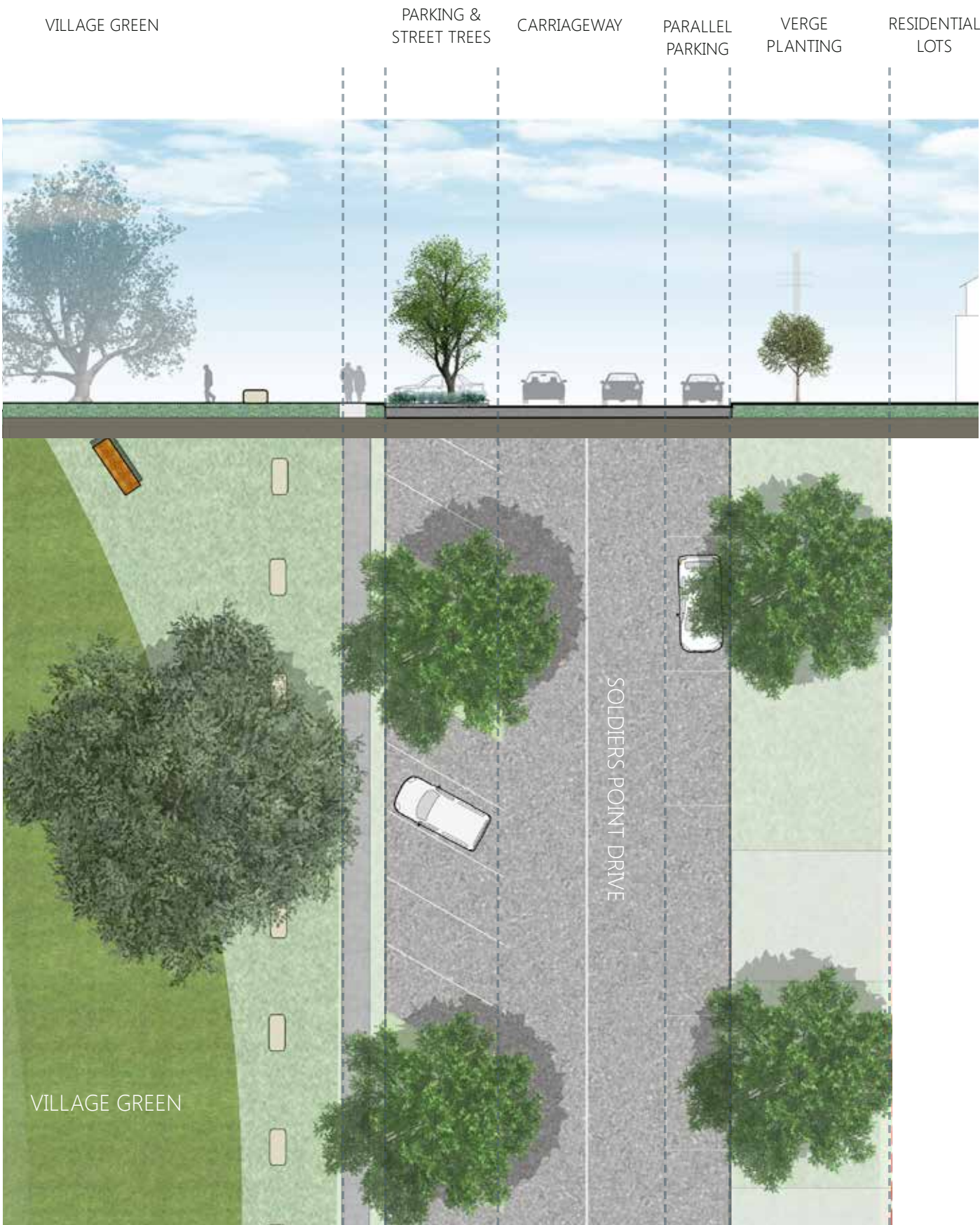
- ① Bungary Road - Refer to Detail 8A
- ② Soldiers Point Drive - Refer to Detail 8B
- ③ Mitchell Street - Refer to Detail 8C
- ④ Maitland Street - Refer to Detail 8D
- ⑤ Bush Street - Refer to Detail 8E
- ⑥ Young Street - Refer to Detail 8F
- ⑦ Victoria Street - Refer to Detail 8G



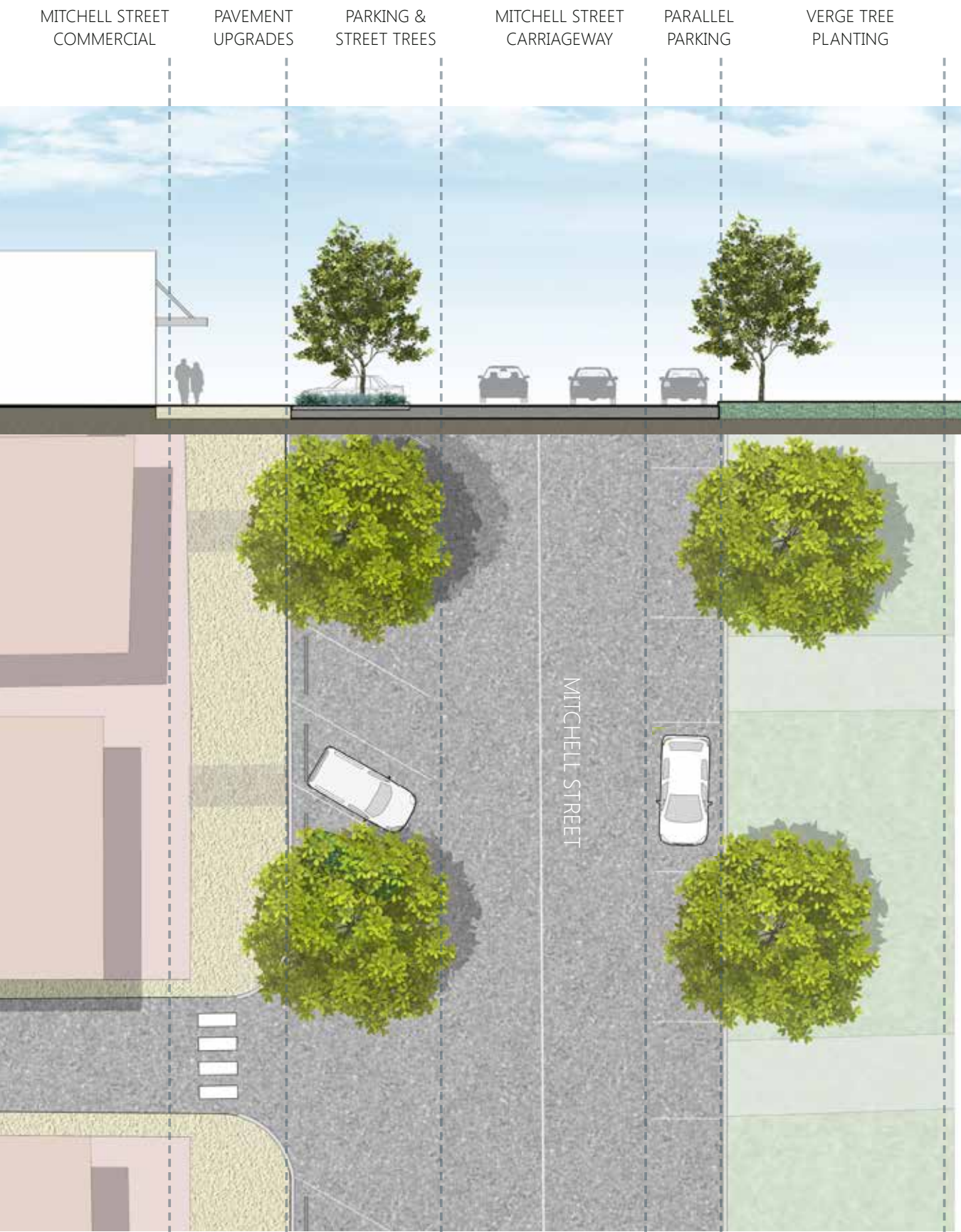
8A. Bungary Road - Streetscape Improvements



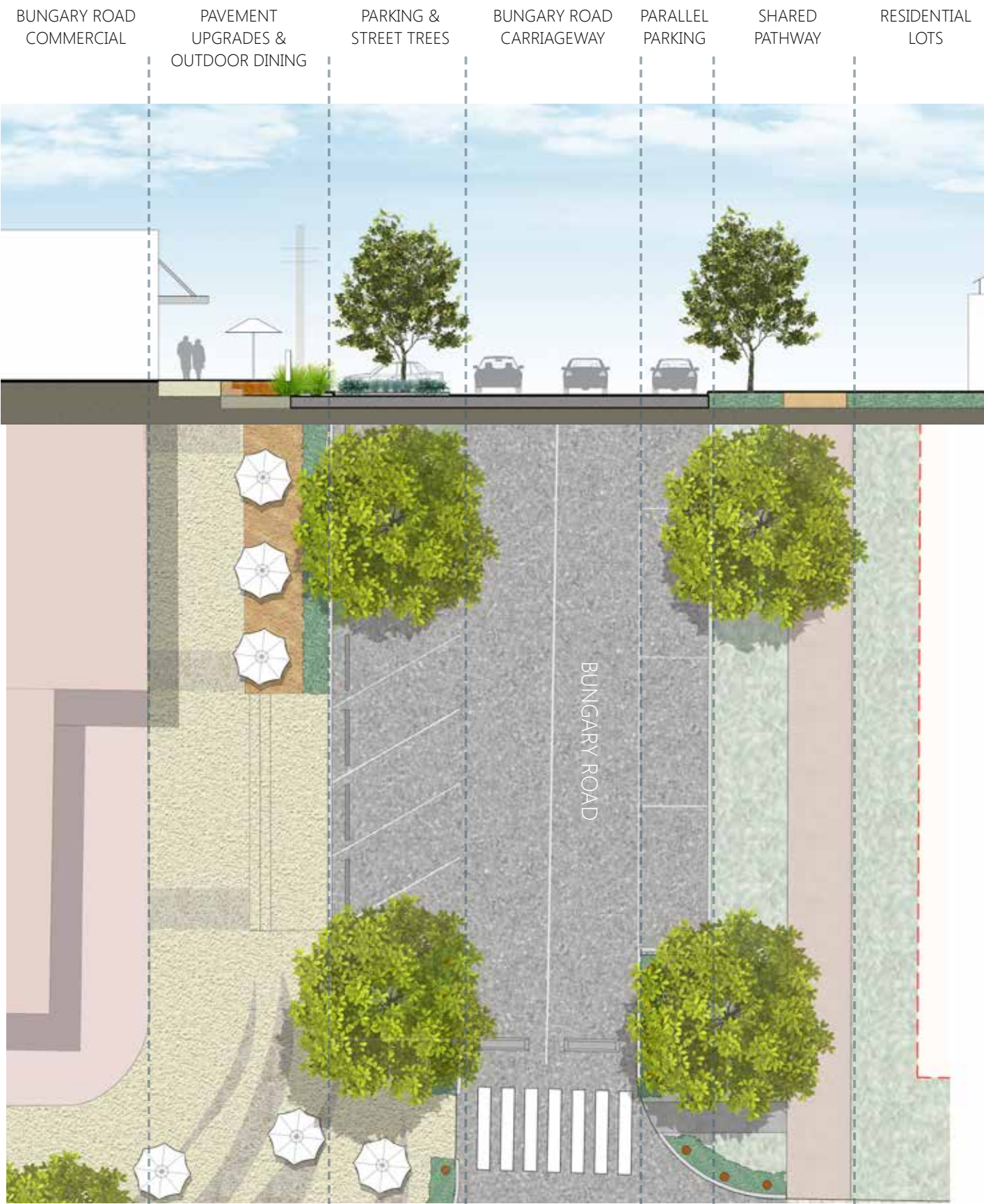
8B. Soldiers Point Drive - Streetscape Improvements



8C. VILLAGE CENTRE Mitchell Street - Streetscape



8C. VILLAGE CENTRE Bungary Road - Streetscape



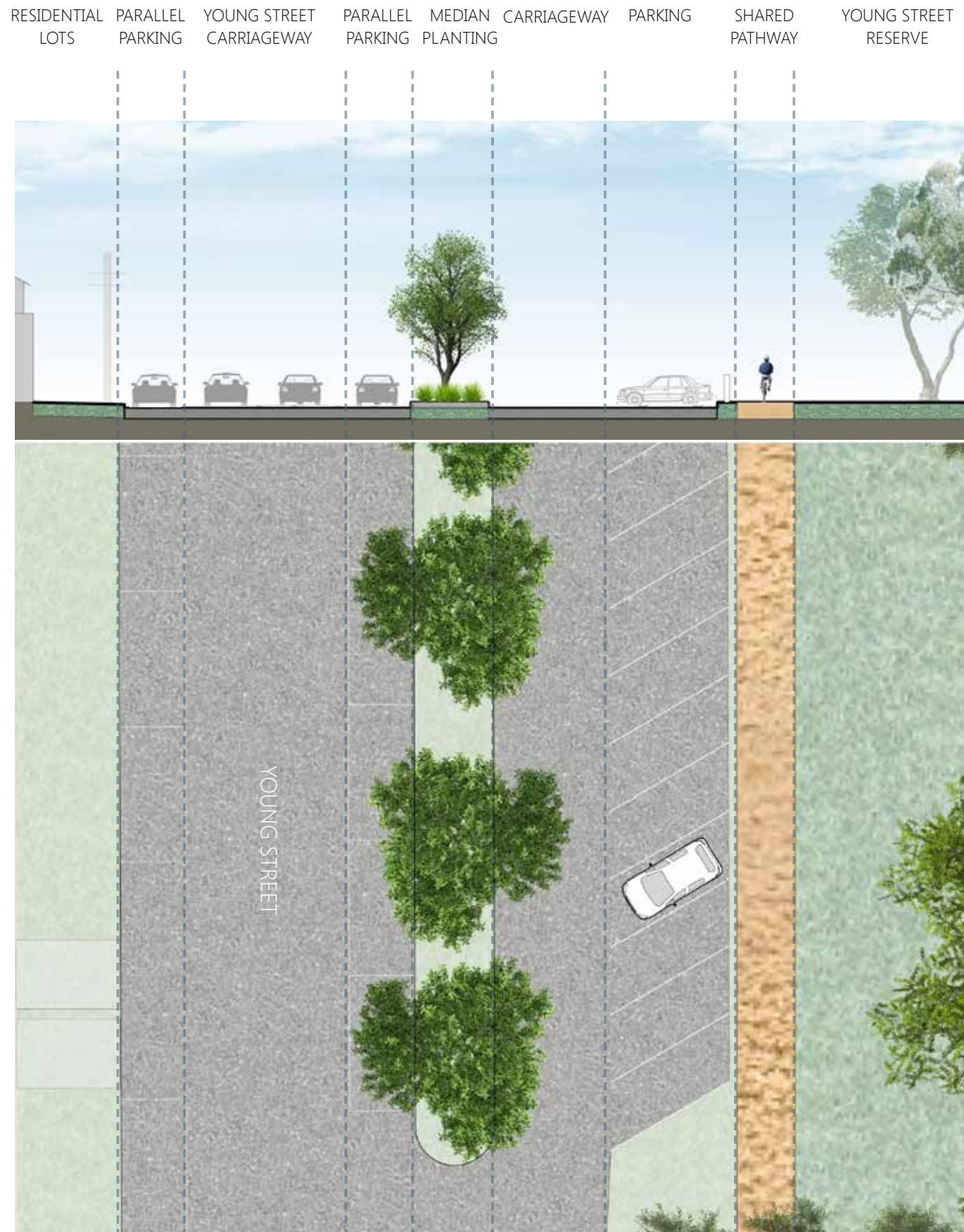
8D. Maitland Road - Streetscape Improvements



8E. Bush Street - Streetscape Improvements



8F. Young Street - Streetscape Improvements



8G. Victoria Street - Streetscape Improvements



1

BACKGROUND

2

CONTEXT & ANALYSIS

3

VISION & OBJECTIVES

4

MASTER PLAN

5

IMPLEMENTATION



5.1 Implementation Overview

In the Master Plan for Norah Head, a number of possible projects have been identified in response to the design principles. The projects have been summarised for each precinct and the following information has been provided:

PRIORITY

The relative importance of each key proposal. These have been assessed as either low, moderate or high priority based on feedback from stakeholders, and the key principles of the Master Plan.

PROBABLE COST


Probable costs for the major components of the Master Plan are provided to assist Council in establishing budgets and exploring sources of funding.

The probable cost to Council have been defined by the following categories:

- High: Greater than \$500,000
- Moderate: \$100,000 - \$500,000
- Low: Less than \$100,000


PROJECT 1:
VILLAGE CENTRE

Refer to Section 5.2



PROJECT 2:
MAZLIN RESERVE

Refer to Section 5.3




PROJECT 3:
VILLAGE GREEN

Refer to Section 5.4




PROJECT 4:
CABBAGE TREE BAY

Refer to Section 5.5




PROJECT 5:
BUSH & YOUNG
STREET RESERVE

Refer to Section 5.6



PROJECT 6:
CYCLEWAY

Refer to Section 5.7




PROJECT 7:
INTERPRETIVE
SIGNS & TRAILS

Refer to Section 5.8



PROJECT 8:
STREETSCAPE
IMPROVEMENTS

Refer to Section 5.9



5.2 PROJECT 1: VILLAGE CENTRE

POSSIBLE PROJECT	PRIORITY	PROBABLE COST	ACTION
1A. Public Domain Improvements	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<p>Undertake public domain upgrades to the Village Centre including consistent pavement treatment, installation of street furniture and street tree planting.</p> <p>Detailed plan to be prepared by Council.</p>
1B. Mitchell Street Upgrades	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<p>Reconfigure car parking along Mitchell Street, proposed landscaping. (Refer to Streetscape Upgrades).</p> <p>Refer to Detail 8C.</p>
1C. Outdoor dining spaces along Bungary Road	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<p>Create outdoor dining spaces along Bungary Road.</p> <p>Refer to Detail 1A.</p>
1D. Bungary Road Car parking	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<p>Provision of formal angled parking and street scape improvements along Bungary Road.</p> <p>Refer to Detail 1A.</p>
1E. Bungary Road / Mitchell Street Intersection	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<p>Provision of safe pedestrian links between Village Centre and Mazlin Reserve at the intersection of Mitchell Street and Bungary Road.</p> <p>To be investigated by Council.</p>

5.3 PROJECT 2: MAZLIN RESERVE

PROJECT	PRIORITY	PROBABLE COST	ACTION
2A. Mitchell Street Upgrades	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<div>Create a shared road and formalised car parking along northern end of Mitchell Street at Mazlin Reserve.</div> <div>To be investigated by Council.</div>
2B. Viewing Platform	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<div>Formal viewing platform at the end of Mitchell Street.</div> <div>To be investigated by Council and Crown Lands Department.</div>
2C. Pedestrian access to Cabbage Tree Bay	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<div>Investigate opportunity to provide direct pedestrian access to Cabbage Tree Bay from Mitchell Street.</div> <div>To be investigated by Council and Crown Lands Department.</div>
2D. Visitor Hub	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<div>Proposed formalised visitor hub.</div> <div>Detailed Plan to be prepared by Council.</div>
2E. Amenities Block	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<div>Proposed amenities building to be located within Mazlin Reserve.</div> <div>To be investigated by Council.</div>
2F. Vegetation Management Activities	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<div>Selective removal of vegetation and additional planting as nominated on the plans to achieve open space which has well defined views, canopy shade and clear sight-lines into and through public spaces.</div>
2G. District scale playground	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<div>Development of a district scale playground located within Mazlin Reserve.</div> <div>To be investigated by Council.</div>

5.3 PROJECT 2: MAZLIN RESERVE (Continued)

	PRIORITY	PROBABLE COST	
2H. Cliff Stabilisation	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<div>Investigate options to stabilise the cliff along the eastern edge of Mazlin Reserve to ensure further land slipping is prevented.</div> <div>To be investigated by Council and Crown Lands Department.</div>
2I. Frank Mazlin Memorial	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	<div>Permanent memorial for Frank Mazlin in Mazlin Reserve.</div> <div>To be investigated by Council.</div>

5.4 PROJECT 3: VILLAGE GREEN

PROJECT	PRIORITY			PROBABLE COST			ACTION
3A. Car Parking	H	M	L	H	M	L	Consolidate and formalise parking on perimeter of Village Green.
3B. Perimeter footpath	H	M	L	H	M	L	Formalise perimeter footpath and connections.
3C. Pedestrian Crossings	H	M	L	H	M	L	Provide safe pedestrian connections between the Village Green and Mazlin Reserve.
3D. Upgrade lighting	H	M	L	H	M	L	Upgrade existing lighting to encourage use of the Village Green. To be investigated by Council
3E. Furniture	H	M	L	H	M	L	Bench seating to perimeter of Village Green.
3F. Fitness station	H	M	L	H	M	L	Exercise station. Detail plan to be prepared by Council.
3G. Amenities Building and Services	H	M	L	H	M	L	Investigate opportunities to relocate amenities building, providing a stage and services in Village Green for temporary services during events, including electricity, water and sewerage, To be investigated by Council

5.5 PROJECT 4: CABBAGE TREE BAY

PROJECT	PRIORITY	PROBABLE COST	ACTION
4A. Maitland Street Car Parking	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	Provide car parking along Maitland Street with clear signage to Cabbage Tree Bay To be investigated by Council.
4B. Rest Area	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	Improvements to the existing rest area at the northern end of upper Bald Street car park (Rossetti Lookout) including picnic tables, landmark tree planting and bollards.
4C. Pedestrian Access to Cabbage Tree Bay	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	Explore opportunity to provide staircase access from upper Bald Street car park to Cabbage Tree Bay.
4D. Crown Land Pedestrian Access	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	Explore opportunity to provide pedestrian access to Cabbage Tree Bay through Crown Land. To be investigated by Council and Crown Lands Department.
4E. Viewing Platform Upgrades	<div><div>H</div><div>M</div><div>L</div></div>	<div><div>H</div><div>M</div><div>L</div></div>	Upgrade existing viewing platform, to be wheelchair accessible and include seating. To be investigated by Council.

5.6 PROJECT 5: YOUNG AND BUSH STREET RESERVES

PROJECT	PRIORITY			PROBABLE COST			ACTION
5A. Young Street Car parking	H	M	L	H	M	L	Formalise car parking along Young Street Reserve.
5B. BBQ Shelter	H	M	L	H	M	L	Provide large scale BBQ shelter in Young Street Reserve.
5C. Proposed footpath connections	H	M	L	H	M	L	Provide formalised walking tracks through Bush Street Reserve to connect to lookout and Lighthouse trail.
5D. Young Street Reserve cycleway	H	M	L	H	M	L	Extend cycleway through Young Street Reserve (refer to cycleway network plan).
5E. Pedestrian path	H	M	L	H	M	L	Provide shared cycleway / pedestrian path from Young Street Car park to connect to Bush Street Reserve.
5F. Rest area	H	M	L	H	M	L	Provide cycleway rest area at Young Street Reserve with an information bay map.
5G. Interpretive signage	H	M	L	H	M	L	Provide interpretive signage at entry to Lighthouse trail.

5.7 PROJECT 6: SHARED PATHWAY NETWORK

PROJECT	PRIORITY			PROBABLE COST			ACTION
6A. Bungary Road shared pathway	H	M	L	H	M	L	2.5m wide dedicated shared pathway along Bungary Road from existing cycleway at Den-nison Street to existing cycleway at Victoria Street.
6B. Bush Street shared pathway	H	M	L	H	M	L	2.5m wide shared pathway along Bush Street from Bungary Road to Norah Head Lighthouse.
6C. Young Street shared pathway	H	M	L	H	M	L	2.5m wide dedicated shared pathway through Young Street Reserve connecting proposed Victoria Street and Bush Street cycleways.
6D. Bungary Road shared pathway extension	H	M	L	H	M	L	Extend shared pathway through bushland at the end of Bungary Road and connect to existing cycleway on Soldiers Point Drive.
6E. Bicycle rest area	H	M	L	H	M	L	Bicycle rest area in Mazlin Reserve to include bench seating, bicycle racks, drinking water fountain, air pump and map of the shared pathway network and key attractions.
6F. Secondary bicycle rest area	H	M	L	H	M	L	Provide rest area at Bush Street with bicycle racks, drinking water fountain and information bay map.

5.8 PROJECT 7: INTERPRETIVE SIGNAGE AND TRAILS

PROJECT	PRIORITY			PROBABLE COST			ACTION
7A. Document History and Heritage	H	M	L	H	M	L	Engage historian to document local history. Including oral histories, photographs etc.
7B. Document Ecological significance	H	M	L	H	M	L	Documentation of ecological importance of the area and identification of information and sites to be promoted.
7C. Interpretive Signage	H	M	L	H	M	L	Detailed design of interpretive signage and public art as interpretive of cultural and natural heritage.
7D. Trail Network	H	M	L	H	M	L	Formalise pedestrian routes to promote awareness of local heritage items and information.
7E. Public Art	H	M	L	H	M	L	Commission of public art- further design of location of pieces to be undertaken.

5.9 PROJECT 8: STREETScape UPGRADES

PROJECT	PRIORITY	PROBABLE COST	ACTION
8A. Bungary Road	<div>H</div> <div>M</div> <div>L</div>	<div>H</div> <div>M</div> <div>L</div>	Street tree planting, parking re-alignment and kerb extensions on Bungary Road. Refer to Detail 8A
8B. Soldiers Point Drive	<div>H</div> <div>M</div> <div>L</div>	<div>H</div> <div>M</div> <div>L</div>	Street tree planting, angled parking, pedestrian footpath, kerb and guttering. Refer to Detail 8B
8C. Mitchell Street	<div>H</div> <div>M</div> <div>L</div>	<div>H</div> <div>M</div> <div>L</div>	Angled car parking, street tree planting. Refer to Detail 8C
8D. Maitland Street	<div>H</div> <div>M</div> <div>L</div>	<div>H</div> <div>M</div> <div>L</div>	Angled car parking, street tree planting. Refer to Detail 8D
8E. Bush Street	<div>H</div> <div>M</div> <div>L</div>	<div>H</div> <div>M</div> <div>L</div>	Shared Pathway. Refer to Detail 8E
8F. Young Street	<div>H</div> <div>M</div> <div>L</div>	<div>H</div> <div>M</div> <div>L</div>	Car parking, street tree planting. Refer to Detail 8F
8G. Victoria Street	<div>H</div> <div>M</div> <div>L</div>	<div>H</div> <div>M</div> <div>L</div>	Car parking, street tree planting. Refer to Detail 8G

Community Workshop One

Appendix A

1. Village Centre

Issues:

- Toilets in Mazlin Reserve have been removed.
- Toilets are available in shopping centre – however these are not publicly accessible.
- Issues promoting businesses resulting in vacant shop front which make the Village Centre appear run down.
- Lack of consistency with shop types within small area.
- Town Centre was originally located closer to the boat ramp/Ark Cafe – shops have since closed and Mitchell St has become the hub.
- Speed and volume of traffic impacts the relaxed character of the Village Centre.
- Lack of promotion of tourism value.
- Lack of pedestrian pathways / shareways.
- Lack of lighting.
- Poor wheel chair and pram access. Need to improve, especially near swim centre and medical centre.
- Concerns about viability of increased retail. Prefer consolidation of current retail space.
- Lack of clear signage that helps to theme village character.
- Lack of well defined street frontage and theme for the village.

Opportunities:

- Signage that directs to key attractions and shops. Possibly on Bungary Road.
- Maintain built form to a maximum of 2 storeys.
- Keep Norah Head as a small ‘quaint’ area.
- Limiting dramatic change as it may affect the ‘Village Charm’ and character.
- Replacement of previous toilets in Mazlin Reserve.
- Access to the ocean from Mitchell St through Mazlin Reserve was highly anticipated.
- Traffic control will enhance the Village Centre's character.
- Removal of introduced plant species from surrounding area.
- Possibilities for retail improvements through landlord incentives to take on tenants and identifying best use for outlets – Council subsidy plan and remix of uses.
- Potential for temporary improvements to vacant shops - ie. use space / windows for tourist information.
- Immense amounts of Aboriginal culture and heritage, these could be emphasized in theming the village centre.
- Provide street trees within Village Centre. Promote Norah Head as a ‘green village’.
- The Village Centre should be used as a central hub which connects to the other precincts.
- Opportunity to include cycle racks and street furniture to attract cyclists and pedestrians to Village Centre.
- Provide angled parking so the road is narrowed to slow cars and more parking is available.

2. Open Space

Issues:

Mazlin Reserve:

- Cliff on the eastern edge of Mazlin Reserve is unstable and is very dangerous.
- Mazlin Reserve trees consume the open space and screen ocean views. Locals believe this is why the space is under utilised.
- Playground is inadequate - no fencing and limited play equipment.
- Rabbits are frequently spotted in this park.
- Unsafe – lack of lighting, high planting blocks views, unstable escarpment.
- Vandalism to trees within the reserve.
- Unsafe connections between the Village Centre and Mazlin Reserve.
- Lack of amenities such as picnic tables, BBQ shelters etc.

Sportsground:

- No existing toilets at or near the Sports ground.
- Sewerage treatments and firemen practice limits spatial quality.
- Undesirable pump station located in Sportsground – originally located along beachfront.
- Currently the designated helipad landing zone. Should this be moved or retained? Possible other places for its location?
- Concrete slabs used for certain events have caused clashes with usage.
- Balls breaking residents’ windows
- Vehicles doing burn outs on grass fronting Bungary Street.
- Lack of space for passive recreation.
- Lack amenity and shelter.
- Need to link community hall to oval space.

- Bush Street Reserve / Young Street Reserve used for picnics and weddings - lacks necessary amenities.

Opportunities:

Mazlin Reserve:

- Investigate measures to stabilise embankment to ensure safety to visitors to Mazlin Reserve and Cabbage Tree Bay.
- Reinstate shower and toilet facilities in Mazlin Reserve.
- Addition of viewing platforms and possibly steps along escarpment between Mazlin Reserve and Cabbage Tree Bay.
- Addition of BBQ shelters and picnic tables to area.
- Upgrades to playground.
- Link to beach below directly would help village centre and recreational linkage.
- Natural bush should be preserved – replacement of dead trees with suitable species.

Sports Ground:

- Used for training, by local youth and dog walkers.
- Sports training – used primarily as a wet oval (when other fields flood, this park dries quickly due to sandy soils) Often occurs between 3-6pm.
- Opportunities for multi use sports – football, hockey etc.
- Wide-open space is excellent for kites.
- Other events include “Gathering of the Clans”.
- Possible additional events include markets.
- Potential to create more formalised facilities (ie. goal posts, line marking etc.)
- Suggestions for a rotating coastal venue market which incorporates some of the neighbouring coastal towns.
- Attract user groups such as vintage car fairs etc.
- Use Lawson Lane reserve as additional space.
- Extend into main road to create a less straight and speed-inducing main road.

Bush Street Reserve / Young Street Reserve:

- Addition of amenities for weddings/events/picnics.
- Currently very popular spaces, opportunity to capitalise on the frequency of visitors and provide signage to nearby attractions.

3. Pedestrians and Cyclists

Issues:

- Snakes are a concern.
- Lack of connection between Mazlin Reserve, Village Centre and Cabbage Tree Harbour.
- Lack of signage and wayfinding.
- There is some existing but under utilised access through the bushland – may be expanded upon.
- Cycling occurs mostly in smaller streets, rather than along direct routes.
- Bungary Rd and Soldiers Point Dr lack defined pedestrian routes, people walk on the road. This clashes with speeding traffic.
- Lack of pedestrian crossings.
- Public access through Crown Land (Marine Rescue) is allowed during daylight hours, however this is relatively unknown to the general public.
- No cycleway currently links surroundings into Norah Head.
- Christmas period is a peak period – traffic pressures on Bungary Road during busy times.
- Bush St towards lighthouse is dangerous for pedestrians – low visibility around bends.
- Access to Cabbage Tree Harbour currently exists only through sloped roads – opportunity for pedestrian access routes.
- Unstable edge of Mazlin reserve is a danger to visitors to the park and Cabbage Tree Bay.
- Limited wheelchair and pram access to Bay and Rockpool.
- Lack of connection between the local precincts.
- Lack of pedestrian footpaths and safe crossings.
- Lack of efficient access to the waterfronts - particularly from the Village Centre.
- People often getting lost in the bushland west of the Holiday Park.

Opportunities:

- Walkway towards lighthouse is great – maintained by Landcare volunteers.
- Potential for more bushwalking tracks throughout the Norah Head area.
- Possibility for formalised tracks between beaches, which offer high views over the ocean.
- Possibility of tracks to the quarry (in bushland to the north of the Study Area).
- Walkways from Cabbage Tree Harbour to Jenny Dixon Beach – existing ‘track’ is in poor state. Good views from upper cliff between these beaches.
- Mazlin Reserve is essential to creating a connection between Village Centre and Cabbage Tree Harbour.
- Track through to historical quarry site & Aboriginal land behind Pebbly Beach.
- Large expanse of bushland and wildflowers west of Holiday Park may be suitable for additional walking tracks.
- Pedestrian crossings at major thoroughfares.
- Additonal footpaths between;
 - Holiday Park & Cabbage Tree Harbour
 - Mitchell St & Cabbage Tree Harbour
 - Soldiers Point Dr & Cabbage Tree Harbour
 - Bush St Reserve & Lighthouse
- Access to beach south of Lighthouse.
- Cliff top walk between Lighthouse & Pebbly Beach.
- Addition of safe pedestrian crossings – specific requirement along Mitchell St and Village Centre.
- Kerb & gutter and share path on Bungary Rd and Soldiers Point Rd.
- Signage (wayfinding) required along walkways.
- History/cultural information boards/sculpture on walks.
- Very wide shareways in keeping with the type of leisure cycling that occurs.

4. Regional Attractions

Issues:

- Requires dredging.
- Rockpool - recommended for expansion.
- Boat Ramp - few remaining in area, must be maintained.
- Summer and Easter are generally busy.
- Cafes/Restaurants – Cafe at Soldier’s Park requires a bigger facility & windbreaks.
- Quarry – currently closed for vegetation rehabilitation. Used as dog park, for views and motorbikes. Has historical significance.
- Norah Head can not support more major events. Concerns regarding loss of site’s character at the expense of extensive tourism.
- Bird Island – Currently inaccessible – historically used as for bombing practice.
- Lack of connection between these precincts and very poor signage.
- Sea wall currently limited to the northern end of Cabbage Tree Bay. wall in Cabbage Tree Bay.
- Cabbage tree bay is a significant attraction, however the instability of the cliff is a major safety concern.
- Access to the Quarry is currently closed for vegetation rehabilitation.

Lighthouse:

- Access hidden away.
- Poorly signposted.

Opportunities:

- Lighthouse Historic value of Lighthouse.
- Winch located east of Rockpool could be recognised as significant.
- Snorkling/Diving/Fishing.
- Quarry has historical significants and could be better integrated with signage and walking links.
- Possibility of farmers markets in sports ground.
- Captains Cottage (north of Cabbage Tree Harbour) provides views to ocean.
- Aboriginal Midden located on cliff edge between Pebbly Beach & Soldiers Beach.
- Rock Pool is a regional asset – more usage than beach.
- Soldiers Beach is an iconic surf beach.
- Popular wedding ceremony location – could be further enhanced with amenities in reserves/open space.
- Interesting ship wrecks close by.
- Areas can be slated as conservation areas to preserve them for the future whilst they remain currently undeveloped.
- Link to regional walking tracks and reserves such as Wyrabalong.
- Links to wildflower displays to west; create walks and mountain bike trails linking existing resources.
- Additional play equipment at cabbage Tree Bay to cater for family demographic.
- Red Gum Forest EEC surrounding; great ecological and educational link opportunity.
- Quarry site has historical importance and correlates with Pebbly Beach to the south.

Lighthouse:

- Additional seating and viewing platforms.
- Links with walks through bushland possible. Particularly Aboriginal heritage items/locations.

Issues:

- People have made their own “slow down” / “family area” etc signs in an attempt to mitigate speeding.
- Bungary Road is dangerous, fears there will be an accident.
- Wide roads of Bungary and Soldiers Point facilitate speeding issue - including drag races and burn outs.
- Parking lots close to Soldiers Beach attract unwanted uses at night – currently locked after hours.
- Central Coast Highway / Bungary Road intersection lacks turning lanes.
- Central Coast Highway / Bungary Rd traffic build up during busy periods.
- Central Coast Highway is dangerous for pedestrians - may currently prevent pedestrians and cyclists crossing to Norah Head from the west.
- Lack of disabled parking needs to be addressed.
- Increased parking required closer to Cabbage Tree Bay.
- Parking currently overflows onto Bungary Road (infront of Mazlin Reserve).
- Minimal boat and trailer parking at ramp.
- 4WD driving on escarpments around the beaches causing erosion.
- Speeding traffic in early morning and afternoon as people enter Norah Head to check the surf.
- Public transport limited to bus service, under utilised.

Opportunities:

- Parking needs to be formalised throughout area.
- Street signage for direction to attractions.
- Kerb and gutter along the length of Bungary Rd and Soldiers Point Drive.
- Continual Roads – Roads that circulate through and out of Norah Head – possibly past Soldiers Beach SLSC.
- Suggestion of introducing a night bus / shuttle from Soldiers Beach SLSC into Norah Head.
- Bungary Rd & Soldiers Point Dr serve as a nodal point. Promote Bungary Road as access to Village and Soldiers Point Drive to Beach.
- Central Coast Highway/Denison St intersection serves as a secondary entrance point.
- Extend parking along Bungary Rd near Mazlin Reserve and Sportsground.
- Addition of planted roundabouts at intersections to limit speeding along Soldiers Point Drive and Bungary Road.
- Mitchell Street South requires kerb and guttering and angled parking.
- Marked parking would be beneficial along Maitland Street. Bush Street upgrade works well, opportunity to undertake similar treatment on Maitland Street.
- Addition of southern access route to Norah Head – possibly via Soldiers Beach SLSC.
- Additional pedestrian crossings and pedestrian islands to mitigate speeding and increasing pedestrian access.
- Opportunity for a ‘drop off zone’ at the end of Bald Street.

Issues:

- Limited views to Cabbage Tree Harbour exist from Mazlin Reserve.
- Existing vegetation within Mazlin Reserve currently screens coastal views.
- Poor quality plantings around the area.
- Lack of clear signage to direct to key view points and attractions.

Opportunities:

- Solider Point Rd and Bungary Rd are great view corridors.
- Increasing visual connections from the Village Centre and Sports ground to the water through Mazlin Reserve.
- Incorporate street tree planting which is sensitive to the visual links (ie. tall trunks.)
- Some residents emphasized no gum grees and no pines.
- Ensure proposed tree planting maintained to assist in preventing vandalism.
- Provide wharves along water’s edge.
- Viewing platforms and walkway between Cabbage Tree Harbour and Jenny Dixon Beach.
- Signage with information about history, aboriginal culture, fauna and flora.
- Photography is a major draw card. Opportunity to create a ‘view walk’ which identifies key view locations.
- Bushland entry to Norah Head should be maintained.

Issues:

- Slipping of land along the eastern edge of Mazlin Reserve prevents access down to the beach from the Village Centre.
- Rock Pool is currently too small.
- 4WD causing erosion along the escarpments around the beaches.
- Lack of links to close by regional features such as Red Gum forests, native wildflowers etc.
- Degradation to dune systems.
- Rubbish concerns.

Opportunities:

- Investigate methods to assist in stabilising land on the eastern edge of Mazlin Reserve to ensure safety of people using Cabbage Tree Bay.
- Expanding the Rock Pool.
- Creating easier access to the Rock Pool with disabled access.
- Link surrounding walks, mountain bike tracks etc into Norah Head making it a hub for the area.
- Link village centre directly to beach via Mazlin Reserve
- Identify conservations values. No development to occur within areas of significance.
- Formalise pathways through bush and dunes to enable reestablishment of vegetation.
- Rock shelf ecologies require preservation.
- Promote the numerous bush walks in the local area (ie. Littoral Rainforest.)
- Number of bushwalking clubs frequently use Norah Head as a base.

Issues:

- Heritage information too concentrated and hard to find.
- Local stories are untold.
- No interpretive signage or artworks.
- No link of history into other elements of the Village Centre, currently stands separately.

Opportunities:

- Norah heads history includes dairy farming, potato farming timber, aboriginal significance, sand mines, coal mines and surfing.
- Gravel was mined from Pebble Beach and transported out from near one of the north facing beaches - Industrial remanent are still there.
- A local grew up on the beaches because he's family was too poor to afford a house. Currently lives on Maitland St or Solider Point Rd right by the Sportsground.
- One of the longest resident of Norah Head currently live on Solider Point Rd and should have old photos of Norah Head.
- Aboriginal significant sites are located within adjacent bushlands. Opportunity to create walks that link to important sites and explain their meaning and importance.
- Ship wrecks in area off the coast of diving interest and possible tourism benefit.
- Fishing history of piers and use of Cabbage Tree Bay; potential for signage, artworks etc.
- Historic winch located close to rockpool.

Community Workshop Two

Appendix B

1. VILLAGE CENTRE

- Angle parking on both sides of Mitchell St.
- Concerns regarding in parking tree placement.
- Coastal village feel to be retained - similar to Brunswick Heads.
- Village centre upgrades considered to be a priority.

2. SPORTS GROUND

- Dislike of event space layout and impact on existing passive recreation space.
- Possible consolidation of event space along Northern-most area.
- Possible moving of event space to Southern Mazlin Reserve.
- Removal of central pathway.
- Placement of pathways along periphery of site.
- Provide seating on the edge of the sports ground.
- Possibility of placing exercise equipment along major share ways for joggers
- Lots of ill-will toward council for the incomplete community consultation taken for the placement of the new concrete slabs on the site.
- Residents are concerned with the loss of open space in general and are wary of the loss of large scale unprescribed spaces.
- Concerns were raised about the language used. i.e, need to define what 'events' are.
- Residents felt that economic value was the only measure being applied to the open space as it currently stands.
- Potential to relocate community centre closer to the sports ground.
- Screening of sewer pump station.
- Street trees blocking views for neighbours on western side of Soldiers Point Drive.

3. MAZLIN RESERVE

- Opportunity for access directly to Cabbage Tree Bay north of Crown Land.
- Possible visual links through from village centre to this access route.
- Possible viewing platforms along access route.
- Major concerns about the potential for damage to any works being undertaken in Mazlin Reserve due to land slip issues. This needs to be resolved as a priority before any works are undertaken.
- Need for an improved toe-wall to prevent further land slip and erosion.
- Amenity building is in line with a proposal made by the residents two years previous.
- Ensure graffiti and vandalism deterrents are explored.
- Removal of over-vegetated areas separating north and south Mazlin, create an open parkland setting similar to Young & Bush Street Reserves.

- Playground needs slides.
- Playground needs to be fenced off due to the close proximity to Bungary Road.

4. CABBAGE TREE BAY

- General feeling that this will be a regional asset into the future and that amenities need to match that.
- More toe wall discussion; this is a really big issue for residents. Lots of soil was removed in the latest storm event.

5. BUNGARY ROAD

- Slowing traffic and creating safe pedestrian connections along Bungary Road is a priority for Norah Head.
- Consideration of the entry to Norah Head off Wilfred Barret Drive.
- Concerns regarding street tree impact on building views and shade.
- Species selection to limit size.
- Still the concern that raised thresholds will have the same noise effect as speed humps.
- Shareway along Bungary is difficult for young cyclists due to hill - possible addition to Soldiers Pt Dr is an easier cycle route.
- Continue cycleway along Victoria Street and connect to existing cycleway which continues onto to the SLSC.

6. SOLDIERS POINT ROAD

- Need to mirror the interventions made on Bungary Road or it will simply move traffic across to this road.
- In general there was support for the formalization of parking and planting zones.
- The majority of pedestrians use Soldiers Point Drive as opposed to Bungary Road due to the topography.
- Continue pedestrian footpath along Soldiers Point Drive to connect to cycleway.
- Ensure views from residences on Soldiers Point Drive are not obstructed by street trees.