

1. WORKS REPORT

Author	Director Infrastructure and Engineering Services
Responsible Officer	Director Infrastructure and Engineering Services
Link to Strategic Plans	CSP – 4.3.4 Ensure Council's property assets are monitored and well managed

Executive Summary

This report provides information regarding works undertaken for the given period in regards to both operational and capital works.

Report

The Works Report (see Attachment No. 1) for the period 6 October 2018 to 9 November 2018 is presented to Council for their information.

Financial Implications

Council has provision for these services in its 18/19 Operational Budget.

Legal and Regulatory Compliance

Local Government Act 1993
Roads Act 1993

Risk Management Issues

Roads Hierarchy

Internal/External Consultation

Nil

Attachments

Works Report

RECOMMENDATION

That the information be noted.

2. STATE SIGNIFICANT INFRASTRUCTURE PROJECT UPDATE: INLAND RAIL

Author	Executive Manager Planning
Responsible Officer	Director Infrastructure and Engineering Services
Link to Strategic Plans	CSP – 4.4.2 Lobby and advocate for major infrastructure and issues for the Shire that are backed by sound research DP – 4.4.2.1 Represent the community's interests and lobbying on topics of significant impact to the Shire DP - 4.4.2.2 Prepare submissions and lobby for community interests as required

Executive Summary

This report provides information to Council on the State Significant Project of Inland Rail and the status of both sections of the infrastructure project.

Report

Parkes to Narromine (P2N)

The Parkes to Narromine (P2N) section of Inland Rail (via the existing rail corridor) was approved by the NSW Department of Planning and Environment (DPE) on the 7 June 2018. The approval included a significant number of conditions that must be met by ARTC prior to commencement of construction including additional consultation with Council and landowners.

As a result, Council staff have received a number of Construction Environmental Management Plans relating to the following key areas:

1. Traffic, transport and access;
2. Noise and vibration;
3. Flora and fauna;
4. Air quality;
5. Soil and water;
6. Flood emergency management; and
7. Site establishment management.

Council has completed a review and submitted a formal response to ARTC on these plans. No significant concerns have been raised in the response on the basis that the conditions of approval contain restrictions to support initial concerns and the management, and mitigation of impacts is required through-out the project.

The conditions of approval also include the need to develop a Flood Design Report which is to be independently reviewed and endorsed by a hydrologist appointed by DPE. Modelling of flood impacts have been undertaken by ARTC and as the existing rail must be raised to achieve above the predicted 1 in 100 year (1%) flood event, a number of culverts along the rail alignment must also be upgraded to support the flood modelling predictions.

2. STATE SIGNIFICANT INFRASTRUCTURE PROJECT UPDATE: INLAND RAIL (Cont'd.)

It is important to note the conditions of approval include significant restrictions on the level of flood impacts on neighbouring lands and any upgrades within the rail line must not significantly impact any adjoining land, including Council's assets, beyond the thresholds set by the approval.

Council have recently met with concerned landowners regarding a section of under-rail culverts adjacent to Peak Hill Railway Road. Due to these concerns, this area is will be highlighted in the independent review of the Flood Design Report. Currently, Council is awaiting confirmation that the Flood Design Report, including culvert placement is endorsed by the independent hydrologist or if modifications are required to be made.

Council has also received the 100% construction designs for upgrades to the existing Public Level Crossings which is currently under review. Endorsement is required prior to the commencement of these works.

Narromine to Narrabri (N2N)

The Narromine to Narrabri (N2N) is currently undergoing environmental investigation works and site analysis to determine the specific alignment and assess the impacts of the project. ARTC have applied and obtained from DPE the Secretary's Environmental Assessment Requirements (SEAR's), dated 28 September 2018 outlining the information and specialist reports required to be submitted.

Council submitted a submission raising a number of key issues for ARTC to consider in their investigations and to provide additional information in the Environmental Impact Statement to be lodged under the formal application process to DPE.

Once the Environmental Impact Statement and associated studies have been prepared, Council will again have opportunity to provide a submission response and confirm if previous concerns have been addressed by the application.

Council have recently been contacted by ARTC contractors undertaking works relating to geotechnical investigation and traffic counts required to be undertaken on road networks including:

- Tomingley Road, south of Craigie Lea Lane
- Mitchell Highway, east of High Park Road
- Dappo Road, west of Wallaby Road
- Eumungerie Road, south of Euromedah Road
- Dubbo-Burroway Road, west of Eumungerie Road
- Cobboco Road, west of Collie Road
- Collie Road, west of Old Mill Road

A permit has been issued to enable the geotechnical investigations to be completed in accordance with Council's standard procedure for works within Council's Road Reserve.

2. STATE SIGNIFICANT INFRASTRUCTURE PROJECT UPDATE: INLAND RAIL (Cont'd.)

Lastly, there is a requirement for the establishment of a Community Consultative Committee (CCC) for N2N whereby DPE appoints a Chairperson and the Chair seeks nominations for technical planning and engineering representatives of Council along with local community members. The CCC has not been formally announced but it is expected that this process will be completed shortly and a meeting of the CCC will immediately follow. The Chair has been announced by DPE as Michael Silver who has significant experience in infrastructure projects and the approval process.

Financial Implications

Nil

Legal and Regulatory Compliance

Environmental Planning and Assessment Act 1979
Environmental Planning and Assessment Regulation 2000
Roads Act 1993

Risk Management Issues

Nil

Internal/External Consultation

Nil

Attachments

Nil

RECOMMENDATION

That the information be noted.

3. CALE OVAL CONCEPT PLAN

Author	Recreational Services Supervisor
Responsible Officer	Director Infrastructure and Engineering Services
Link to Strategic Plans	CSP – 1.1.4 Promote services and provide facilities that foster healthy lifestyles CSP - 1.1.5 Recognise the importance and consider resources needed to maintain open spaces, to encourage greater use by the community

Executive Summary

This report presents a draft concept plan for the future development of the Cale Oval precinct for placement on public exhibition for comment.

Report

At Council's Ordinary Meeting on the 8th August 2018, the Sport and Recreational Services Master Plan 2018 was adopted.

Within the master plan is an action item to:

“Prepare strategies for major sporting precincts to be multi-functional and of a high standard to attract higher usage for both sport and special events”

In response to this action, Council engaged Moir Landscape Architecture firm to develop a design for the Cale Oval sporting precinct.

Two workshops have been conducted with sporting clubs who utilise the grounds to identify their future wants and needs, gain long term ideas for the development of their sport, and facilitate a design which balances the varying needs of all clubs.

The feedback from these workshops was collated by the Moir Landscape Architecture team and the draft concept plan developed.

The draft concept plan was developed with consideration of the following objectives:

- Creation of a multifunctional park
- Adaptable spaces
- Coordinated clubs
- Expand and improve infrastructure
- Enhance landscape
- Improve accessibility
- Improve visitation
- Long term sustainability

The concept plan is staged to allow for identification of potential funding opportunities, as well as prioritising needs and community demand in a logical way to ensure the infrastructure is developed in a way that allows the next scope of works to be completed with minimal disruption.

3. CALE OVAL CONCEPT PLAN (**Cont'd**).

Financial Implications

The final concept plan will be utilised in funding applications to establish a methodical and planned approach to improvements and usage which has been through a community consultation process.

Legal and Regulatory Compliance

Nil

Risk Management Issues

Nil

Internal/External Consultation

Consultation has been undertaken with the primary users of the Cale Oval precinct to ensure that the plan meets the existing and future needs of their sport. Further consultation may be required at a time when funding becomes available for each stage of the plan.

Attachments

Draft Cale Oval Concept Plan (Attachment No. 2).

RECOMMENDATION

That the draft Cale Oval Concept Plan be adopted and placed on public exhibition for 28 days.

Attachment No 1

	<p>MONTHLY WORKS REPORT</p> <p>Friday, 9 November 2018</p>	<p>Infrastructure and Engineering Services Narromine Shire Council Tel: 02 6889 9999 Fax: 02 6889 9998 mail@narromine.nsw.gov.au</p>
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*Road and Park users are to proceed with caution at all work sites and observe work signs to ensure safety.
Speed zones are enforceable with possible short delays.
For all enquiries, please contact Council's Infrastructure and Engineering Services Department on 6889 9999.*

URBAN – Narromine, Trangie, Tomingley

<p>Various Streets (Narromine)</p>	<p><u>Capital:</u> Urban capital work in progress or completed on during the month of October: - Dandaloo Street Shoulder repairs;</p> <p><u>Maintenance:</u> Routine Maintenance Programs;</p>
<p>Various Streets (Trangie)</p>	<p><u>Maintenance:</u> Routine Maintenance Programs;</p>
<p>Various Streets (Tomingley)</p>	<p><u>Maintenance:</u> Routine Maintenance Programs;</p>

UNSEALED ROADS NETWORK

<p>Various Unsealed Roads</p>	<p><u>Capital:</u> Re-sheeting in progress or completed during the month of October: - Boggy Plains Roads;</p> <p><u>Maintenance:</u> Maintenance Grading in progress or completed during the month of October: - Papworth Lane; - Wyanga Road; - Foremans Lane; - Farrendale Road; and - Ceres Siding Road;</p>
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SEALED ROADS NETWORK

<p>Various Sealed Roads</p>	<p><u>Capital:</u> Capital Work in progress or completed during the month of October: - Culvert upgrade & road rehabilitation on MR572 Eumungerie Road; and - Tom Perry Drive;</p>
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WATER AND SEWER

<p>Narromine</p>	<p>Level 2 water restrictions continue in Narromine, in accordance with the odds and evens scheme. Contractors have completed drilling and development of the replacement Bore 3 and staff have commenced construction of the pumping manifold and installation of all ancillary equipment. Contractors are continuing internal and external recoating on Duffy Street Reservoir with the new roof structure now in place.</p>
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	<p>Staff have commenced the fitting of new valves, flow meter manifold and filling control systems.</p> <p>Staff are continuing house service and mains rehabilitation works in the northern section of Manildra Street. Pumping tests and sampling of bores in accordance with NSW DOI Office of Water requirements are continuing.</p> <p>Swimming Pool water quality monitoring is ongoing along with regular Drinking Water Quality sampling and analysis.</p> <p>Major maintenance has been carried out on Sewer Pump Stations No 1 and No 8.</p>
Trangie	<p>Staff have continued reticulation system maintenance. Swimming Pool water quality monitoring is ongoing along with regular Drinking Water Quality sampling and analysis.</p> <p>Maintenance works have been completed on the Sewer Pump Station network.</p>
Tomingley	Continued regular system maintenance.
PARKS AND OPEN SPACE NETWORK CBD Gardens, Parks, Ovals, Villages	
Narromine CBD	General maintenance.
Narromine Parks and Reserves	General maintenance and mowing.
Narromine Sports Grounds	General maintenance. Preparation for top soiling and aeration underway.
Narromine Streets	General maintenance. Works continuing on laneways with clearing of vegetation and surface repairs. Continued spraying and maintenance of drains.
Trangie CBD	General maintenance and weed control ongoing.
Trangie Parks	General maintenance, mowing and irrigation system repairs being undertaken.
Trangie Sports Grounds	Burns Oval redevelopment in progress.
Trangie Streets	General maintenance. Works continue on laneways with clearing of vegetation and surface repairs, continued spraying and maintenance of drains.
PARKS AND OPEN SPACE NETWORK CBD Gardens, Parks, Ovals, Villages cont.	
Tomingley Village	General maintenance, including truck stop, ongoing. Contractor slashing of vegetation.
SWIMMING POOLS	
Narromine Pool	Narromine Pool opened on the long weekend. Lifeguards are trained. Small landscaping works to continue.
Trangie Pool	Trangie Pool is open. Small landscaping works to continue.
AERODROME	
Narromine Aerodrome	Slashing and weed control continue. Works on drainage and kerb and gutters has been completed on Tom Perry Drive. Road works are being finalised in preparation to being sealed.

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BUILDING MAINTENANCE	
All Buildings	General maintenance as required.
Narromine Medical Centre	General maintenance as required.
Council Administration Buildings	General maintenance as required.
PUBLIC CONVENIENCES	
Rotary Park (Narromine) Public Toilets	General maintenance and repairs. Toilet facilities cleaned daily.
Burroway Street Public Toilets (adjacent to Pool)	
Argonauts Park (Trangie) Public Toilets (Goan Waterhole)	Toilet facilities cleaned every Tuesday, Thursday and Saturday.
Dandaloo Street Trangie (adjacent to Bakery)	General maintenance and repairs. Toilet facilities cleaned every Monday, Wednesday and Friday.
Wetlands	Toilet block secured and cleaned daily.
VANDALISM	
Narromine – Various Parks	Broken glass and litter continues. Ongoing Playground equipment damage.
Trangie	General rubbish and household waste dumped into Council waste bins and at public toilets continues.
CEMETERIES	
Narromine Cemetery	General maintenance, mowing and weed spraying. Topping up of graves.
Trangie Cemetery	General maintenance, mowing and weed spraying. Topping up of graves.



CALE OVAL CONCEPT PLAN



1. OVERVIEW	2. CONTEXT	3. VISION	4. CONCEPT PLAN	5. IMPLEMENTATION
1.1 Executive Summary	2.1 Regional Context	3.1 The Vision Statement	4.1 The Concept Plan	5.1 Implementation Overview
1.2 Key Principles	2.2 Local Context	3.2 Principles	4.2 The Concept Plan Visualisations	5.2 Staging Plan
1.3 Key Issues	2.3 The Study Area	3.3 Key Concept Plan Objectives	4.3 The Concept Plan Sections	5.3 Project staging based on funding availability
1.4 Staging and Prioritisation	2.4 Cale Oval Character and Identity		4.4 Precedents	
1.5 Report Overview and Structure	2.5 Land use			
1.6 Background Documents	2.6 Traffic, Car Parking and Pedestrian			
1.7 Concept Plan Process	2.7 Fencing and Gates			
	2.8 Study Area Key Opportunities and Constraints			
	2.9 Community Consultation			
	2.10 Narromine Senior Gorillas			
	2.11 Narromine Senior Jets			
	2.12 Narromine Tennis Club			
	2.13 Narromine Netball Club			
	2.14 Key Opportunity			

1

OVERVIEW

CONTEXT

VISION

CONCEPT PLAN

IMPLEMENTATION

2

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1.1 Summary

Cale Oval provides the local community with a green space and sports grounds located in the town of Narromine. The Oval offers a diverse range of active sporting uses and it is also home to a number of associated sporting clubs. The park is also enjoyed by many community members including; sports players, residents and school children.

With increased development and demand, Narromine Shire Council recognises the need to have a coordinated planning approach to reduce the clash of opinion between clubs and to guide the future development of Cale Oval.

Council has engaged Moir Landscape Architecture to prepare a Concept Plan that seeks to provide a framework for the future of Cale Oval based on a clear and united vision and a comprehensive set of development principles. In order to do so we have undertaken extensive consultation with local council and the Cale Oval stakeholder groups to seek ideas and suggestions for their future needs.

This plan identifies the key areas for future upgrade of the focus sports. The key outcome of the consultation process was that the sport user groups would like a unified sports precinct. This means that future growth and improvement to facilities such as the grandstand will include for storage across all sports, as well as additional out of season use, such as for public amenities. The provision of a canteen is recommended for use by the Netball club and will form a distinction between family focused areas and the bar area. Several precedent images are included and artists impressions on how these facilities may look. The grandstand area could include drop off zones and forecourt with signage to address the oval.

It has been noted during the user group consultation that passive recreation and training areas are desirable for all clubs. This has resulted in a fitness and recreation track overlay. This provides for additional green turfed areas for training and a running / walking circuit around the oval. This circuit could be enhance through the addition of fitness stations in the future.

1.2 Key Principles

Cale Oval vision is to deliver a unique sports precinct for Narromine Shire Council, linked to the community through cohesive partnerships with its sports clubs to provide a diverse range of recreation opportunities.

The key principles that underpin this vision rely on community working together to create accessible spaces that have adaptability across the sporting user groups and local community. This will enhance the use of the oval and mean that capital costs for improvement address the needs of stakeholders better through improved participation, both in active and passive recreation.

1.3 Key Issues

Issues identified by the local users and stakeholder groups included the lack of shade, separation of the oval due to fencing, inaccessibility of play areas and aging facilities.

Cale Oval has limited shade and many trees surrounding the block have not survived. The street edge is not defined resulting in parking occurring all over the oval. This results in reduced training area for sports and conflicts with pedestrians.

The tennis club identified that their clubhouse could be used by other groups and have requested that this be considered in the development of the plan.

1.4 Staging and Prioritisation

The objectives of the concept plan result in several areas across the oval having been identified for upgrade. This upgrade will require capital expense over time and has been suggested to be staged. Part 5 of this Concept Plan discusses how the Concept Plan may be staged over time.

1.5 Report Overview and Structure

1.6 Background Documents

OVERVIEW 1	CONCEPT PLAN INTRODUCTION Provides an executive summary overview of the Concept Plan.	The following documents have been referenced through out the Concept Plan report: - Narromine Shire Council, <i>Local Environment Plan 2011</i> - National Rugby League, <i>Preferred Facility Guidelines for Grassroots Rugby League 2014</i> - Government of Western Australia, <i>Sports Dimensions Guide for Playing Areas, Sports and recreation facilities 2016</i> - Narromine Shire Council, Sport and recreational services Master Plan 2018
	KEY RECOMMENDATIONS The purpose is to explain the key features of the Concept Plan and give an overview of the recommendations that result from stakeholder engagement.	
	CONCEPT PLAN PROCESS This provides analysis of Cale Oval in context of region, locality, character and facilities. Analysis was undertaken through a number of site visits, desktop investigation and consultation with council staff and key stakeholders.	
	STAKEHOLDER INVOLVEMENT This analysis informed the development of the issues and options map which assisted in guiding the Concept Plan development process. Key opportunities and initiatives were identified through the analysis phase.	
CONTEXT 2	REGIONAL CONTEXT This provides analysis of Cale Oval in context of region, locality, character and facilities. Analysis was undertaken through a number of site visits, desktop investigation and consultation with council staff and key stakeholders.	
	STUDY AREA This analysis informed the development of the issues and options map which assisted in guiding the Concept Plan development process. Key opportunities and initiatives were identified through the analysis phase.	
	STUDY AREA ANALYSIS This analysis informed the development of the issues and options map which assisted in guiding the Concept Plan development process. Key opportunities and initiatives were identified through the analysis phase.	
ISSUES AND OPTIONS	This analysis informed the development of the issues and options map which assisted in guiding the Concept Plan development process. Key opportunities and initiatives were identified through the analysis phase.	
	This analysis informed the development of the issues and options map which assisted in guiding the Concept Plan development process. Key opportunities and initiatives were identified through the analysis phase.	
VISION 3	KEY ACTIVITY HUBS The vision statement identifies the key accomplishment of the Concept Plan process.	
	IDENTIFICATION OF ACTIVE SPORTS AND PASSIVE RECREATION OPPORTUNITIES This section outlines the key design principles developed and indicates how these principles have been applied to the development of the Cale Oval Plan.	
	This section outlines the key design principles developed and indicates how these principles have been applied to the development of the Cale Oval Plan.	
CONCEPT PLAN 4	CONCEPT PLAN The Concept Plan becomes a dynamic long term planning document that provides a conceptual layout to guide future growth and development. The Concept Plan includes theming and precedents for future development.	
	KEY PROJECTS Key projects have been identified and prioritised to provide practical options for the management of the Concept Plan.	
IMPLEMENTATION 5	PROJECT PRIORITISATION The implementation section of the report provides detailed concept designs for key areas within the Concept Plan. It also outlines the principles that should be applied to future development within the Study Area.	
	KEY PROJECT DETAILS The implementation section of the report provides detailed concept designs for key areas within the Concept Plan. It also outlines the principles that should be applied to future development within the Study Area.	

Figure 1. Report overview and structure

1.7 Concept Plan Process

1. Research, Analysis Phase

The research and analysis phase of the Concept Plan process included site analysis, photographic surveys, drone footage, 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 Concept Plan objectives and design principles.

3. Concept Development Phase

The concept development phase of the Concept Plan process involved the refinement of the opportunities and constraints within the Cale Oval and developing a concept plan.

4. Concept Plan Development and Production

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

5. Public Exhibition Phase

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

6. Concept Plan Finalisation

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

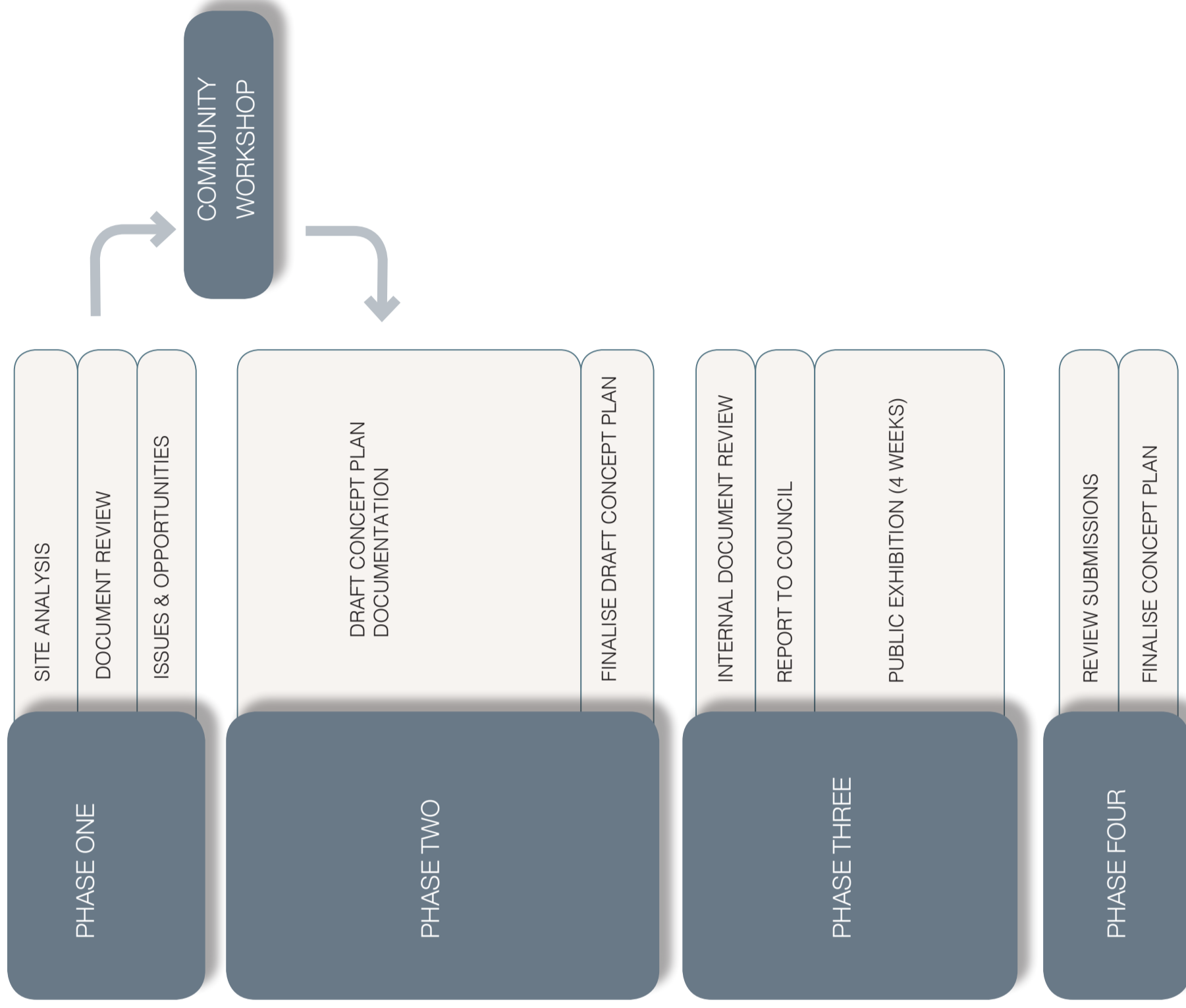


Figure 2. Concept Plan Process

1

OVERVIEW

2

CONTEXT

3

VISION

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5

IMPLEMENTATION

2.1 Regional Context

Cale Oval is an important park within the town of Narromine. The park hosts local and sporting clubs from towns across the region. It is located approximately 45km from Dubbo but will on occasion host teams from Mudgee at 168 km away.

2.2 Local context

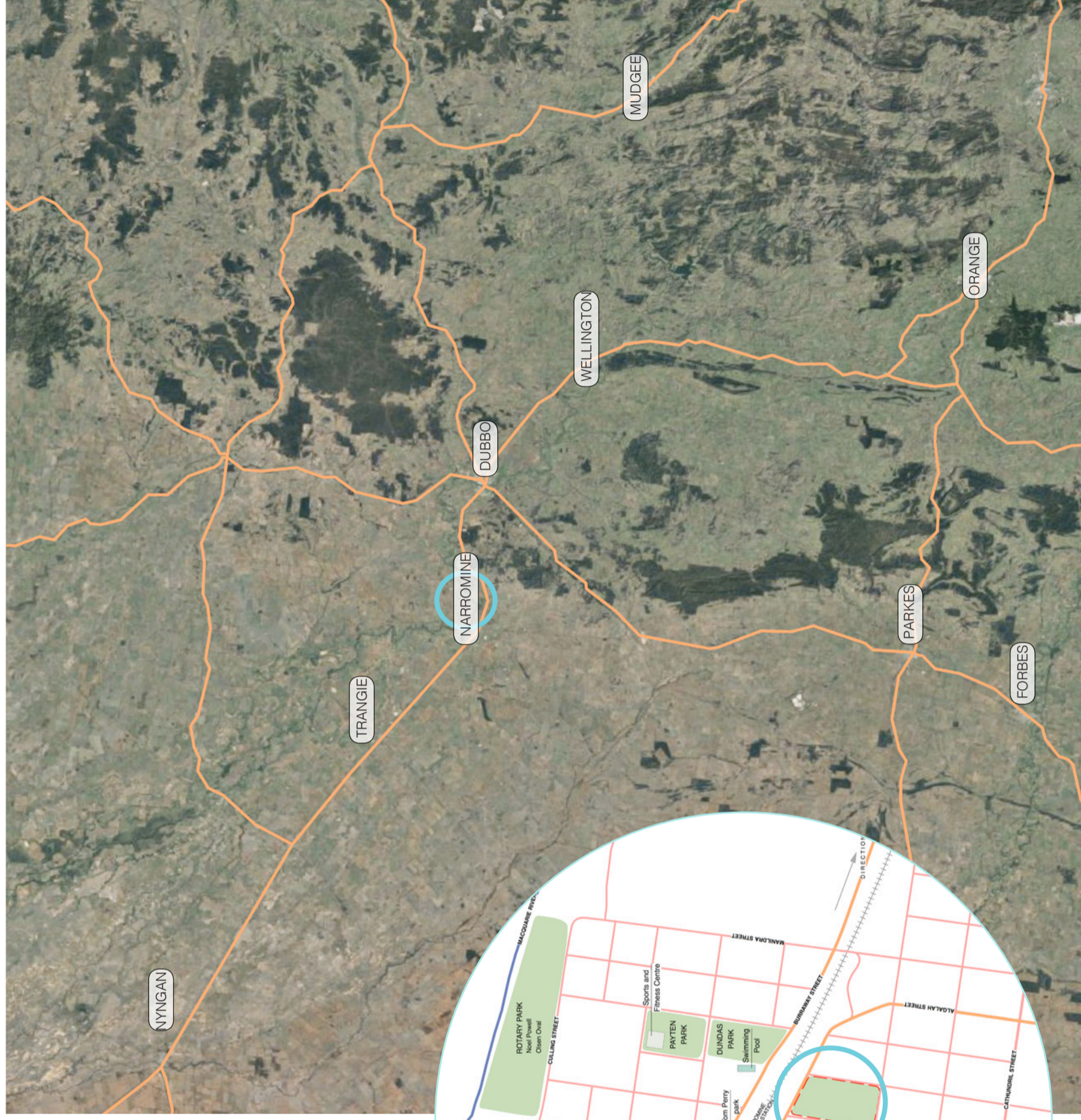
Narromine Shire Council recognises the importance of sport and recreation opportunities for all residents and aims to **provide safe and appealing sport and recreation opportunities to encourage active and healthy lifestyles.**

Narromine town offers a wide range of sports including: rugby league, rugby union, basketball, cricket, soccer, skate park, aquatic centre, squash court, golf course, a pool, athletic track, cycling circuit as well as a Sports and fitness centre with 2 indoor multi sports court.

Cale Oval is considered the major park on the southern side of Narromine. It offers a range of sports for local members. It is the premier Rugby Oval, the main park for Tennis and Netball as well as the only outdoor public basketball court in town.

Cale Oval is located south of the rail transport corridor. The park is sited on the block bounded by Derringbong Ave, Temoin Street, Terangion Street and Merilba Street.

Cale Oval is surrounded by residential dwellings and school campuses.



2.3 The Study Area

For the purpose of this report, the Concept Plan will focus mainly on the sport precinct, needs of the sports clubs, the facilities and the best spatial organisation.

The study area is limited to the Merilba, Terangion, Temoin and Derribong Avenue and considers parking options on the surrounding streets.

Many sporting clubs consider Cale Oval as their home field:

- Narramine Senior Jets Rugby League
- Narramine Senior Gorillas Rugby Union Football Club
- Narramine Netball Club
- The Deadly Dragonflies Netball Club
- Narramine Tennis Club
- Junior Rugby League and Union

Key sport features of the study area include:

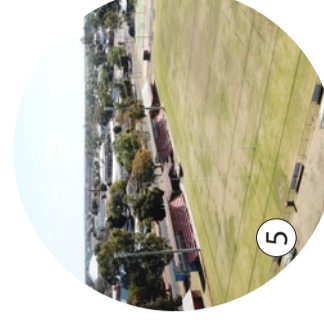
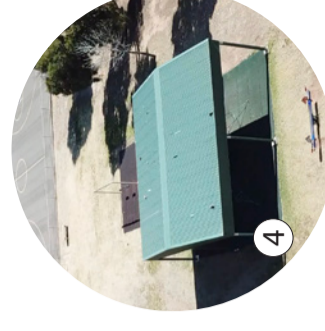
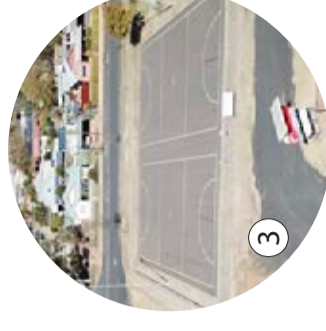
1. Tennis facility, 4 x courts & clubhouse.
2. Basketball court, 1 x court.
3. Netball facility, 2 x netball courts and storage shed.
4. Playground, including Picnic tables and BBQ facilities.
5. Rugby Field and Grandstand, separate change rooms, storage and public toilets and strapping shed.

Parking is ad hoc around the study area.

Clubs use the grounds on seasonal lease. During the winter season, it is used almost every night and most weekends by the Rugby league and Union, Netball courts are used every night of the week, Tennis courts twice a week on Monday and Wednesday evening. During the summer the Oval is used rarely apart from private hiring for special events. The Basketball court, playground and BBQ facilities are used at all times and all year long.



Figure 4. The Study Area



2.4 Cale Oval Character and Identity

Narromine has a strong association with its sports calls itself the 'Town of Champions' as it is known for sporting heroes such as Glenn McGrath and Melinda Gainsford-Taylor. Cale Oval character is enhanced by the local community support and pride of its sports clubs. The oval is often active with school children, sports players, community members as well as the home sporting clubs.

From the images of Cale Oval to the right it can be seen that there is a wide variation of structures across the park, most of which are fairly dated however still in reasonable condition and are useable. The local sports clubs do assist in maintaining the areas relating to their clubs and the facilities.

Cale Oval has fairly few trees and decent shade options. There are several street trees that have not survived along Merilba Street and bare patches across the grassed areas. Shade and shelter options are limited to the grandstand and picnic areas.



Rugby Jets team giving Cale Oval a makeover

2.5 Land Use



- Cale Oval is zoned RE1 public recreation. Land surrounding the oval is generally zoned R1 General Residential with the rail corridor to the north which is zoned SP2 Infrastructure.
- The majority of land within the study area is medium density residential, defined by mostly individual houses on lots.
- Connections between open space areas and surrounding attractions are limited.
- Conflicts exist with land use. (i.e. Issues with vandalism of tennis courts resulting in damage to fences)

2.6 Traffic, Car Parking and Pedestrian



- There is one main entry into Cale Oval from Temoin Street.
- There is no formal pedestrian footpath that leads to the oval.
- There is no formalised car parking and safety concerns due to circulation occurring within the oval.
- Wide road reserves provides opportunity for street car parking.
- Informal overflow car parking around the Rugby field affect views for spectators and reduces area of training zone.
- There is currently a lack of footpaths across the park. Limited connectivity is forcing pedestrians and cyclist to use roads. The lack of identifiable pedestrian areas and networks is not only dangerous but it makes wayfinding across the site difficult for new visitors.

2.7 Fencing and Gates



- Excessive amount of fencing and gate within the oval limit the accessibility to the facilities.
- Gates and fencing are not consistent as they are made of varying heights and styles.
- Fences have been damaged and openings occur between the playground area and the rugby field.

2.8 Study Area Key Opportunities and Constraints

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

Visual Connection

The Oval lacks a visual continuity and physical connection. There is no built form style or theme and consistency from one sporting club to the other and the site is a series of disconnected sheds and small built structures. Parking and accessibility are currently informal and inadequate.

Open Space Quality

The number of built forms, internal fencing and vehicular roads create the impression that there is a lack of open space within the park. There is an opportunity to link these open space areas to create some warm up space for sports clubs and open play space and to possibly be able to host community events. The Oval is also underutilised during summer seasons and has the potential to incorporate mixed uses to encourage all ages to participate in sports.

Traffic & Pedestrian Confusion

Traffic movement throughout the Study Area is unsafe due to lack of line marking and the informality of the road and parking. Formal car parking areas are currently limited to street parking. Informal car parking occurs around the Rugby field and in almost any available space during a game. The Study Area currently lacks safe pedestrian and cycleway paths towards the Oval.

Defined Street Frontage

The Study Area does not have a strong street frontage defining the entry to the rugby field. Generally it lacks street trees, internal park trees and landscaping to provide more shade and feature to the parkland. Wide road reserves create opportunity for streetscape improvements.



Figure 4. The Study Area Analysis

2.9 Community Consultation

Narramine Shire Council consulted with the local community on Cale Oval Concept Plan prior to this concept plan and the study team facilitated one community workshop.

The community workshop was held on the 5th of September, 2018 at the Narramine Shire Council. Approximately 10 community representative members from the sporting clubs attended and were involved in a desktop workshop facilitated by Moir Landscape Architecture's staff to discuss issues, needs and opportunities.

The workshop provided opportunities for the local community to contribute to the development of the Concept Plan. The consultation process was an integral component of the Concept Plan development, which provided feedback and additional insights to influence the next step in the plans development process.

The Cale Oval analysis package was prepared in response to the preliminary site visit and meeting with Narramine Shire Council. The purpose of the analysis 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. These findings are shown from Figures 4 to 8.

An overview of the sports in Narramine, the current site, the sporting clubs vision and two precinct plans we're identified in the analysis. The stakeholders provided feedback on the key principles proposed in those preliminary precinct plans.

2.10 Narramine Senior Gorillas



Figure 4 . The Narramine Senior Gorillas Analysis

The Club presented the desire for greater space that would allow for rugby events and training. Some points from feedback received:

- It would be ideal to unite the range of sports and cater to a wide range of recreation.
- Increase area of training space available and reduce internal hard stand roads.
- Provide a better grandstand with multifunction to cater to change rooms, storage, toilets, canteen, meeting space and video room.
- Improve existing tennis courts and have other multi functions.
- Provide for a spectator hill area.
- Designate family friendly areas away from the bar.
- Expand netball courts and quality of courts.
- Consider similar facilities to Dubbo.

2.11 Narramine Senior Jets



The Narramine Senior Jets presented the desire to increase participation in the sport. The user group felt it was key to guide future development of the oval toward being the largest sporting venue with opportunities to hold other entertainment and community events. Key opportunities included:

- Expansion of seating in grandstand and building facilities.
- Enhance storage and capability of canteen & bar.
- Provision of additional lighting for night games.
- Provide for a spectator hill.
- Provide for spectator seating at north and south.
- Improve facilities with an electric score board.
- Consider an indoor pool.

2.12 Narramine Tennis Club



The Tennis Club were interested in continuation of the sport and potential expansion of the club offering and facilities. It would be advantageous for the club to be inclusive of the neighbouring sports and become more attractive to other users and centres.

Key opportunities were to:

- Improve formal storage, and improve clubhouse by sharing with other clubs.
- Remove hard stand asphalt and internal roads
- Provide additional lighting for night games
- Improve fencing across the entire oval
- Upgrade tennis to synthetic grass or flexible pavements
- Formalise parking around site and improve the street scape

2.13 Narramine Netball Club



Netball is the largest member group using the oval and would like to increase use across summer months through the provision for off-season competitions such as twilight games. They saw the oval has having opportunities to utilise the open space area better through:

- Expand seating in grandstand and other areas and improve building facilities.
- Removal of hard stand and internal road to allow improved training space
- Provide a spectator hill
- Provide additional lighting for night games
- Connect the open spaces to be family friendly and have easy access to play areas.
- Improve tennis courts to have multi-use.
- Expand netball court offering
- Reduce necessary fencing to only on outside of precinct
- Subsurface drainage and irrigations to be upgraded

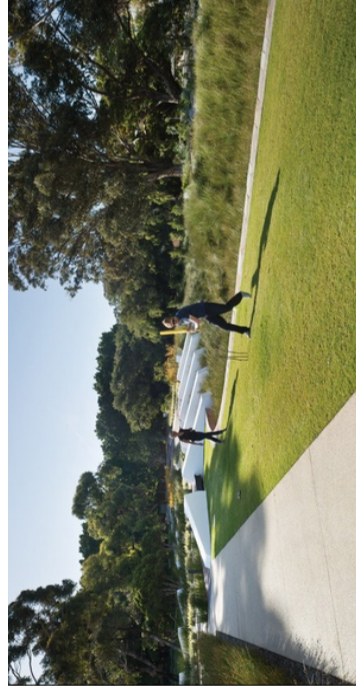


2.14 Key Opportunities

Overall there are great opportunities for consideration in the development of future upgrades. Images to the right include:

SPECTATOR HILLS WITH GRANDSTANDS

Variations on the use of turf hills with in built benching for seating. Grandstand options that include storage space and have adaptable uses within the structure. Allows for the separation of adult areas and family friendly zones.

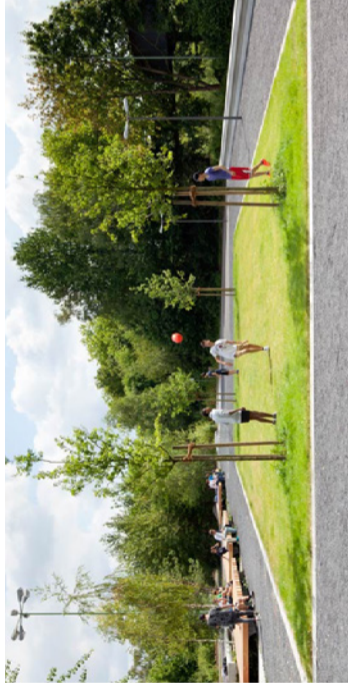


NETBALL/BASKETBALL/TENNIS

Inclusion of multi-sport courts for training purposes and junior development of skills

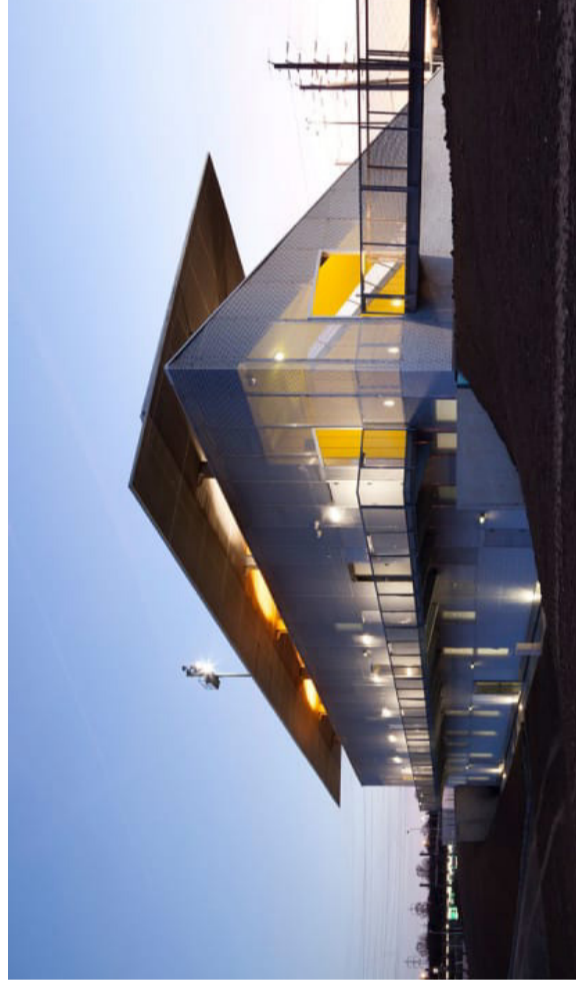
PLAY SPACE

Playground, basketball court close to the Netball courts and the residential area. Opportunity for multi-courts and interspersed with other fitness options such as boot-camp and fitness stations.



PASSIVE RECREATION

Opportunity for an open plaza space with seating, tree planting and BBQ areas as well as play options. The spaces assist with the overlay of other fitness uses in off-peak seasons and address the surround residential needs for daily health and well being.



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3.1 The Vision Statement

Cale Oval will form a unique sports precinct for Narromine Shire Council, linked to the community through cohesive partnerships with its sports clubs to provide a diverse range of recreation opportunities.

3.2 Principles

The key principles that underpin the vision for Cale Oval are:

- Community
- Accessibility
- Adaptability
- Long term sustainability

The vision and objectives for the development of Cale Oval Concept Plan build on those identified in the project brief. Feedback from the community workshops and discussions will continue to benefit the long term sustainability of active sports and participation.

Cale Oval provides an opportunity to increase participation in sport and recreation through multi functioning spaces accessible to the local community. It will be an accessible community facility with focus on recreation for healthy lifestyles.

Create a united vision will reduce individualised spaces and foster coordination between clubs and the future of the precinct. Visual clarity and easy connections of useable areas will support this principle.

The Concept Plan will guide future improvements in the Oval. The improvements will retain the character of the precinct whilst catering for increased growth in sporting codes and higher use of facilities.

The premier sport precinct will aim to encourage players, visitors and spectators to participate and be healthy and physically active.

Cale Oval will be welcoming both through improved environment and structures as well as socially. A focus on pedestrian connectivity will increase safety, amenity and activity within the complex.

Improving vehicular movements and connections will encourage visitors from the wider region into the area and avoid confusion.

Improvements to existing facilities and open space will encourage a mixed range of user groups and there will be opportunity to host greater clubs and encourage visitors to the complex.

3.3 Key Concept Plan Objectives

CREATE A MULTIFUNCTIONAL PARK




Offer a wide range of sporting facilities to increase participation within Narromine and provide functional and facilities to attract games from nearby towns.

ADAPTABLE SPACES



Cale Oval offers both active sports for peak periods and additional local recreation activities such as fitness circuit and dog walking path to foster improved wellbeing.

COORDINATED CLUBS



Enhance club connections and coordination through joint uses. Provide both visual connection as well as physical continuity so Cale Oval is unified.

EXPAND AND IMPROVE INFRASTRUCTURE



Expand seating in grandstand, improve and consolidate storage facilities/amenities too facilitate all sporting members and spectators.

ENHANCE LANDSCAPE



Improve the attractiveness of the Park for members of the community and visitors by utilizing unused space to create open spaces, increase tree planting for shade and improve streetscape.

IMPROVE ACCESSIBILITY



Improve fencing between facilities and formalize pedestrian footpath.
Improve the visual amenity with public domain improvements, such as paving, landscaping and furniture.

IMPROVE VISITATION



Investigate traffic management options and explore opportunities to improve and formalize car parking around the Oval.
Encourage safe pedestrian movements throughout Cale Oval.

LONG TERM SUSTAINABILITY



Consider long term management of Cale Oval through reduction of built forms and planned turf and paved areas. Also include for environmental measures to improve growth of plantings and keep the oval looking good long term.

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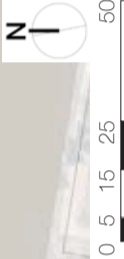
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4.1 The Concept Plan



Pedestrian connection from main road to the Oval

Planted garden bed and shrubs to provide buffer from residence and road

Open green space with shade trees and picnic tables

Formal play space

Clubhouse for all clubs including amenities and storage.

Terraced grass spectator seating

Multiple fitness stations along main footpath, sports track circuit and walking path

Upgraded synthetic tennis courts

Plaza with seating, circulation space and shade trees

Formalized street car parking with street trees for shade

Drop off and loading zone for coaches and cars

Main entrance including entry signage, planting and seating

New/upgraded grandstand to meet regional requirements and enough storage space for all sporting clubs

Pedestrian footpath allowing safe access to sports field and facilities. Opportunity to be used as a running/walking track

Basketball/multi-court with seating and play area with opportunity for painted games on pavement and ping pong tables or fitness station.

Two additional netball courts

Entry Signage with planted garden bed and shrubs. Provide buffer and safety for the play space

Open green space with shade trees and picnic tables

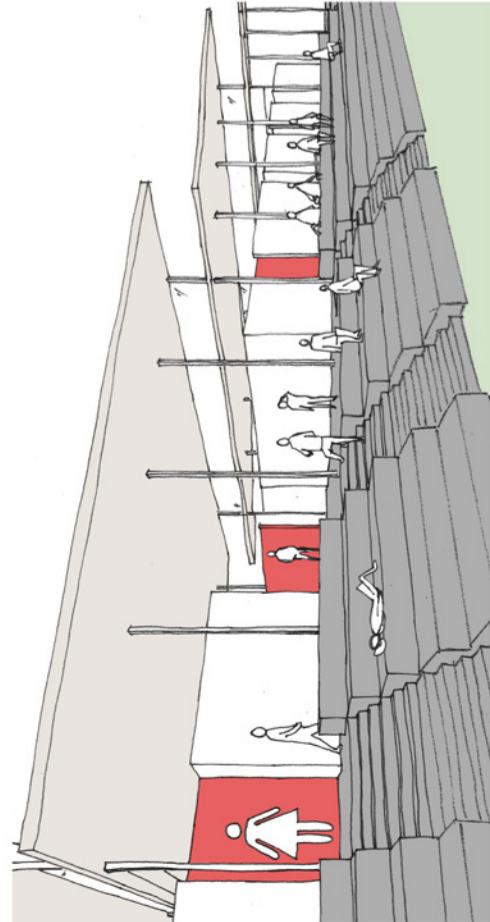
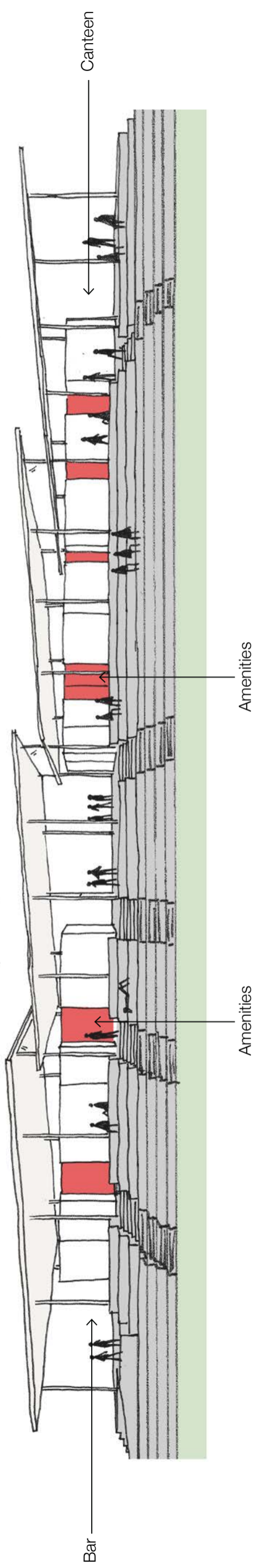
Amenities for Netball Club

BOUNDARY	ROAD
FENCES	SHRUBS/GROUNDCOVERS
RETAINED TREES	GRANDSTAND/WOOD PATIO
TURF	FORMAL TURF
SPORTS FIELDS	CONCRETE PAVEMENT
PLAYGROUND	SPECTATOR MOUND
CLUBROOM / AMENITIES	FURNITURE
CONCRETE FOOTPATH	SCOREBOARD
STABILIZED DECOMPOSED GRANITE FOOTPATH	SHADE SAIL
	PROPOSED TREES

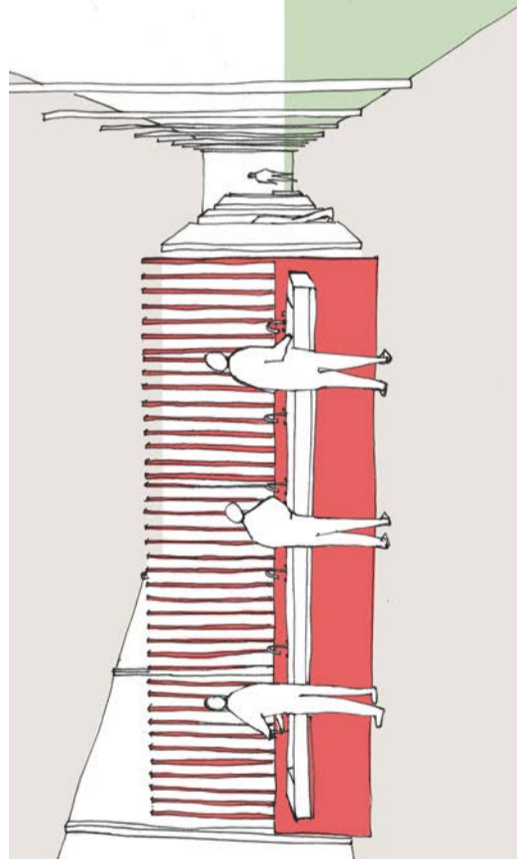
4.2 The Concept Plan Visualisations.

LARGE OPEN GRANDSTAND EXAMPLE

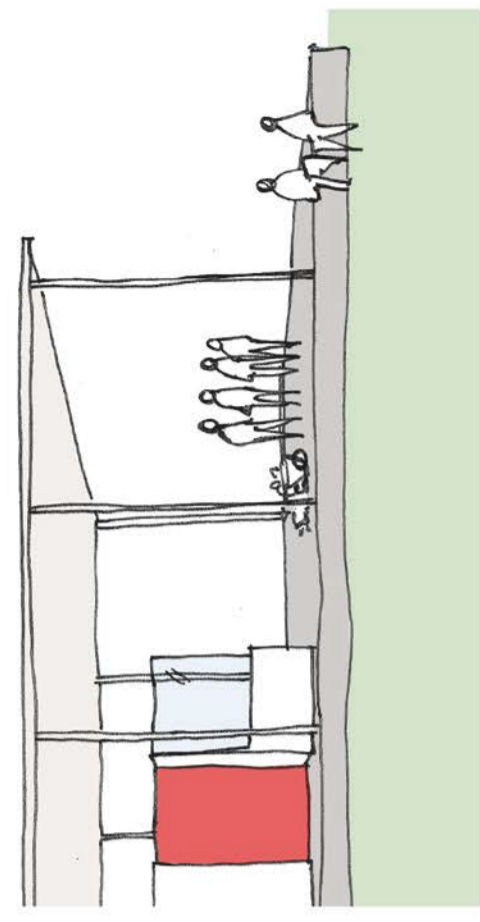
The Grandstand areas can be a series of inter connected spaces that can be opened and closed to cater to a specific event, for general public use of amenities or bar facilities



SHELTERED SEATING FOR SPECTATOR

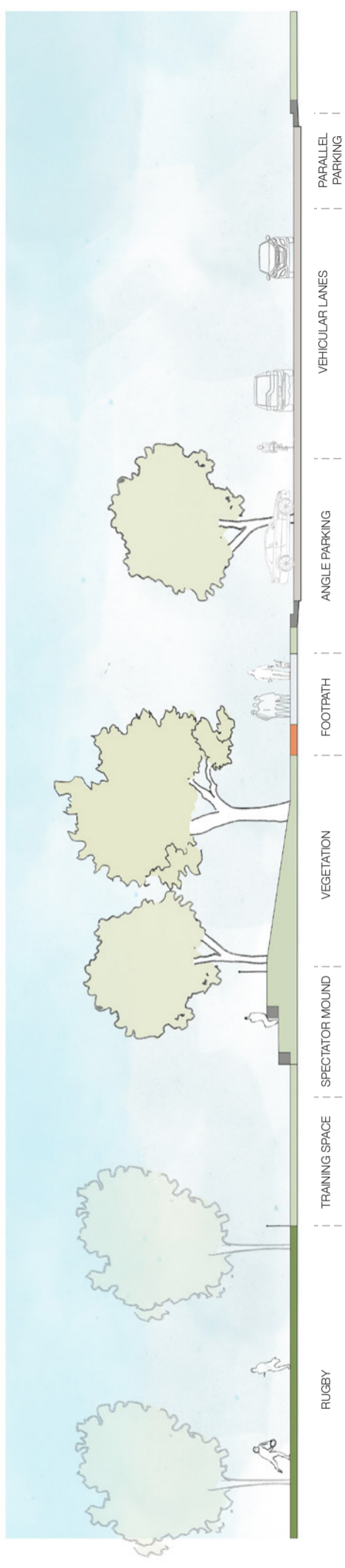


OPEN AMENITIES ACCESSIBLE TO ALL SPORTING CLUBS

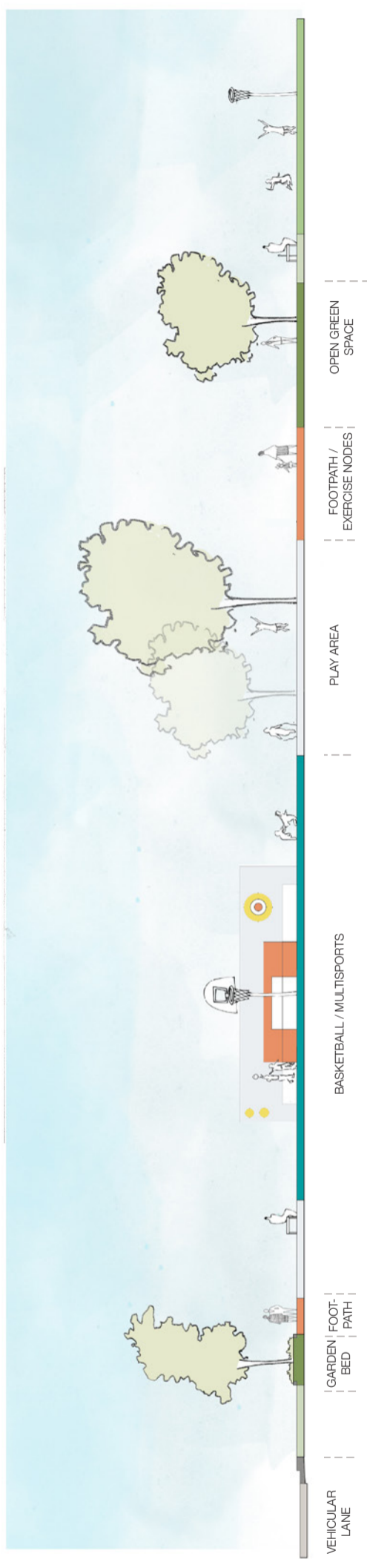


SHELTERED CANTEEN AND BAR SPACE ON EITHER SIDE

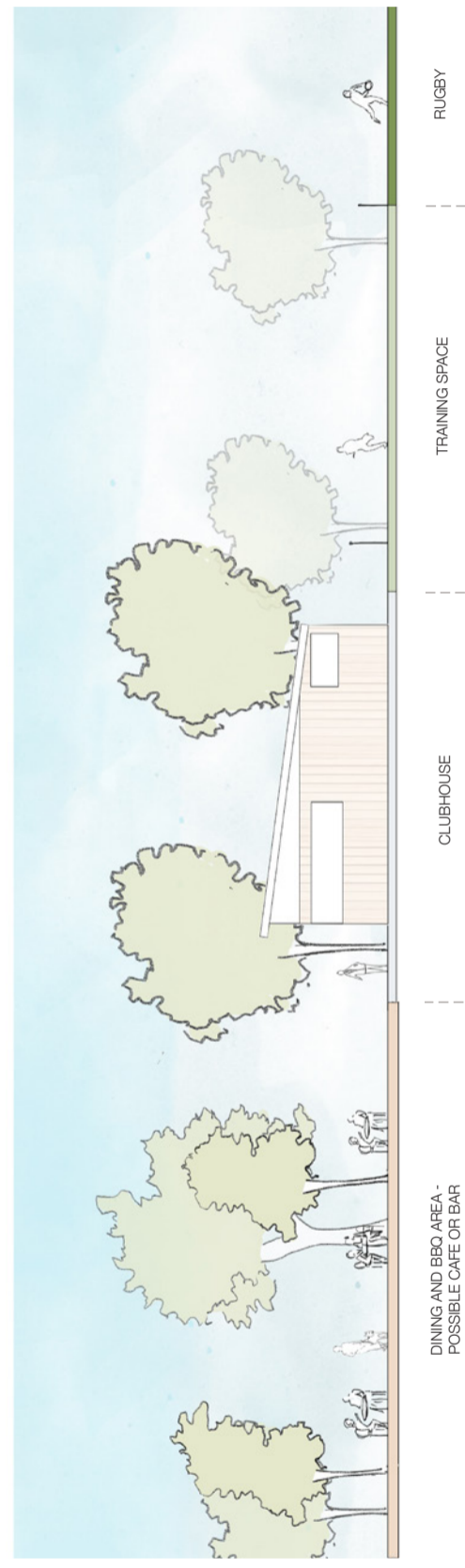
4.3 The Concept Plan Sections



SPECTATOR MOUND FOR RUGBY



PLAY AREA AND NETBALL



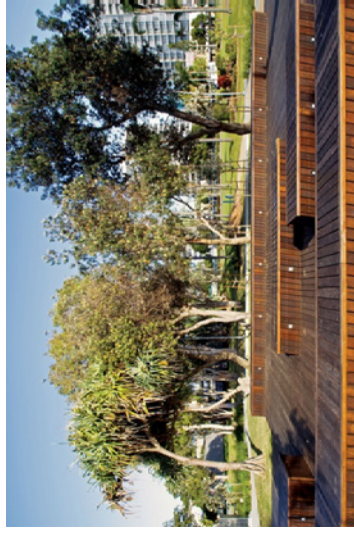
CLUBHOUSE

4.4 Precedents

Pedestrian spines - 'The Sports walk'



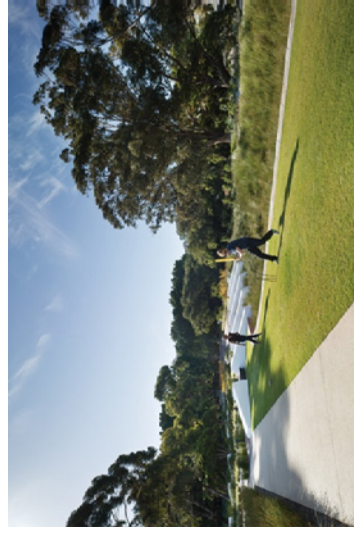
The Goods Line, Sydney; A single path which can accommodate a series of activities, temporary installations, infrastructure & services.



Jack Evans Boat Harbour, Tweed River; Surfaces & structures creating continuity while also protecting existing elements such as trees.



Speers Point Park, Lake Macquarie; Pedestrian spines also become service corridors for deliveries and service infrastructure.



Lakeway Redevelopment - Perth; The spine can provide very good access to co-located elements such as intensive use areas or drainage swales for both users & maintenance.

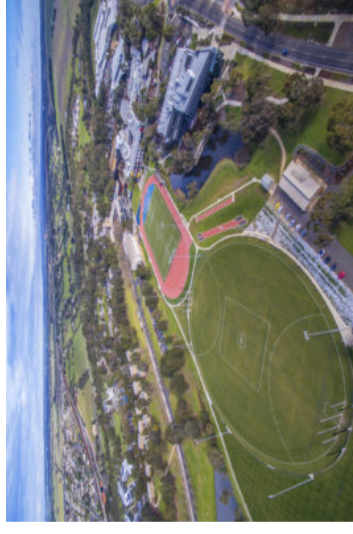
Sports Complexes



David Phillips Field, Sydney; Centralised, multi-sided pavilions that address and connect with all areas.



Kareela Fields, Sydney; Synthetic pitches are becoming more prevalent as they increase the hours of use per field & they can also accommodate several codes.



Deakin Elite Sports Precinct, Geelong; It is important that each field configuration is layered with as many sporting uses as it can to accommodate future demands.



Mt Barker Sports complex, SA; High quality and intensive use facilities can be integrated into an existing complex with minimal disruption thus allowing continued use.

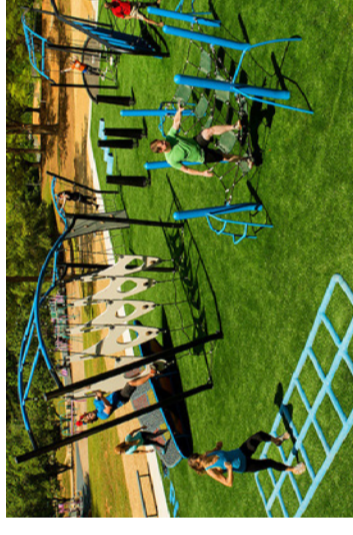
Furniture & Facilities



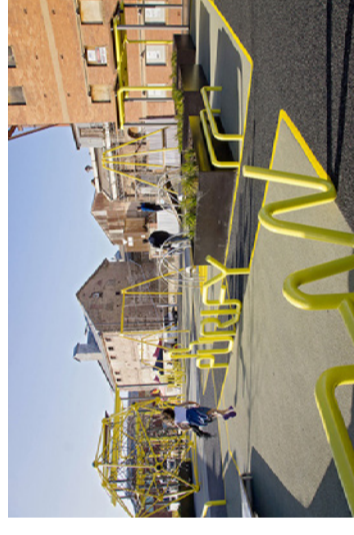
Concrete edge lawn seating & viewing terraces, Redfern; Allows for large spectator sports uses and integrates visually into the park setting.



Viewing terraces, Erskineville; A simple set of terraces can accommodate standing room viewing & formal seating terraces.



Exercise stations; Specialised exercise equipment can be at key points along the sports walk and expand the facilities available for all users of the park.



Playgrounds; At key points along the sports walk to provide another dimension to the park & entertain children when carers are playing sport.

Building Structures - Exterior



Lizard log amenities building - Chrofi; Flexible park pavilions need to provide as many services and amenities as possible in a efficient way.



Victoria Square, Adelaide - TZG; Elevated roof structure provides flexible weather protection options & this creates flexible and adaptable community spaces.



Calder Fwy Pavilion, Woodburn - BKK; Iconic architecture creates a sense of identity. Identifiable landmarks also help locate you within the Oval.



Cook Park, Sydney - Fox Johnson; A continuity of materials & forms creates a suite of buildings that will form an identity for the complex.

Building Structures - Interior



Times Property Staff Centre - C&C Design; Well designed, simple and robust finishes offer ease of use and express individual character.



Centennial Park Pavilion - Lahmnimmo; Hand basins can be opened up to hand basins & connect the user with their location.



Theatre d'eau Pool Pavilion - Log Architects; Good natural light access and ventilation are key to creating usable and inviting interior spaces.



Queen Elizabeth Pool Pavilion, Canada - Group 2; Sports pavilions need to create safe and inviting spaces when open or closed.

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5.1 Implementation Overview

The implementation of the Concept plan will occur over many stages as funding becomes available or necessity drives the process.

The purpose of the Concept plan is to coordinate capital and maintenance works and help prioritise future funding and budgets. The implementation of works in stages will allow for the continued function of the complex, addressing needs and minimising risks.

It is recommended that when contemplating a scope of works that consideration is given to several key elements such as site wide pieces of infrastructure e.g. sporting loops, pedestrian pathways, irrigation, roads and storm water drainage. These should all be considered holistically to ensure that they are set up in the most advantageous way, allowing for the next scope of works to be undertaken and that it is able to connect seamlessly to the previous stage of works as well as ensuring that they are not causing any detrimental effects to both the infrastructures operation or that of the Cale Oval site.

5.2 Staging plan

- 1 Grandstand and amenities
- 2 Cale Oval entrance and signage
- 3 Street line marking and trees
- 4 Netball court upgrades
- 5 Multicourt and play area
- 6 Tennis upgrade, clubhouse hub and playground
- 7 Spectator hill



5.2 Project Staging based on funding availability

POSSIBLE PROJECT STAGE	PRIORITY	ACTION
<p>1. Grandstand and amenities improvements</p>	<p>H M L</p>	<p>Undertake upgrade to the grandstand structure incorporating areas for storage for various clubs, public toilets, possible canteen for netball club use, bar facilities, change rooms, club room and so on.</p>
<p>2. Cale Oval entrance and signage</p>	<p>H M L</p>	<p>Formalise landscape entry to the grandstand and Cale Oval, including drop off zone, street trees and shade in the forecourt area to the grandstand structure. Include for entry signage and wayfinding signage upgrades. Additional landscaping and pedestrian track upgrade.</p>
<p>3. Netball courts upgrade</p>	<p>H M L</p>	<p>Provision of 4 improved and expanded netball courts, with shade trees and seating available nearby.</p>
<p>4. Streetscape upgrade and line marking</p>	<p>H M L</p>	<p>Provision of formal angled parking and street scape improvements along the boundary roads. Provision of safe pedestrian access, visual amenity improvements and connection of footpaths and track to form training and passive recreation linkages.</p>
<p>5. Multi court and play area</p>	<p>H M L</p>	<p>Provision of safe pedestrian links between the grandstand amenities, canteen and multi court area. Adaptable play space that can be used for junior netball skills training overflow. Options to introduce multisports open play such as Ultimate Frisbee, ping pong or fitness stations for use by the local community for group training / boot camps.</p>
<p>6. Tennis upgrade including, clubhouse hub and playground</p>	<p>H M L</p>	<p>Improvement and upgrade of 4 full tennis courts, open area for community gathering and improved use of clubhouse facility with forecourt upgrades. Development of play equipment focused on skills development for all ages and abilities.</p>
<p>7. Spectator hill and rugby field upgrade.</p>	<p>H M L</p>	<p>Improved spectator area with hill and options for benching, shade trees and improved visual quality of the western boundary to the rugby fields.</p>