

ACTIVE RESERVES MASTER PLAN Draft Report

Prepared by:
City of Wanneroo
Community Facilities Planning
PROJECT NOS. 2957/2826/2829
FILE: 1465/13465/13804
REF# 14/407852[V2]



City of Wanneroo, 23 Dundobar Road, WANNEROO WA 6065
Locked Bag 1, WANNEROO WA 6946
Telephone 9405 5000 Facsimile 9405 5499

City of Wanneroo Active Reserves Master Plan

EXECUTIVE SUMMARY

The purpose of the City of Wanneroo Active Reserves Master Plans Report has been to develop a Master Plan for each existing Active Reserves within the City. In doing so the project sought to achieve the following:

- Guide the re-development of facilities including playing fields, passive park components and all supporting infrastructure;
- Identify current usage, future uses and any opportunities or issues that will inform new infrastructure, existing infrastructure upgrades and future management strategies;
- Maximise the flexibility of the reserve for active and passive use as well as supporting City events; and
- Confirm the need and feasibility for the development of infrastructure on public open space or identify the need to develop facilities to support the level of use at specific facilities.

The Active Reserve Master Plan Report seeks to bring together all of the existing data and analysis collected as a result of the ARMP process undertaken to date.

In undertaking the ARMP process, the outcomes sought were as follows:

- Identify agreed base principles/assumptions for each of the Active Reserves;
- Identify an agreed understanding of future usage for each of the Active Reserves;
- Identification of required infrastructure upgrades, listed in an indicative priority order; and
- An agreed preliminary General Arrangement Concept for each Active Reserve.

As a result, the intention of the ARMP process has been to identify the specific infrastructure projects required at each of the City's Active Reserves to meet the needs of the community both now and into the future.

The intention of the report is to provide an evidence base which assists Council in their decision making process in regards to the funding and timing of projects. As a consequence, the report is a working document, in that the identified infrastructure projects will continually be assessed against updated demand analysis, which will occur on an ongoing basis, and inform needs and feasibility assessments for the respective projects.

It should also be noted that this body of work will form one component of a broader strategic Community Facility Planning Framework, the development of which Administration will be seeking to commence shortly.

A summary of the outcomes from the ARMP process has been included in Attachment 16 - South Ward, Attachment 17 - Central Ward and Attachment 18- North Coast Ward. As a result of the ARMP process, a total of 196 individual projects at an approximate cost of \$62.2M have been identified.

It should be noted that each individual Active Reserve Master Plan and related infrastructure upgrade project will become a separate project within the City's 20 Year Capital Works Program and as such will be subject to further consultation with user groups and residents as per the City's Community Engagement Policy

City of Wanneroo Active Reserves Master Plan

Contents

1	PROJECT BACKGROUND	7
1.1	PROJECT PURPOSE	7
1.2	PROJECT BUDGET AND CONTEXT	7
1.3	STUDY AREA	7
1.4	STRATEGIC ALIGNMENT	8
1.5	SCOPE AND DELIVERABLES	9
1.6	CONSULTATION	11
2	KEY OUTCOMES	15
2.1	BASE PRINCIPLES/ASSUMPTIONS	15
3	DEMOGRAPHICS AND PARTICIPATION	17
3.1	CITY OF WANNEROO OVERVIEW	17
3.2	POPULATION PROJECTIONS	17
3.2.1	South Ward	17
3.2.2	Central Ward	18
3.2.3	North Coast Ward	19
3.3	PARTICIPATION	21
3.3.1	State Sporting Association Projections	21
3.3.2	National Statistics	22
3.3.3	City of Wanneroo Statistics	23
3.4	PRELIMINARY DEMAND ANALYSIS	26
4	SITE ANALYSIS AND MASTERPLANS	29
4.1	SOUTH WARD	30
4.1.1	Alexander Heights Park	30
4.1.2	Blackmore Park	34
4.1.3	Butterworth Park	39
4.1.4	Cabrini Park	44
4.1.5	Ferrara Park	48
4.1.6	Hainsworth Park	53
4.1.7	Highview Park	58
4.1.8	Hudson Park	62
4.1.9	John Maloney Park	68
4.1.10	Koondoola Park	73
4.1.11	Liddell Park	78
4.1.12	Montrose Park	82

City of Wanneroo Active Reserves Master Plan

4.1.13	Paloma Park.....	86
4.1.14	Shelvock Park	91
4.1.15	Warradale Park	96
4.2	CENTRAL WARD	100
4.2.1	Edgar Griffiths Park	100
4.2.2	Houghton Park	105
4.2.3	Jimbub Park	110
4.2.4	Lake Joondalup Park.....	114
4.2.5	Peridot Park	118
4.2.6	Scenic Park	123
4.2.7	Wanneroo Showgrounds	127
4.3	FORMER COASTAL WARD	133
4.3.1	Abbeville Park	133
4.3.2	Addison Park.....	138
4.3.3	Anthony Waring Park.....	142
4.3.4	Belhaven Park.....	147
4.3.5	Dalvik Park.....	151
4.3.6	Gumblossom Park.....	155
4.3.7	Kingsbridge Park	160
4.3.8	Richard Aldersea Park.....	165
4.3.9	Ridgewood Park.....	169
4.3.10	Riverlinks Park	174
5	NEW PROJECTS.....	178
5.1	SOUTH WARD.....	178
5.2	CENTRAL WARD	178
5.2.1	Banksia Grove District Open Space	178
5.3	NORTH COAST WARD.....	179
5.3.1	Butler North District Open Space.....	179
5.3.2	Yanchep Active Open Space.....	180
5.3.3	Leatherback Park	181
5.3.4	Amberton District Open Space	182
5.3.5	Charnwood Park.....	183
5.3.6	Oldham Reserve	184
6	FINANCIAL IMPLICATIONS.....	185
6.1	CAPITAL WORKS BUDGET.....	185
6.2	GRANT FUNDING	185

City of Wanneroo Active Reserves Master Plan

6.3	DEVELOPER CONTRIBUTIONS	185
6.4	CLUB CONTRIBUTIONS.....	185
6.5	SHARED USE FACILITIES WITH THE DEPARTMENT OF EDUCATION.....	186
7	SUMMARY AND RECOMMENDATIONS.....	186
8	REVIEW PROCESS.....	186
9	RELATED DOCUMENTS AND REFERENCES	187
10	ATTACHMENTS.....	188
	Attachment 1 - South Ward Aerial Map.....	189
	Attachment 2 - Central Ward Aerial Map	190
	Attachment 3 - North Coast Ward Aerial Map	191
	Attachment 4 - South Ward Community Reference and Sporting User Group	192
	Attachment 5 - Council Report CD01-04/15.....	195
	Attachment 6 - Prioritisation Matrix	211
	Attachment 7 - South Ward Summary Project Listings	212
	Attachment 8 - Central Ward Summary Project Listings	213
	Attachment 9 - North Coast Ward Summary Project Listings.....	215
	Attachment 10 - South Ward Prioritisation	216
	Attachment 11 - Central Ward Prioritisation.....	219
	Attachment 12 - Coastal Ward Prioritisation	221
	Attachment 13 - South Ward Demographics.....	223
	Attachment 14 - Central Ward Demographics.....	226
	Attachment 15 - North Coast Ward Demographics	229
	Attachment 16 - South Ward Participation	234
	Attachment 17 - Central Ward Participation	236
	Attachment 18 - North Coast Ward Participation	238
	Attachment 19 - South Ward Costings.....	241
	Attachment 20 - Central Ward Costings.....	244
	Attachment 21 - Coastal Ward Costings	246
	Attachment 22 - Cost Summary.....	248
	Table 1 - Prioritisation Matrix.....	16
	Table 2 - South Ward Population Forecasts.....	18
	Table 3 - Central Ward Population Forecasts.....	19
	Table 4 - North Coast Ward Population Forecasts	20
	Table 5 - State Sporting Association Comments	21
	Table 6 – Australian Participation Percentages	22
	Table 7 - City of Wanneroo Participation Numbers.....	23
	Table 8 - City of Wanneroo Participation Projections	24
	Table 9 - South Ward Participation Projections	24

City of Wanneroo Active Reserves Master Plan

Table 10 - Central Ward Participation Projections	25
Table 11 – North Coast Ward Participation Projections.....	26
Table 12 - City of Wanneroo Facilities Required	26
Table 13 – South Ward Facilities Required	27
Table 14 – Central Ward Facilities Required.....	27
Table 15 - City of Wanneroo Facilities Required	28
Table 16 - Summary of Project Types	186

1 PROJECT BACKGROUND

1.1 PROJECT PURPOSE

The purpose of the City of Wanneroo Active Reserves Master Plans (ARMP) Report has been to develop a Master Plan for each existing Active Reserves within the South, Central and North Coast Wards. In doing so the project sought to achieve the following:

1. Guide the re-development of facilities including playing fields, passive park components and all supporting infrastructure;
2. Identify current usage, future uses and any opportunities or issues that will inform new infrastructure, existing infrastructure upgrades and future management strategies;
3. Maximise the flexibility of the reserve for active and passive use as well as supporting City events; and
4. Confirm the need and feasibility for the development of infrastructure on public open space or identify the need to develop facilities to support the level of use at specific facilities.

1.2 PROJECT BUDGET AND CONTEXT

The project had an approved budget of \$150,000 (excluding GST), which was listed in the 2014/15 10 Year Capital Works program under PR-2826, 2957 and 2928. A total of \$76,376 was spent in the delivery of the project.

These funds covered costs to engage a Landscape Architect and a Quantity Surveyor to provide concept designs and indicative costs for each reserve. These include indicative square metre costs for construction, landscaping, signage, consultancy fees and design and construction contingencies, providing a complete indication of cost.

1.3 STUDY AREA

The study area comprises of the South, Central and North Coast Wards within the City of Wanneroo.

The study area was amended post the 2015 Local Government Elections to include the North Ward (as part of the newly formed North Coast Ward), as this was not included within the initial study. This was on the basis that the existing Active Reserves within this Ward had already been subject to previous master planning processes and resulting infrastructure upgrades.

South Ward

- Alexander Heights
 - Alexander Heights Park
 - Highview Park
- Darch
- Girrawheen,
 - Blackmore Park
 - Ferrarra Park
 - Hainsworth Park
 - Hudson Park
 - Liddell Park
 - Montrose Park
- Gnangara
- Koondoola
 - Butterworth Park
 - Koondoola Park
 - Shelvock Park
- Landsdale
 - Warradale Park
- Madeley
- Marangaroo
 - Paloma Park
 - John Moloney Park
- Wangara
- Woodvale (part)

City of Wanneroo Active Reserves Master Plan

See **Attachment 1** for South Ward Aerial Plan.

Central Ward

- Ashby
- Banksia Grove
 - Peridot Park
 - Banksia Grove District Open Space*
- Carabooda*
- Carramar
 - Houghton Park
- Hocking
- Jandabup*
- Mariginiup*
- Neerabup*
- Nowergup*
- Pearsall
- Pinjar*
- Sinagra
- Tapping
 - Jimbub Reserve
- Wanneroo
 - Edgar Griffiths Park
 - Lake Joondalup Park
 - Scenic Park
- Wanneroo Showgrounds

See **Attachment 2** for Central Ward Aerial Plan.

North Coast Ward

- Alkimos*
- Butler
 - Kingsbridge Park
 - Butler North District POS
- Clarkson,
 - Riverlinks Park
 - Anthony Waring Park
 - Richard Aldersea Park
- Eglinton*
- Jindalee
- Merriwa
 - Addison Park
 - Dalvik Park
- Mindarie
 - Abbeville Park
- Quinns Rocks
 - Gumblossom Reserve
 - Belhaven Park
- Ridgewood
 - Ridgewood Park
- Tamala Park
- Two Rocks*
 - Charnwood Park
- Yanchep*
 - Oldham Park
- Yanchep Active Open Space

**Note that some suburbs were not included in the Active Reserve Master Plan as they formed part of the formerly titled North Ward prior to Council realignment.*

See **Attachment 3** for North Coast Ward Aerial Plan.

The Kingsway Regional Sporting Complex was not included in this study as a separate Master Plan for the reserve was completed in March 2011 and which is nearing completion.

Based on the revised study area, the furthestmost northern Active Reserve is the soon to be completed Yanchep Active Open Space, with Hainsworth Park in Girrawheen being the southernmost. Overall there are 39 Active Reserves (31 existing Active Reserves and 8 new Active Reserve) included in this study that varies in size, level of development and functionality, all of which however, being designated Neighbourhood or District Active Reserves (City of Wanneroo Local Planning Policy 4.3: Public Open Space).

1.4 STRATEGIC ALIGNMENT

The project actively supports two pillars of the City of Wanneroo Strategic Plan 2006-2021 in the following categories:

City of Wanneroo Active Reserves Master Plan

ENVIRONMENTAL

Aspiration: A healthy and sustainable natural and built environment

Objective 1.1 Environmentally friendly

Objective 1.2 Conserve water

The development of the Active Reserves Master Plan will encourage the use of water wise facilities and also consideration to the natural bushland and built parkland.

SOCIETY

Aspiration: Healthy, safe, vibrant and active communities

Objective 2.1 Great places and quality lifestyle

Objective 2.2 Healthy and Active people

The development of the Active Reserves Master Plan will provide facilities that provide community focal points, enable the community to be active and engaged and to lead quality lifestyles.

1.5 SCOPE AND DELIVERABLES

The study undertook to examine and investigate the following key conditions of existing active reserves within the study area.

Existing Facility Analysis

- Undertake an audit of the catchment population and demographics;
- Undertake an audit of the sporting clubs and the association's memberships within the catchment area;
- Identify the current usage level of existing facilities through the City's facility bookings software;
- Catalogue the type of infrastructure, its condition (include date of construction and/or any refurbishment/future renewal dates), location and functionality. Criteria should be referenced against the Local Planning Policy 4.3 - Public Open Space and the City's Assets Register;
- Accessibility and universal access;
- Land ownership including, land use restrictions, lot amalgamations, existing joint use agreements and surrounding land use (residential / commercial / bush forever); and
- Details of the size of the facility (against minimum sports field dimension requirements) and the sporting activities that can take place on these reserves (other than those that currently do); and
- Operating costs.

Future Impact Analysis

- Water Allocation (Hydrozoning);
- Environmental issues and approvals required;
- Planning approval requirements;
- Policy implications;
- Funding opportunities;
- Access inclusion;
- Re-zoning; and
- Demographic trend analysis.

City of Wanneroo Active Reserves Master Plan

Concept Plans and Costs

- Concept plans for each of the active reserves within the study area consisting of an aerial map with a scale overlay of the recommendations and legend detailing each action; and
- A Quantity Surveyor report for each of the active reserves within the study area based on the concept designs, including all costs associated with design, construction, contingencies and escalations.

Methodology

The methodology undertaken within the ARMP process was as follows:

1. Individual Park Analysis
2. Community Consultation (phase 1)
3. Develop recommendations
4. Draft Master Plan Designs
5. Cost Estimates
6. Prioritise
7. Community Consultation (phase 2)
8. Report back to Council

For the purposes of the ARMP process, an Active Reserve has been defined as an existing playing field or hard court (i.e. netball or tennis) that accommodates organised sport (i.e. competitive fixtures) or training that supports participation in organised sporting fixtures.

However, it is acknowledged that some of the identified facility upgrades accommodate informal sporting activity (i.e. 3 on 3 basketball court) and will provide an improved amenity for the community in general (i.e. additional car parking, path networks, provision of drinking fountains etc.).

Exclusions

- Detailed design and construction - the report will provide an assessment of need, feasibility and priority to proceed with future development of Active Reserves. Detailed design and construction will be a separate Project Plan; and
- Public consultation (project specific) - this will be conducted prior to detailed design of individuals projects on an as required basis.

Assumptions

- All approvals will be met by Council;
- Budget Approval;
- Grant funding secured (if applicable);
- City Officers will make themselves available to attend Project team meetings and provide input to the project as appropriate to their role; and
- User groups and the public are available and willing to participate in the consultation process.

Constraints

- Budget for implementation of recommendations;
- Availability of user groups;
- Availability of grant funding; and
- Timeframe in which to complete the Master Planning process.

City of Wanneroo Active Reserves Master Plan

1.6 CONSULTATION

The progression of the ARMP process was undertaken via two separate, but related processes. These included the South Ward Community Reference and Sporting User Group and the Central Ward and Coastal Ward Active Reserve Master Planning Process.

As a result, stakeholder consultation was undertaken using separate methodologies, however with a view to ensuring consistent data collection to allow for ease of analysis and comparison.

South Ward

The South Ward Community Reference and Sporting User Group (the Reference Group) was established as a result of Council considering report CD02-02/14 in relation to Petition PT04-10/13. As a consequence, Council resolved to authorise the formation of the Reference Group. The Terms of Reference for the Reference Group have been included in **Attachment 4**.

The Reference Group met on a total of seven occasions in the delivery on the Terms of Reference. The outcomes of this process were considered by Council at its meeting held on 28 April 2015, in which Council endorsed all recommendations of the Reference Group. A copy of the Council Report (CD01-04/15) has been included within **Attachment 5**.

Central & North Coast Wards

Stakeholder consultation for the Central and North Coast Wards was undertaken through an open public consultation process, consistent with the City's Community Engagement Policy. The key phases of this process were as follows:

Phase 1

The City sent an information letter inviting interested users of Active Reserves and residents within the catchment areas the opportunity to participate in an online survey. The survey sought to gather information on the current and future use of the reserves and included questions such as:

- Which Reserve(s) do you use and for what purpose?
- How many hours per week do you use a reserve(s)?
- How would you rate the facilities on the reserve(s)?
- What is the most important aspect when you visit a reserve?
- What prevents you from using a Reserve?

Comments for each of the specific reserves are captured within the Site Analyses:

- The South Ward received 25 responses - 15 from residents and 10 from club members. The priorities are turf, access to toilets, parking, shade/shelter and changerooms.
- The Central Ward received 35 responses - 29 from residents and 6 from club members. The priorities are access to toilets, turf condition, parking and changerooms.
- The North Coast Ward received 214 responses - 37 from residents and 177 from clubs members. It is noted that the significant number of club member responses can be attributed to 12 different clubs and primarily Quinns FC (31) Quinns Cricket (9) and Quinns Districts Junior and Senior Football (9). Priorities are turf condition, access to toilets and parking and changerooms.

City of Wanneroo Active Reserves Master Plan

Phase 2

- Workshop 1 - Facility Concept Development
- Workshop 2 - Concept Design Presentation

Workshops 1: Facility Concept Development

The purpose of Workshop 1 was to collect information from stakeholders on the specific requests for infrastructure upgrades on the active reserves.

Workshops 1 with the relevant stakeholder groups, City Officers and Elected Members were held on 15 September 2014 at Wanneroo Community Centre (Central Zone) and 22 September 2014 at Gumblossom Community Centre (Coastal Zone) respectively. Groups were invited to recommend upgrades and improvements to reserves by marking up aerial plans of each reserve and providing a brief description of their request.

These requests, along with the survey results from Phase 1 were collated and provided to landscape designers to prepare draft concept plans for each reserve. Each of the elements on the concept plans was then costed by an independent quantity surveyor to provide an order of magnitude budget for each reserve.

Workshops 2: Draft Facility Concept Plan

The purpose of Workshop 2 was to provide the stakeholders with a presentation of the draft concept plans for comment and input, prior to finalisation.

Workshops 2 with the relevant stakeholder groups, City Officers and Elected Members were held on 22 April 2015 at Gumblossom Community Centre (Coastal Zone) and 28 May 2015 at Wanneroo Community Centre (Central Zone).

All attendees from Workshop 1 were invited to attend to review the draft concept plans and provide feedback and confirmation of the stakeholder's acceptance of the concepts. Input from these workshops was used to further refine concepts where identified.

In advance of Workshops 2, internal presentations were made to the Elected Members to update them of the processes and the recommendations prior to presenting to the community. These were undertaken on 10 March 2015 (Coastal) and 17 March 2015 (Central).

Future Needs Identification

As a part of the ARMP process an extensive exercise to engage with State Sporting Association to determine what, if any, information was available in regards to strategic plans for their respective sports to provide an indication of future demand and therefore facility needs.

In total 18 State Sporting Associations were contacted by the City of Wanneroo requesting the provision of the following key data:

- Relevant strategic planning documentation in relation to the growth of the respective sport and future facility requirements;
- 2014 membership numbers for clubs that are affiliated with the respective Associations and which are based within the City of Wanneroo; and
- Projected membership numbers for those City of Wanneroo based clubs projected forward to 2019 and 2024.

City of Wanneroo Active Reserves Master Plan

Regrettably the rate of return on information the information requested was low. The City was able to meet with the West Australian Football Commission, Baseball WA, Football West, Hockey WA, WA Athletics, the West Australian Cricket Association (WACA) and Tennis West. Information was also provided by Netball WA.

While the information gained from these meetings assisted in the ARMP process, the format and consistency of the information received from each responding State Sporting Association was not suitable for comparison against other Associations' data. Whilst in isolation some of the data can be used for future requirements of individual sports they could not be used accurately in the development of demand analysis for the City moving forward.

In addition to those State Sporting Associations identified above, information was also sought from the following State Sporting Associations without success:

- West Australian Marathon Club;
- Gridiron West;
- Lacrosse WA Inc.;
- Western Australian Rugby League Ltd;
- Softball Western Australia Inc.;
- Tee-Ball Association of WA;
- Touch Football WA;
- Rollersports Association of WA Inc.;
- Federation Sport Bocce of WA Inc.; and
- Archery Western Australia.

South Ward, Central & North Coast Wards

Phase 3

The following Active Reserves Master Plan Interim Reports were provided to Council for consideration:

- South Ward ARMP: CD01-04/15 (OCM 28 April 2015; and
- Central Ward ARMP: CD04-11/15 (OCM 10 November 2015).

Council noted both reports and recommended that

The final draft of the City of Wanneroo active Reserve Master Plan Report will be presented to council in May 2016 due to the need to complete the demand forecasting.

Phase 4

In May 2016, a report was submitted to Council Forum on 31 May 2016 for discussion prior to consideration by Council at its meeting to be held on 21 June 2016 for approval to release the Draft Active Reserve Master Plan for public comment.

Phase 5

Phase 5 of the consultation process will involve the release of the Active Reserves Master Plan Report for wider public consultation and comment. The completed report will be released for comment under the parameters of the City's Community Engagement Policy. The consultation strategy for the study will be based upon consultation with the following Stakeholder Groups:

Internal City of Wanneroo Officers:

- Maintenance/ Assets/Property

City of Wanneroo Active Reserves Master Plan

- Mayor and Elected Members.
- Communications and Events
- Community Links
- Healthy Communities
- Youth Services

External:

- Existing user groups of the facility
- Relevant Government and Non-Government agencies
- Local residents

Phase 6

Draft City of Wanneroo Active Reserve Master Plan Report to Council, seeking final adoption as a working document. This is anticipated for September 2016.

2 KEY OUTCOMES

In undertaking the ARMP process, the outcomes sought were as follows:

- Identify agreed base principles/assumptions for each of the Active Reserves;
- Identify an agreed understanding of future usage for each of the Active Reserves;
- Identify required infrastructure upgrades, listed in an indicative priority order; and
- An agreed preliminary General Arrangement Concept for each Active Reserve.

2.1 BASE PRINCIPLES/ASSUMPTIONS

The agreed base principles/assumptions for each of the Active Reserves included in the ARMP process for each ward are as follows:

- The Active Reserve will continue to be used for both organised sport and passive recreational purposes, consistent with its designation as a Neighbourhood Park;
- The Active Reserve will continue to accommodate use by both junior and senior sports;
- Facility hire will continue to be managed by the City through its existing facility booking system and guided by the City's Facility Hire policy; and
- The will continue to be of a multi-purpose nature primarily (but not exclusively) providing for AFL, cricket, rectangular field sports (soccer and rugby) and diamond sports.

It should be noted that the above outcomes and agreed base principles/assumptions were consistent within all three Wards.

2.2 FUTURE USAGE

To provide some guidance on the determination of future uses of facilities, the study has investigated the existing levels of participation through the Australian Bureau of Statistics data for the participation rates in sport within Western Australia. These rates have been directly correlated against the increase in population for each of the wards providing guidance on the number of anticipated additional teams and participants for 2019 and 2024.

These figure as stated provide a guide and detailed demand analysis for each project identified within the study will be undertaken at the time of project delivery.

Regrettably the lack of strategic data from sporting association has not allowed the study to consider increased participation rates with each sport and a base line participation rate from the ABS data 2014 has been applied to projections. This has been outlined in more detail in Section 3.3 of this report.

2.3 PRIORITISATION OF IDENTIFIED INDIVIDUAL INFRASTRUCTURE PROJECTS

Project prioritisation has been undertaken using the matrix template and criteria as included within **Attachment 6**. The matrix and criteria is based on existing matrices used in the prioritisation of the City's dry parks, shade structures and playground upgrades.

The matrix template has been applied to each individual Active Reserve identified within the ARMP process, capturing each of the infrastructure upgrades identified by the Reference Group.

City of Wanneroo Active Reserves Master Plan

The matrix includes seven criteria in total (A1 to A7). A brief outline of each of the matrix criteria is provided below:

Table 1 - Prioritisation Matrix

<p>A1 - Current level of the reserve on average per week</p> <ul style="list-style-type: none"> Captures the current level of use of the Active Reserve, assigning a rating of 5 to the highest level of use and a rating of 1 to the lowest level of use.
<p>A2 - Would additional infrastructure on this reserve increase the current level of use?</p> <ul style="list-style-type: none"> Captures the impact of the infrastructure upgrade on the future use of the Active Reserve, assigning a rating of 3 for yes and 1 for no.
<p>A3 - SEIFA Index (Advantage & Disadvantage - ID Forecast)</p> <ul style="list-style-type: none"> The Social Economic Indexes for Areas (SEIFA Index) for Advantage and Disadvantage is taken from the City's ID Forecast modelling, which in turn is based on ABS 2011 data. The index represents relative levels of advantage and disadvantage for each suburb within the City based on the factors of income, education attainment, unemployment and occupation. The average score on the index is 1,000 (based on Australian average – population weighted); therefore a score > 1,000 have a relatively lower level of disadvantage, while scores of < 1,000 have a relatively higher level of relative disadvantage. On this basis a rating of 5 has been given to areas with the lowest score (therefore higher level of disadvantage) and a rating of 1 to areas with the highest score (therefore lower level of disadvantage).
<p>A4 - Prioritisation Rating By Administration</p> <ul style="list-style-type: none"> Captures the existing prioritisation given by Administration for each individual infrastructure upgrade identified for each Active Reserve. A rating of 5 has been given to the highest priority and a rating of 1 has been given to the lowest priority.
<p>A5 - Supporting amenities on site</p> <ul style="list-style-type: none"> Seeks to captures the impact a particular infrastructure upgrade has on the Active Reserve and its existing amenity. A high rating will be given to infrastructure upgrades that complement existing amenities and therefore further enhances provision on that site, where as a lower rating will be provided to infrastructure upgrades that do not.
<p>A6 - Local Planning Policy 4.3 – Public Open Space</p> <ul style="list-style-type: none"> Captures the assessment of the proposed infrastructure upgrade against the policy, providing a rating of 3 for items which are identified as minimum development requirements and a rating of 1 for items which are identified as overprovision within the policy.
<p>A7 - Precinct consideration</p> <ul style="list-style-type: none"> The criterion seeks to reflect the role of the Active Reserve within its precinct (catchment based on suburb or suburbs). If the role of the Active Reserve, or an individual infrastructure upgrade in the Active Reserve, is significant within the precinct, then a higher rating will be applied, compared to an infrastructure upgrade that is of a lower level of significance.

In addition to this, an updated project prioritisation schedule (reflecting Elected Member feedback), has also been provided in **Attachments 7, 8 and 9** for the South, Central and North Coast Wards respectively and has been used to inform the development of the 20 Year Capital Works Budget. The outcomes of this prioritisation have been identified in **Attachments 10, 11 and 12**.

2.4 CONCEPT DEVELOPMENT

Concept plans were developed as a result of the consultation process with stakeholders. Individual concept plans have been developed for each of the 31 Active reserves in the City and available in Section 4 of this report.

3 DEMOGRAPHICS AND PARTICIPATION

3.1 CITY OF WANNEROO OVERVIEW

The City of Wanneroo is one of the fastest growing local government areas in Australia, due to the expansion of the north and north-western suburbs of Perth.

The City of Wanneroo is located 22 km from the Perth CBD and covers an area of 68,561 hectares (686 km²). Currently the City's population is estimated at 179,813 and is expected to grow to over 251,904 by the year 2023 and 354,042 by 2036.

The City of Wanneroo currently provides a number of recreational opportunities through its provision of active playing fields, tennis and netball courts, skate parks and passive parks for clubs, organisations and individuals.

Through other consultation processes, user groups have identified various issues related to desirable re-development and future provisions of active open space which include, but are not limited to:

- Provision of hard courts (tennis, netball and half courts);
- Assessment of the viability and location of its infrastructure;
- Integration and connection between areas within an active reserve;
- Poor visibility due to location of various facilities including, change rooms, skate parks and tennis courts;
- The further development of neighbouring facilities;
- Access to facilities and ovals;
- Car parking requirements;
- Impact of any future development on the existing bushland; and
- Conflicting uses of some reserves.

Given the City of Wanneroo's growing population, it is anticipated that the level of use of active reserves will increase, hence putting further pressure on the existing facilities. As a result, it is critical that an evidence base and prioritised program of infrastructure upgrades and new infrastructure development requirements is developed to ensure these facilities meet the current and future needs of the community.

3.2 POPULATION PROJECTIONS

The population analysis was undertaken using the City's Forecast ID statistics for the relevant suburbs within 5 years and 10 years of the study date.

The following tables are a summary of each suburb analysis, which were used in the assessment process. (Population and household forecasts, 2011 to 2036, prepared by .id the population experts, November 2013)

3.2.1 South Ward

Within the South Ward of the City the population levels are predicted to increase by 9,728, however the increases are predominantly specific to the developing suburbs of Darch (1880) and Landsdale (6090), with projected infill development within Girrawheen (1374) being noticeably higher than the other suburbs which are projected to increase or decrease in the case of Marangaroo by less than 300.

As a consequence of this population profile, the Active Reserves within the South Ward will need to ensure they have the necessary flexible infrastructure to be able to accommodate for

City of Wanneroo Active Reserves Master Plan

changing uses over time, as both the population profile and sporting participation trends change.

Individual suburbs are shown as **Attachment 13**.

Table 2 - South Ward Population Forecasts

South Ward Summary - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	3636	7.33	3394	7.20	4492	7.57	856
5 to 9	3663	7.38	3204	6.80	4388	7.40	725
10 to 14	3572	7.20	3206	6.80	4173	7.03	601
15 to 19	3771	7.60	3281	6.97	4114	6.93	343
20 to 24	3626	7.31	3539	7.51	4097	6.91	471
25 to 29	3693	7.44	3567	7.57	4382	7.39	689
30 to 34	3788	7.64	3511	7.45	4505	7.59	717
35 to 39	3718	7.50	3525	7.48	4606	7.76	888
40 to 44	3921	7.90	3384	7.18	4634	7.81	713
45 to 49	3633	7.32	3443	7.31	4295	7.24	662
50 to 54	3284	6.62	3157	6.70	3932	6.63	648
55 to 59	2659	5.36	2772	5.88	3313	5.58	654
60 to 64	2184	4.40	2259	4.79	2760	4.65	576
65 to 69	1737	3.50	1793	3.81	2094	3.53	357
70 to 74	1183	2.38	1367	2.90	1536	2.59	353
75 to 79	771	1.55	889	1.89	1073	1.81	302
80 to 84	454	0.92	489	1.04	576	0.97	122
85 and over	312	0.63	333	0.71	361	0.61	49
Total persons	49,605	100	47,112	100	59,333	100	9,728

3.2.2 Central Ward

The growth predictions within the Central Ward show a more evenly spread increase across the majority of the suburbs. The increases are Banksia Grove (5,994), Wanneroo (4,957), followed by Ashby-Sinagra (3,104), Carramar (1,205) with Tapping only having a slight projected increase of 210.

The population increases in all areas of the Central Ward is primarily young families and the Active Reserves within the Central Ward will need to provide flexible facilities and infrastructure that can grow with and accommodate the growing population and their variety of recreational needs.

Individual suburbs are shown as **Attachment 14**.

City of Wanneroo Active Reserves Master Plan

Table 3 - Central Ward Population Forecasts

Central Ward Summary Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	3,823	10.95	4,464	9.06	5,286	9.14	1,463
5 to 9	3,579	10.25	4,213	8.55	4,973	8.60	1,394
10 to 14	3,022	8.65	3,756	7.63	4,381	7.57	1,359
15 to 19	2,878	8.24	3,297	6.69	3,925	6.78	1,047
20 to 24	3,087	8.84	3,557	7.22	4,088	7.07	1,001
25 to 29	3,519	10.08	4,093	8.31	4,855	8.39	1,336
30 to 34	3,663	10.49	4,160	8.45	4,942	8.54	1,279
35 to 39	3,460	9.91	4,121	8.37	4,747	8.20	1,287
40 to 44	3,390	9.71	3,882	7.88	4,546	7.86	1,156
45 to 49	2,805	8.03	3,404	6.91	3,854	6.66	1,049
50 to 54	2,270	6.50	2,653	5.39	3,170	5.48	900
55 to 59	1,688	4.83	1,991	4.04	2,354	4.07	666
60 to 64	1,521	4.35	1,597	3.24	1,914	3.31	393
65 to 69	1,240	3.55	1,331	2.70	1,455	2.51	215
70 to 74	934	2.67	1,076	2.18	1,226	2.12	292
75 to 79	643	1.84	763	1.55	960	1.66	317
80 to 84	470	1.35	506	1.03	680	1.18	210
85 and over	386	1.11	395	0.80	503	0.87	117
Total persons	34,927	100	49,257	100	57,859	100	15,481

3.2.3 North Coast Ward

The North Coast Ward shows the largest increase in population, as would be expected, with the projected development rates in the area. Alkimos leads the population increase with 13,934 followed by Yanchep (7,973), Clarkson (4,718), Butler (4,683), Two Rocks (3,425), Mindarie (1,703) and the remaining suburbs of Merriwa, Ridgewood and Quinns Rocks having increase of less than 300.

The key areas of increase for this ward are young families, which are the sporting participants of the future and the existing and new facilities planned within the North Coastal Ward will be required to flexible in nature to provide access to infrastructure that can accommodate a wide variety of sports and recreational activities.

Individual suburbs are shown as **Attachment 15**.

City of Wanneroo Active Reserves Master Plan

Table 4 - North Coast Ward Population Forecasts

North Coast Ward Summary - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	6,013	9.09	7,984	9.33	9,579	9.29	3,566
5 to 9	5,471	8.28	7,345	8.58	8,945	8.68	3,474
10 to 14	5,054	7.64	6,540	7.64	8,091	7.85	3,037
15 to 19	4,952	7.49	5,912	6.91	7,125	6.91	2,173
20 to 24	4,703	7.11	5,855	6.84	6,638	6.44	1,935
25 to 29	5,093	7.70	6,684	7.81	7,539	7.31	2,446
30 to 34	5,152	7.79	7,149	8.35	8,490	8.23	3,338
35 to 39	5,207	7.88	7,070	8.26	8,877	8.61	3,670
40 to 44	5,613	8.49	6,772	7.91	8,562	8.30	2,949
45 to 49	4,851	7.34	6,290	7.35	7,425	7.20	2,574
50 to 54	3,681	5.57	4,978	5.82	6,134	5.95	2,453
55 to 59	2,572	3.89	3,637	4.25	4,590	4.45	2,018
60 to 64	2,149	3.25	2,701	3.16	3,399	3.30	1,250
65 to 69	1,832	2.77	2,186	2.55	2,577	2.50	745
70 to 74	1,400	2.12	1,706	1.99	2,010	1.95	610
75 to 79	1,057	1.60	1,241	1.45	1,442	1.40	385
80 to 84	705	1.07	883	1.03	993	0.96	288
85 and over	609	0.92	675	0.79	690	0.67	81
Total persons	66,114	100.00	85,606	100.00	103,109	100.00	36,992

City of Wanneroo Active Reserves Master Plan

3.3 PARTICIPATION

3.3.1 State Sporting Association Projections

The City contacted 18 State Sporting Associations (SSA) to gather what, if any, plans and data they had on future participation numbers. The following SSAs were contacted:

- Athletics WA
- Little Athletics WA
- Baseball WA
- WA Cricket Association
- WA Football Commission
- WA Amateur Football League
- Football West
- Gridiron West
- Hockey WA
- Lacrosse WA
- Netball WA
- WA Rugby League
- WA Rugby Union
- Softball WA
- Tee-Ball Association of WA
- Tennis West

The following questions were asked:

- What plans does the SSA have for the development of the sport into the future?
- Specific grades levels etc. ladies junior elite?
- Are there any key factors that are likely to drive the development of the sport?
- What support is in place to assist club development into the future?
- What level of facility models does the SSA operate by and what grade/level of play is expected?
- Within the Wanneroo area what is the anticipated participation rates into the future?
- Is there a model for the creation of teams within the sport?
- Supporting documentation?
- What support does your sport need from City of Wanneroo?

Majority of the SSAs had little information on future participation figures that could be applied to this report. Many recognised the significant growth within the City, in particular in the northern corridor and indicated a desire to develop their sport in the area at some point in the future but had no strategic plan or data to support their case and any facility upgrades are generally driven by demand. The table below is a summary of the data collected from the SSAs.

Table 5 - State Sporting Association Comments

SSA	Comment
Athletics Western Australia	Work closely with Little Athletics to develop senior pathways, however do not have specific growth projections. Expect athletics to continue to increase in numbers over the next few years.
Baseball WA Ltd	Do not keep information on future participation rates, however have identified gap in Ellenbrook area.
Football West Limited	Football West have a facility standard requirements document, however there is no set criteria for developing clubs. Do not keep information on future participation rates.
Gridiron West	Phone conversation was had however no information on future participation rates was kept.
Hockey WA	Hockey WA Strategic Plan 2011-15 identifies limited facilities in the State with a turf to player ratio of 1:1300 (worst of all States). Currently no hockey clubs within CoW. WA numbers have increased to 28,000 participants, 21,000 juniors (2014 Annual Report).

City of Wanneroo Active Reserves Master Plan

Lacrosse WA Inc.	No response received
Little Athletics WA	No response received
Netball WA	Netball WA Strategic Facilities Plan and the Netball Australia National Facilities Policy both refer to strategic facility planning. CoW has been identified as an area of future growth for additional 1 District Indoor and 1 District Outdoor facility by 2026.
Softball Western Australia Inc.	No response received
Tee-Ball Association of WA	No response received
Tennis West	No response received
Touch Football WA	No response received
West Australian Marathon Club	Approx. 1,500 members, no strategic planning and don't actively try to increase participation - find it happens naturally through Fun runs, Olympics etc.
Western Australian Amateur Football League Inc.	No response received
Western Australian Cricket Association Inc.	Do not keep information on future participation rates.
Western Australian Football Commission Inc.	Provided Auskick information for relevant areas in Brighton, Quinns Districts and Yanchep.
Western Australian Rugby League Ltd	This is no league in the City of Wanneroo and they do not keep information on future participation rates.

While the information gained from these meetings assisted Administration in the ARMP process, the format and consistency of the information received from each responding State Sporting Association was not suitable for comparison against other Associations' data. Whilst in isolation some of the data can be used for future requirements of individual sports they could not be used accurately in the development of demand analysis for the City moving forward.

3.3.2 National Statistics

The Australian Bureau of Statistics (ABS) is the official statistical organisation for Australia and collects data on sport and recreation participation. 2177.0 - Participation in Sport and Physical Recreation, Australia, 2013-14 (latest release) shows the participation percentage of the top 55 activities for Australians aged 15 and over:

“Of the Australian population aged 15 years and over, an estimated 60% (11.1 million people) reported that they had participated in sport and physical recreation at least once during the 12 months prior to the interview in 2013–14, compared with 65% in 2011-12.”

The table below is a summary of this report and shows the percentages of the Australian population aged 15 years and over that participate in the sports relevant to this project and listed in the top 55 activities:

Table 6 – Australian Participation Percentages

Sport	Participation %
Athletics, track and field	0.6
Australian Rules football	1.2
Outdoor cricket	1.2
Netball (Indoor and outdoor)	2.2
Rugby league	0.5

City of Wanneroo Active Reserves Master Plan

Rugby union	0.5
Outdoor soccer	2.4
Softball / Tee ball	0.2

3.3.3 City of Wanneroo Statistics

The National statistics above have been applied to the City's population projections in attempt to estimate the number of future participants by 2024. Given the relative age of the ABS data (2013/14), assumptions have been made that participation rates will remain constant, however there will be fluctuations based on trends occurring within the next ten years. These figures provided within the report act as a guide and as each project is brought to the delivery stage within the City's Capital Works Program, detailed analysis of the levels of participation for each project will be undertaken to confirmed the scope and need for the project to proceed.

The following table and graph provides an overview of participation rates within the City by 2024. In addition to this, the draft ARMP report endeavours to provide an initial indication of what this might mean in respect to the number of additional Active Reserves that may be required to service this growth.

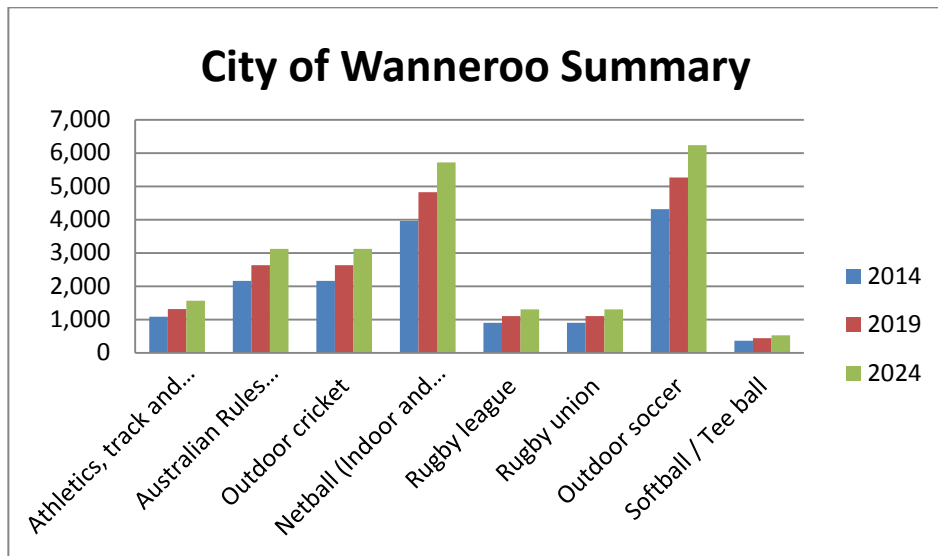
Table 7 - City of Wanneroo Participation Numbers

Sport	2014	2019 Estimate	Change from 2014-2019		2024 Estimate	Change from 2019-2024	
			Players	Teams		Players	Teams
CoW Population	179,813	219,320	+39,507		259,803	+40,483	
Athletics, track and field	1,079	1,316	+237	237	1,559	+243	243
Australian Rules football	2,158	2,632	+474	26	3,118	+486	27
Outdoor cricket	2,158	2,632	+474	43	3,118	+486	44
Netball (Indoor and outdoor)	3,956	4,825	+869	124	5,716	+897	128
Rugby league	899	1,097	+198	15	1,299	+202	16
Rugby union	899	1,097	+198	13	1,299	+202	13
Outdoor soccer	4,316	5,264	+948	86	6,235	+971	88
Softball / Tee ball	360	439	+79	8	520	+81	8

Whilst the preliminary demand analysis makes the assumption that participation rates will remain constant, in reality, there will be fluctuations based on individual sporting trends over the next ten year period. As a result, the data provided seeks to provide a guide of likely participation rates.

City of Wanneroo Active Reserves Master Plan

Table 8 - City of Wanneroo Participation Projections

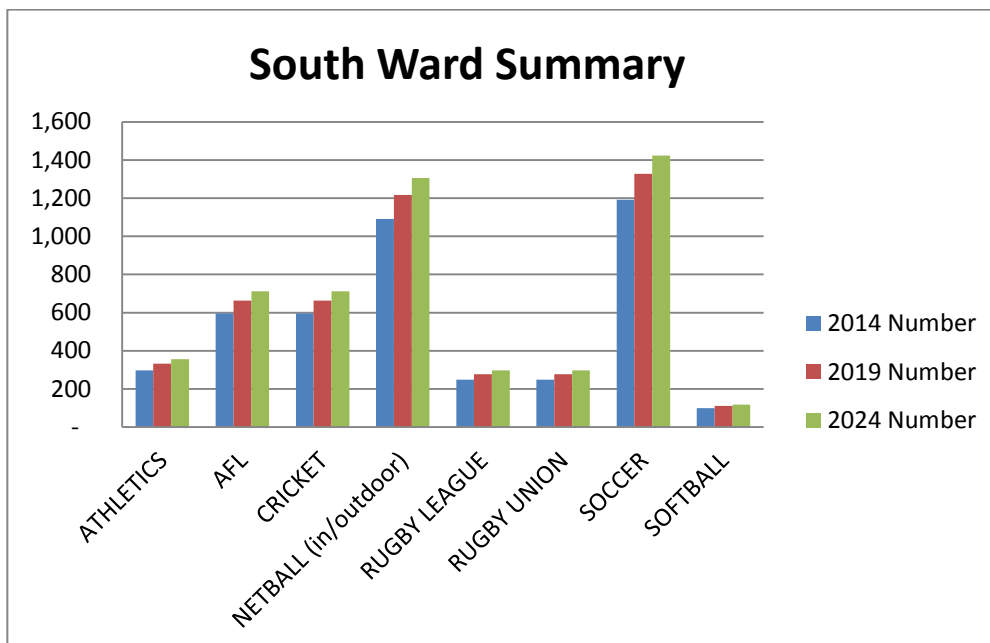


The City’s significant population increase is reflected in the growth in the number of sports participants. The highest participation sports are Soccer and Netball with Australian Rules Football and Cricket. However the growth in each sport is anticipated to be consistent across all sports.

South Ward

As shown in the table below the two most popular sports in the South Ward are Netball and Soccer. While netball is currently catered for at Kingsway Regional Sporting Complex, the provision of additional soccer amenities can be catered for via the installation/upgrades of floodlighting and amenities at Alexander Heights Park, Blackmore Park, Butterworth Park, Ferrara Park, Hudson Park, Koondoola Park, Liddell Park and Shelvock Park. South Ward suburb breakdowns are in **Attachment 16**.

Table 9 - South Ward Participation Projections

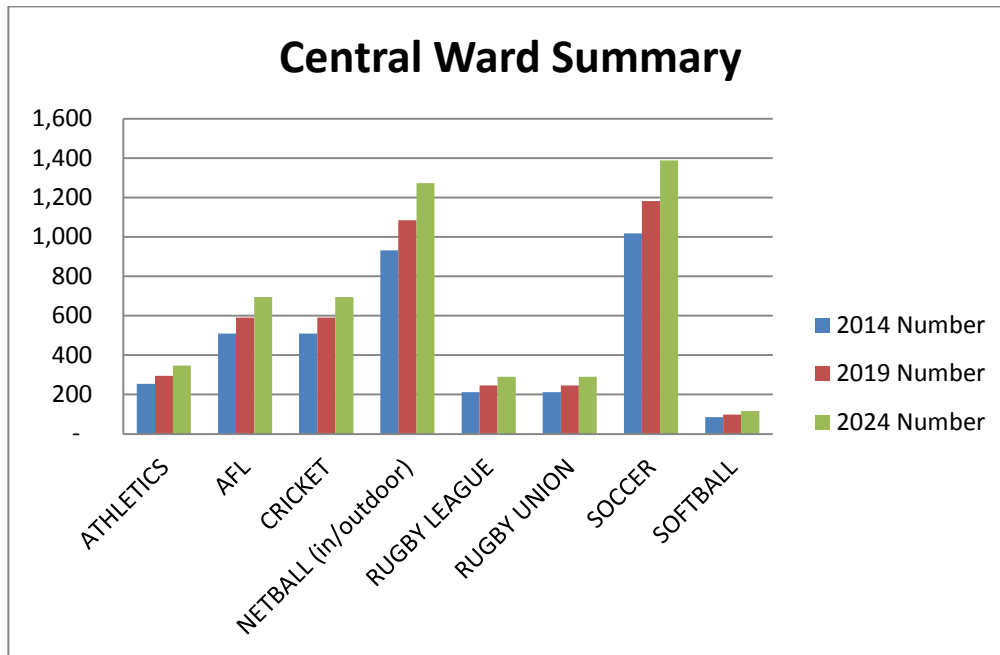


City of Wanneroo Active Reserves Master Plan

Central Ward

As shown in the table below the two most popular sports in the Central Ward are again Netball and Soccer. Netball is currently catered for at Kingsway Regional Sporting Complex and the provision of additional soccer amenities can be catered for via upgrades to Houghton and Scenic Parks. In addition the Banksia Grove District Open Space will offer three soccer pitches by 2016 with changerooms and floodlighting to be completed by 2018. Central Ward suburb breakdowns are in **Attachment 17**. As identified within the report the provision of infrastructure should be flexible and able to accommodate multiple sports.

Table 10 - Central Ward Participation Projections



North Coast Ward

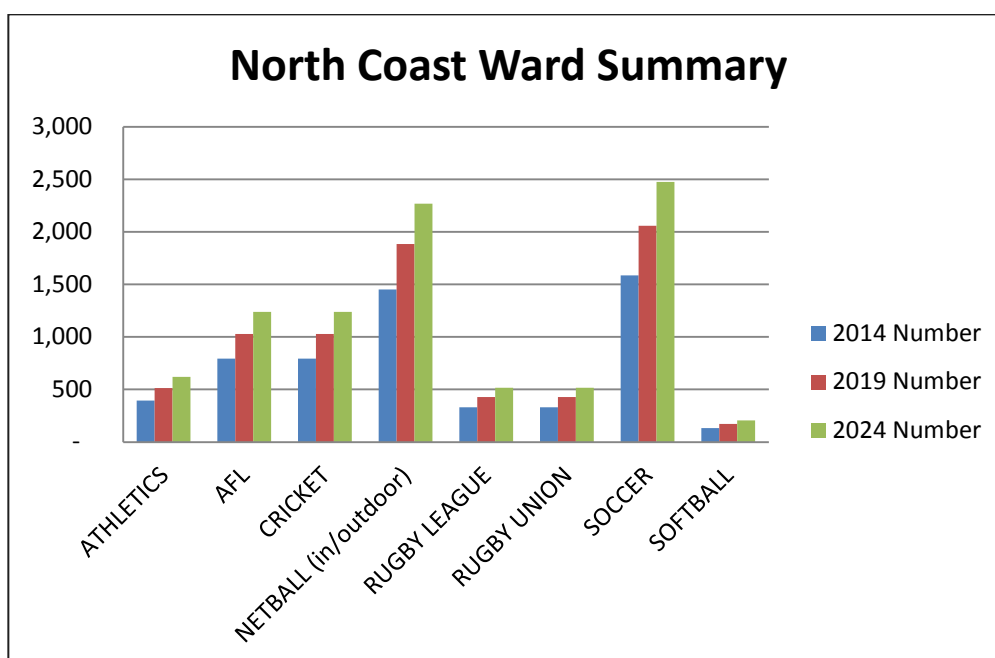
As shown in the table below the two most popular sports in the Central Ward are again Netball and Soccer. Whilst competition level netball is catered for at Kingsway Regional Sporting Complex, additional training facilities are limited within the Ward, with limited provision currently at Gumblossom and Kingsbridge Parks.

The analysis identifies the need to maximise the flexibility within the existing facilities in the North Coastal Ward to accommodate both rectangular field sports and oval field sports, existing facilities require upgrading and expansion to meet the needs of the growing community.

Additional facilities will be provided at Butler North District Space (16 hardcourts and two multipurpose playing areas) and Amberton District Open Space (two senior multipurpose playing areas). North Coast Ward suburb breakdowns are in **Attachment 18**.

City of Wanneroo Active Reserves Master Plan

Table 11 – North Coast Ward Participation Projections



3.4 PRELIMINARY DEMAND ANALYSIS

The table below is an estimate of the total number of facilities required to cater for the increased participation up until 2024. This need will be fundamentally to be met through the development and upgrade of existing facilities and infrastructure. In the new developing area this will be supported by the provision of new facilities in line with urban development rates.

For example there is an estimated increase in AFL across the City of 41 teams. Given one AFL oval has the carrying capacity to support four teams a total of 11 senior sized floodlit AFL facilities will be required to cater for the increased demand by 2024.

Table 12 - City of Wanneroo Facilities Required

Sport	Increase in participation	Carrying capacity per playing area	No. Facilities Required
AFL	41 teams	4 teams	11
ATHLETICS	373 athletes	Up to 300 athletes	2
CRICKET	69 teams	2 teams	35
NETBALL (in/outdoor)	196 teams	10 teams	20
RUGBY LEAGUE	24 teams	4 teams	6
RUGBY UNION	20 teams	4 teams	5
SOCCER	135 teams	4 teams	34
SOFTBALL	12 teams	2 teams	6

City of Wanneroo Active Reserves Master Plan

The following tables break down the number of facilities required per ward.

South Ward

Table 13 – South Ward Facilities Required

Sport	Increase in participation	Carrying capacity per playing area	No. Facilities Required
AFL	6 teams	4 teams	2
ATHLETICS	58 athletes	Up to 300 athletes	1
CRICKET	11 teams	2 teams	5
NETBALL (in/outdoor)	31 teams	10 teams	3
RUGBY LEAGUE	4 teams	4 teams	1
RUGBY UNION	3 teams	4 teams	1
SOCCER	21 teams	4 teams	1
SOFTBALL	2 teams	2 teams	1

As the South Ward is mostly built-out any additional demand will be accommodated within the upgrade and development of existing active reserves.

For example oval sports will be met by the upgrade of Koondoola, Highview, Hudson and Paloma Parks, rectangular sports through Shelvock and Liddell Park upgrades, netball demands are met through Kingsway Regional Sporting Complex and small ball sports (softball, baseball, tee ball) via John Maloney and Kingsway

Opportunities however exist to develop shared use arrangements with the Department of Education for playing areas in Landsdale developments.

Central Ward

Table 14 – Central Ward Facilities Required

Sport	Increase in participation	Carrying capacity per playing area	No. Facilities Required
AFL	10 teams	4 teams	2
ATHLETICS	93 athletes	Up to 300 athletes	1
CRICKET	17 teams	2 teams	8
NETBALL (in/outdoor)	49 teams	10 teams	5
RUGBY LEAGUE	6 teams	4 teams	2
RUGBY UNION	5 teams	4 teams	1
SOCCER	34 teams	4 teams	8
SOFTBALL	3 teams	2 teams	2

The identified demand for the Central Ward will be catered for by developing of Jimbub Reserve, Edgar Griffiths Reserve, Lake Joondalup for oval field sports and rectangular sports at Scenic, Houghton and Peridot Park. Banksia Grove District Open Space incorporating the joint use facility at Joseph Banks Secondary College will provide a flexible facility to accommodate a variety of sports including a netball opportunity for a shared use arrangement with Joseph Banks Secondary College which will provide eight multipurpose hardcourts when completed.

City of Wanneroo Active Reserves Master Plan

North Coast Ward

Table 15 - City of Wanneroo Facilities Required

Sport	Increase in participation	Carrying capacity per playing area	No. Facilities Required
AFL	25 teams	4 teams	6
ATHLETICS	222 athletes	Up to 300 athletes	1
CRICKET	41 teams	2 teams	20
NETBALL (in/outdoor)	116 teams	10 teams	12
RUGBY LEAGUE	14 teams	4 teams	3
RUGBY UNION	12 teams	4 teams	3
SOCCER	80 teams	4 teams	20
SOFTBALL	7 teams	2 teams	3

The facilities required for the North Coast Ward can be catered for by a number of proposed projects. Riverlinks Park, while currently providing for soccer, can be developed as a multipurpose reserve to have the future capacity to cater for other sports such as AFL, Cricket and both Rugby codes as demand dictate. The installation of floodlighting and extensions to the oval at Addison Park will allow for the provision of senior AFL and Cricket. Dalvik Park is currently only used by Alkimos Baptist College and has the capacity to be developed into a senior sized flexible sporting reserve for a variety of sports.

Within the Yanchep/Two Rocks area the development of Charnwood Park as a multi-purpose sporting venue and the provision of new facilities at Yanchep Active Open Space will support the growing population in the area.

New facilities such as the Butler North District Open Space and the Amberton District Open Space will provide over 20 multipurpose hardcourts, 7 AFL/Cricket ovals and 14 soccer pitches by 2020.

4 SITE ANALYSIS AND MASTERPLANS

A Site Analysis was undertaken for each the active reserves listed below. The investigation considered features such as Location, Existing Infrastructure and Condition, Usage and Limitations, Future Impacts and Site Limitations and Recommendations.

The Site Analysis' were then provided to the Landscape Architects who developed the recommendations into Concept Plans for each active reserve which were overlaid onto aerial maps. Cost Estimates were then undertaken by a Quantity Surveyor to provide an estimated project cost for each project.

4.1 SOUTH WARD

- 4.1.1 Alexander Heights
- 4.1.2 Blackmore Park
- 4.1.3 Butterworth
- 4.1.4 Cabrini Park
- 4.1.5 Ferrara Park
- 4.1.6 Hainsworth Park
- 4.1.7 Highview Park
- 4.1.8 Hudson Park
- 4.1.9 John Maloney Park
- 4.1.10 Koondoola Park
- 4.1.11 Liddell Park
- 4.1.12 Montrose Park
- 4.1.13 Paloma Park
- 4.1.14 Shelvock Park
- 4.1.15 Warradale Park

4.2 CENTRAL WARD

- 4.2.1 Edgar Griffiths Park
- 4.2.2 Houghton Park
- 4.2.3 Jimbub Park
- 4.2.4 Lake Joondalup Park
- 4.2.5 Peridot Park
- 4.2.6 Scenic Park
- 4.2.7 Wanneroo Showgrounds

4.3 NORTH COAST WARD

- 4.3.1 Abbeville Park
- 4.3.2 Addison Park
- 4.3.3 Anthony Waring
- 4.3.4 Belhaven Park
- 4.3.5 Dalvik Park
- 4.3.6 Gumblossom Park
- 4.3.7 Kingsbridge Park
- 4.3.8 Richard Aldersea Park
- 4.3.9 Ridgewood Park
- 4.3.10 Riverlinks Park

4.1 SOUTH WARD

4.1.1 Alexander Heights Park

Location

This Park is located on Greenpark Road, Alexander Heights. The site contains three lots, two are registered under lot 10076 and the third lot 5482 is located in the south eastern corner owned by the Water Corporation. Lots Numbered 10076 are located on Reserve No 36585 but are separated by lot 5483 which is currently defined by the City's GIS as a Community purpose site. Alexander Heights Park has an overall land area of approximately six hectares classifying the Park as a Neighbourhood Park. The Park is Crown Land vested to the City of Wanneroo for the purpose of public recreation.

Alexander Heights is bounded by residential properties on the south and north. To the east is Alexander Drive, the border for the City of Wanneroo and City of Swan. The West is also residential and Alinjarra Village. The land on which the Park is on is flat.

In terms of future facility requirements for the Park, the population growth within Alexander Heights and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

Facility	Amenity	Size
Toilet block	Male	1 toilet (non-compliant)1 urinal
	Female	2 toilets 1 (non-compliant toilet)
Active Reserve	Soccer	90m x 45m senior size soccer pitch (to the south of the cricket wicket)
	Cricket	Diameter 118m approx. (junior)
	AFL	140m x 110m (senior)
Playground Facility	Combination Unit –Large	
	Double Swing	
Park Benches	4 benches	N/A
Cricket Nets	2 cricket nets	25m x 11m
Car Park	Bitumen 40 bays	
Floodlighting	2 light poles on the playing field	Currently do not meet the Australian Standard for large ball sports training
Water and Power	Service to the toilet block	N/A

Usage and Limitations

- The Park currently has one annual hirer, being Boss Fitness Personal Training services, which use the Park three times a week on Monday (6:00am to 7:00am), Thursday and Friday (6:00am to 6:30am) during the winter. Monday through to Thursday 6:00am to 7:00am during the summer; and
- Historically use of the facilities at the Park has been limited by the condition of the existing infrastructure.

Infrastructure Condition

- The toilet block is aging and due numerous break ins and remedial security works the facility looks very unappealing;

City of Wanneroo Active Reserves Master Plan

- The southern area of the oval has had an Underground Drainage Storage System installed underneath the surface. This was installed in April to July 2014;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux);
- The irrigation infrastructure is not hydro zoned;
- City has not recently received any complaints from user groups regarding the condition of the surface however, the Personal trainers have commented on the poor condition of the lights; and
- Disabled toilets do not comply with the Building Code of Australia.

Future Impacts, Site limitations

Key points to consider;

- Lot 5483 located in the Northern section of park is listed by the City's GIS as a Community Purpose site. In 2013 Council sought expressions of interest for possible suitors. Strong community feedback was for this site to be retained as bush parkland;
- The underground drainage storage system installed underneath the southern end of the ground will require consideration in any proposed ground works;
- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits also important to note that the Melaleuca trees around Alexander Heights Park are listed on the City's Heritage Inventory list;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- The Park is made up of one lot which would not require amalgamation of lots
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Recommendations

Item	Indicative Cost	Priority
Outdoor fitness circuit around the perimeter of the park	\$36,000	1
Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting	\$95,260	2
Disc Golf	\$25,000	3
Clearing of undergrowth on perimeter of the Park	Maintenance budget	4
Combination goals	Maintenance budget	5
Maintenance of existing lighting	Maintenance budget	6
Total	\$156,260	

City of Wanneroo Active Reserves Master Plan

Alexander Heights Park Cost Report



Alexander Heights Park, Alexander Heights

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	ALEXANDER HEIGHTS PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	163,100
XB	Outbuildings and Covered Ways	241,000
XL	Landscaping and Improvements	711,100
XW	External Water Supply	1,000
XE	External Electric Light and Power	190,000
PR	Preliminaries	105,800
	Net Project Cost	1,412,000
	Planning Contingency (5%)	71,000
	Design Contingency (10%)	142,000
	Construction Contingency (5%)	71,000
	Professional Fees (10%)	163,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,859,000
	Escalation to Tender (12 months)	48,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,907,000
	GST	190,700
	ESTIMATED TOTAL COMMITMENT (Incl GST)	2,097,700

City of Wanneroo Active Reserves Master Plan

4.1.2 Blackmore Park

Location

This Park is located on the corner of Blackmore Avenue, Girrawheen. The site is divided into four lots; Lot Numbers 9429 and 10891 are both allocated Reserve No 33869, lots 210 and 703 are not allocated to reserve numbers. Blackmore has an overall land area of approximately five hectares classifying the Park as a Neighbourhood Park. Lots 9429 and 10891 are Crown Land vested to the City of Wanneroo for the purpose of public recreation. Lots 210 and 703 are nominated as freehold land both are to the east of the reserve.

Blackmore Park is bounded by residential properties on the west, south and east. To the North there is a pending residential development which was once the Blackmore Primary School site. The land on which the Park on is a relatively flat site.

Existing Infrastructure

Existing facilities on the Park include:

Facility	Amenity	Size
Toilet Block	Male	1 toilet (non-compliant)1 urinal
	Female	2 toilets 1 (non-compliant toilet)
Active Reserve	Soccer	107m x 57m (senior) east of the cricket wicket
	Cricket	Diameter approx. 113m (Senior)
	AFL	124m x 113m (junior)
	Soccer	100m x 50m (senior)
Playground Facility	Double Swing	
	Spring Rocker	
	Small Combination Unit – Sand Softfall	
	Large Combination Unit – Rubber Softfall	
Basketball Facility	Concrete pad with back board	3 on 3 concrete pad 8m x 8m
Park Benches	7 benches	N/A
Cricket Nets	2 cricket nets	25m x 11m
Car Park	33 car park bays	43m x 34m
Floodlighting	2 light poles	Currently do not meet the Australian Standard for large ball sports training
Water	Service to the Clubroom	N/A
Power	Service to the Clubroom	N/A

Usage and Limitations

- The Park currently has two winter seasonal bookings, Greyhounds Christian Soccer Club Juniors (Tuesdays 4pm to 6pm) and Seniors (Tuesday and Thursday 6:00pm to 8:00pm) utilising the venue for training;
- The Park currently has one summer seasonal booking, junior cricket team Warwick Greenwood utilising the venue for training and competition (all weekdays 4:30pm to 6:30pm and Saturday and Sunday 8:00am to 12:00pm);
- There has not been a casual booking at the Park in some time; and
- Historically use of the facilities at the Park has been limited by the condition of the existing infrastructure and also demand for these facilities within the South Ward.

City of Wanneroo Active Reserves Master Plan

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The Toilet block was constructed in 1994, aesthetically, the facility is poor and does not cater for sports teams participating in competition activities at the ground;
- Minimal security lighting on the toilet block;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux);
- The irrigation infrastructure is not hydro zoned ;
- City has not recently received any complaints from user groups regarding the condition of the Blackmore Park surface;
- Disabled toilets do not comply with the Building Code of Australia;
- Backboard on the basketball facility is safe but has aged;
- No lighting on the basketball facility; and
- Playground was replaced as part of the City's playground renewal program in 2014.

Future Impacts, Site limitations

Key points to consider;

- Any proposed works would need to consider the requirement to amalgamate the existing four lots into one;
- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

The Reference Group held its second meeting was on 10 September 2014, and amongst other items, considered report 4.2 – Girrawheen Active Reserve's Analysis.

Addition of Water Parks/Play activities to the existing play facilities at the Park;

- Floodlighting of the active reserve (playing field) to large ball sport training level;
- Refurbishment of the cricket nets and 3 on 3 basketball facilities;
- Installation of BBQ and Gazebo area at the park;
- Fitness equipment circuit to installed around the park;
- Kids racetrack to located somewhere on the Park site;

City of Wanneroo Active Reserves Master Plan

- Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with Security lighting; and
- Installation of Shade sails to the playground amenities.

Recommendations

Item	Indicative Cost	Priority
Floodlighting of the active reserve (playing field) to large ball sport training level	\$250,000	1
Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting	\$70,290	2
Installation of Shade sails over existing playground equipment	\$15,000	3
Refurbishment of the cricket nets; Refurbishment of 3 on 3 basketball facilities	\$45,000 \$20,000	4
Installation of BBQ and Gazebo area within the park boundaries	\$35,000	5
Kids racetrack	\$7,500	6
Outdoor fitness circuit around the perimeter of the park	\$36,000	7
Installation of Water Park themes and play activities to support existing on site play amenities	\$100,000	8
Total	\$578,790	

City of Wanneroo Active Reserves Master Plan

Blackmore Park Master Plan



Principle:
Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for AFL, cricket and rectangular field sports (soccer and rugby) with the ability to meet changing needs in the future.

Issues & Considerations:

- Not all toilets to standard,
- No security lighting on toilet block,
- Ground lighting not to standard,
- No lighting on basketball facility,
- Capacity of power supply unknown
- No change room facilities,
- Aged backboard on basketball facility
- Ground irrigation appears to have low Distribution Uniformity (DU), hydrozones have not been implemented.

Recommendations:

- A** Upgrade floodlighting of the playing field to lux on 4 towers,
- B** Security lighting on toilet block and basketball facility,
- C** Extend toilets to provide club room and storage facilities (minimum floor area of 20m²),
- D** Upgrade toilets to comply with standards,
- E** Repair/renew backboard on basketball facility,
- F** Implement hydrozones, improved irrigation DU,
- G** Path network of 639m on perimeter of park, connecting infrastructure, park benches & supporting security lighting,
- H** Installation of Shade sails over existing playground equipment,
- I** Refurbishment of the cricket nets and 3 on 3 basketball facilities,
- J** Installation of communal BBQ with food preparation area, open turf seating & Gazebo,
- K** Kids racetrack,
- L** Outdoor fitness circuit of 6 pieces around the perimeter of the park,
- M** Installation of Water Park themes and play activities.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Blackmore Park, Girrawheen - South Zone



City of Wanneroo Active Reserves Master Plan

Blackmore Park Cost Report



Blackmore Park, Girrawheen

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	BLACKMORE PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	144,200
XB	Outbuildings and Covered Ways	910,000
XL	Landscaping and Improvements	373,500
XK	Stormwater Drainage	10,000
XD	External Sewer Drainage	23,700
XW	External Water Supply	21,700
XE	External Electric Light and Power	490,000
PR	Preliminaries	157,900
	Net Project Cost	2,131,000
	Planning Contingency (5%)	107,000
	Design Contingency (10%)	214,000
	Construction Contingency (5%)	107,000
	Professional Fees (10%)	246,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	2,805,000
	Escalation to Tender (12 months)	72,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	2,877,000
	GST	287,700

City of Wanneroo Active Reserves Master Plan

4.1.3 Butterworth Park

Location

This Park is located on Butterworth Avenue, Koondoola. The site is one lot; Lot Number 10388 located on Reserve No 38158, Butterworth Park has an overall land area of approximately four hectares classifying the park as Neighbourhood Park. The Park is Crown Land vested to the City of Wanneroo for the purpose of public recreation.

Butterworth Park is bounded by residential properties on the east, west, south and north. The land on which the Park is on has a four meter fall from both the north east and west corners of the reserve into the flat playing surface.

Existing Infrastructure

Facility	Amenity	Size
Change rooms toilet block	Male	1 toilet (non-compliant)1 urinal
	Female	2 toilets 1 (non-compliant toilet)
	Change room 1	5m x 5m
	Change room 2	5m x 5m
	Kiosk	Poor Condition
	Store room	2m x 3m
Active Reserve	Soccer	86m x 66m (Senior)
Basketball Facility	2 x Multiuse Courts	35m x 35m lighting
Playground Facility	Large combination unit	
	Disc swing	
	Fitness equipment	5 pieces
Park Benches	7 Benches	
Car Park	No Available	
Floodlighting	2 light poles	Currently do not meet the Australian Standard for large ball sports training
Water	Service to the Clubrooms	N/A
Power	Service to the Clubroom	N/A

Usage and Limitations

The Park currently has four (4) winter seasonal bookings by the following:

- Edmund Rice, use the field once a week on a Tuesday afternoon's (4:15pm to 6:15pm) for the programs offered by the organisation;
- Ahly Perth Football Club, use the field twice a week on Wednesday (6:30pm to 8:30pm) and Sunday (11am-6pm) for competition and training;
- Eritean Cooperative Association Perth use the field once a week on Saturday (10:00am to 12:00pm);
- Hornbill Soccer Club use the field (2:30pm to 6:00pm) on Saturdays;
- In the summer there is 3 program organisations that book the reserve;
- Edmund Rice once a week on Tuesday (4:15pm to 6:15pm);
- Eritean Cooperative Association once a week on Saturday (10:00am to 12:00pm);
- Anglicare once a week on Thursday (4:00pm to 6:00pm); and
- Historically use of the facilities at the Park has been limited by the condition of the existing infrastructure and also demand for these facilities within the South Ward.

City of Wanneroo Active Reserves Master Plan

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The change room toilet block is aging but maintenance to the facility over time would allow the facility to provide for junior teams;
- Minimal security lighting on the change room block;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux);
- Disabled toilets do not comply with the Building Code of Australia; and
- Backboards on the basketball facility is in fair condition;
- Lighting on the basketball facility is in poor condition; and
- City has not recently received any complaints from user groups regarding the condition of the surface, however through inspections the soccer goal mouths of the playing field wear during the season and in the past have required remedial work.

Future Impacts, Site limitations

Hydrozoning of the Park has been undertaken;

- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- The Park is made up of one lot which would not require amalgamation of lots
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

The Reference Group held its second meeting on 10 September 2014, and amongst other items, considered report 4.3 – Koondoola Active Reserves Analysis;

- Floodlighting of the active reserve (playing field) to large ball sport training level;
- Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting;
- Refurbishment of the multi-use facilities, to include netball and basketball goals;
- Refurbishment of the amenities building; and
- Fencing of the existing playground area.

City of Wanneroo Active Reserves Master Plan

Recommendations

Item	Indicative Cost	Priority
Fencing of the playground area	\$5,400	1
Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting	\$70,290	2
Refurbishment of the multi-use facilities, to include netball goals	\$70,000	3
Floodlighting of the active reserve (playing field) to large ball sport training level	\$250,000	4
Audit - Refurbishment of the Amenities building	\$10,000	5
Total	\$405,690	

City of Wanneroo Active Reserves Master Plan

Butterworth Park Master Plan



Principle:

Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for Soccer, and other hard-court sports with the ability to meet changing needs in the future.

Issues & Considerations:

- The change room toilet block is aging but maintenance to the facility over time would allow the facility to provide for junior teams,
- There is minimal security lighting on the change room block,
- Ground floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux),
- The disabled toilets do not comply with the Building Code of Australia,
- Backboards on the basketball facility are in fair condition,
- Lighting on the basketball facility is in poor condition,
- Playing surface quality has been poor on occasions in specific locations such as soccer goal mouths that have in the past required remedial work,
- Hydrozoning of the Park has been undertaken,
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Recommendations:

- A** Upgrade ground floodlighting of the playing field to large ball sport training level at 50 lux on 4 towers,
- B** Establish a path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place at 639m, and with the provision of park benches on the path network with supporting security lighting,
- C** Refurbish the multi use facilities, to include surfacing line marking, basketball and netball goals,
- D** Undertake a refurbishment audit of the Amenities building including reference to the non-compliant disabled toilets, and the poor security lighting,
- E** Provide appropriate fencing for the playground area at 120m,
- F** Refurbish existing lighting at multi-use court facilities,
- G** Prune vegetation undergrowth to enhance passive surveillance and safety.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Butterworth Park, Koondoola - South Zone



0 20 50m 1:1500@A4 November 2014 Rev2

City of Wanneroo Active Reserves Master Plan

Butterworth Park Cost Report



Butterworth Park, Koondoola

Ref	Description	Total \$
WANNEROO ACTIVE RESERVES		
MASTERPLAN ESTIMATE REV 0		
Job No: 17441		
BUTTERWORTH PARK		
MAIN SUMMARY		
XR	Roads, Paths and Paved Areas	120,400
XN	Boundary Walls, Fencing and Gates	18,000
XB	Outbuildings and Covered Ways	5,000
XL	Landscaping and Improvements	39,000
XE	External Electric Light and Power	451,000
PR	Preliminaries	50,600
	Net Project Cost	684,000
	Planning Contingency (5%)	35,000
	Design Contingency (10%)	69,000
	Construction Contingency (5%)	35,000
	Professional Fees (10%)	79,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	902,000
	Escalation to Tender (12 months)	24,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	926,000
	GST	92,600
	ESTIMATED TOTAL COMMITMENT (Incl GST)	1,018,600

City of Wanneroo Active Reserves Master Plan

4.1.4 Cabrini Park

Location

This Park is located on Marangaroo Drive, Marangaroo. The site has two lots. The northern lot is registered as lot 11777 on Reserve Number 10659 and the southern lot is Number 9834 on Reserve 35471. The lot boundaries are drawn through the playing field running east to west.

Cabrini Park has an overall land area of approximately 3.5 hectares classifying the park as a Local Park. The Park is Crown Land vested to the City of Wanneroo for the purpose of public recreation.

Cabrini Park is bounded by residential to the North, east and south. To the west is an Italian Aged Care Complex. The land on which the Park is on has a nine metre fall running from the North east border to the south western border of the reserve with a three metre difference from the playing field to the car park and change rooms.

Existing Infrastructure

Facility	Amenity	Size
Change rooms toilet block	Male	1 toilet (non-compliant)1 urinal
	Female	2 toilets 1 (non-compliant toilet)
	Change room 1	5m x 5m
	Change room 2	5m x 5m
Active Reserve	AFL	175 x 90m (junior)
	Cricket	90m diameter (junior)
Basketball Facility	3 on 3 basketball ring on a concrete pad no line markings	9m x 7m
Playground Facility	Small combination unit	
	Rocker	
Park Benches	6 Benches	
Car Park	Bitumen 30 bays marked	
Floodlighting	2 light poles on playing field	Currently do not meet the Australian Standard for large ball sports training
Water	Service to the Toilet block	N/A
Power	Service to the Toilet Block	N/A

Usage and Limitations

Key points to consider;

- The Park currently has one winter season user group being the Northern United Soccer Club who book the Park on Wednesday for training (6:30pm to 8:30pm) and Sunday for competition (10:00am to 2:00pm);
- The Park currently has two summer season user groups being the Warwick Greenwood Junior Cricket Club book the venue for training Monday to Friday (4:30pm to 6:30pm) and competition Saturday-Sunday (8:00am to 12:00pm);
- Kingsway Sportsman's Senior Cricket Club hire the venue every Saturday afternoon (1:15pm to 6:00pm) for competition; and
- The Northern United Soccer club also commence preseason training at the Park in February with bookings on Wednesday (6:45pm to 8:45pm) and Sunday (3:00pm to 5:00pm).

City of Wanneroo Active Reserves Master Plan

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- Minimal security lighting on the change room block;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux);
- City has not recently received any complaints from user groups regarding the condition of the surface;
- Disabled toilets do not comply with the Building Code of Australia;
- Backboard on the basketball facility is in fair condition; and
- No lighting on the basketball facility.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has not been undertaken;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- The Park is made up of two lots meaning consideration would be required for the amalgamation of lots;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

The Reference Group held its third meeting on 8 October 2014, and amongst other items, considered report 4.5 – Marangaroo Active Reserves Analysis;

- Path network;
- Floodlighting of the reserve to 50 lux using only two light towers; and
- Building audit for the existing amenities building.

Recommendations

Item	Indicative Cost	Priority
Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting	\$76,670	1
Floodlighting of the active reserve (playing field) to large ball sport training level	\$150,000	2
Building audit for the existing amenities building	\$10,000	3
Total	\$236,670.00	

Cabrini Park Master Plan



Principle:

Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for AFL, cricket and rectangular field sports (soccer and rugby) and diamond sports with the ability to meet changing needs in the future.

Issues & Considerations:

- Minimal security lighting on the change room block,
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux),
- Hydrozoning of the Park has not been undertaken,
- City has not recently received any complaints from user groups regarding the condition of the surface,
- Disabled toilets do not comply with the Building Code of Australia,
- Backboard on the basketball facility is in fair condition,
- No lighting on the basketball facility.

Recommendations:

- A** Refurbish toilet / change room block and bring to Building Code of Australia standard,
- B** Upgrade security lighting on toilet / change room block,
- C** Upgrade lighting to bring to Australian Standard AS2560 for large ball sports training at 50 lux on 2 towers,
- D** Upgrade irrigation system to establish hydrozones to improve water-use efficiency and turf quality,
- E** Replace backboard on basketball facility,
- F** Establish lighting on basketball facility,
- G** Design and construct a path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place totalling 697 linear m, and with the provision of 4 nodes and bench seating on the path network with supporting security lighting.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Cabrini Park, Mangaroo - South Zone



City of Wanneroo Active Reserves Master Plan

Cabrini Park Cost Report



Cabrini Park, Marangaroo

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	CABRINI PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	130,200
XB	Outbuildings and Covered Ways	299,000
XL	Landscaping and Improvements	59,200
XE	External Electric Light and Power	285,000
PR	Preliminaries	61,600
	Net Project Cost	835,000
	Planning Contingency (5%)	42,000
	Design Contingency (10%)	84,000
	Construction Contingency (5%)	42,000
	Professional Fees (10%)	97,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,100,000
	Escalation to Tender (12 months)	29,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,129,000
	GST	112,900
	ESTIMATED TOTAL COMMITMENT (Incl GST)	1,241,900

City of Wanneroo Active Reserves Master Plan

4.1.5 Ferrara Park

Location

This Park is located on Ferrara Way, Girrawheen. The site is one lot; Lot Number 9768 located on Reserve No 35186. Ferrara Park has an overall land area of approximately seven hectares classifying the Park as a Neighbourhood Park. The Park is Crown Land vested to the City of Wanneroo for the purpose of public recreation.

Ferrara Park is bounded by residential properties on the west, south and north east. To the south east is the Roseworth Primary School. The land on which the Park on is a relatively flat site.

Existing Infrastructure

Facility	Amenity	Size
Change rooms toilet block	Male	1 toilet (non-compliant)1 urinal
	Female	2 toilets 1 (non-compliant toilet)
	Change room 1	6m x 5m including 3 Shower
	Change room 2	6m x 5m including 3 Shower
Active Reserve	Soccer	117m x 70m and 109m x 46m Senior
	Cricket	131m diameter (senior)
	AFL	133m x 162m (senior)
Kiosk	Canteen /Kitchen area	5m x 5m
Playground Facility	Spring Rocker	
	Combination unit – small	
	Spider unit	
BBQ	BBQ	
Shelter	Park Shelter	
Lighting	Park Lighting	
Basketball Facility	Concrete pad with back board	3 on 3 concrete pad 8mx8m
Park Benches	7 mental benches	N/A
Cricket Nets	2 cricket nets	25m x 11m
Car Park	Kerbside parking available	Bays not marked
Floodlighting	2 light poles	Currently do not meet the Australian Standard for large ball sports training
Water	Service to the Clubroom	N/A
Power	Service to the Clubroom	N/A

Usage and Limitations

Key points to consider;

- The Park currently has three winter seasonal bookings,
- Gotankaku Community Association (soccer) Training (Tuesday and Friday 5:00pm to 7:00pm) and Competition (Sunday 3pm to 6pm);
- Kingsway United Soccer Club Junior and Senior (Wednesday and Thursday 6:30pm to 8:30pm);
- Roseworth Primary School, School Sports Program (School Hours);
- The Park currently has one summer seasonal booking; The Landsdale Junior Cricket Club who book the ground as a backup venue for competition fixtures;

City of Wanneroo Active Reserves Master Plan

- There has not been a casual booking at the Park in some time;
- The Park provides a linear connection from Marrangaroo Drive to Montrose Avenue; and
- Historically use of the facilities at the Park has been limited by the condition of the existing infrastructure and also demand for these facilities within the South Ward.

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The Change room toilet block was constructed in 1974, the facility is aging but maintenance to the facility over time would allow the facility to provide for junior teams;
- The Kiosk was constructed in 1983 and was not used for many years. In 2013 the City undertook a complete revamp however the kiosk is still not utilised;
- Minimal security lighting on the change room block;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux);
- The irrigation infrastructure is not hydrozoned;
- City has not recently received any complaints from user groups regarding the condition of the surface;
- Disabled toilets do not comply with the Building Code of Australia;
- Backboard on the basketball facility is safe but has aged; and
- No lighting on the basketball facility.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- The Park is made up of one lot which would not require amalgamation of lots;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

The Reference Group held its second meeting was on 10 September 2014, and amongst other items, considered report 4.2 – Girrawheen Active Reserve's Analysis.

- Floodlighting of the active reserve (playing field) to large ball sport training level;
- Refurbishment of the cricket nets and 3 on 3 basketball facilities;

City of Wanneroo Active Reserves Master Plan

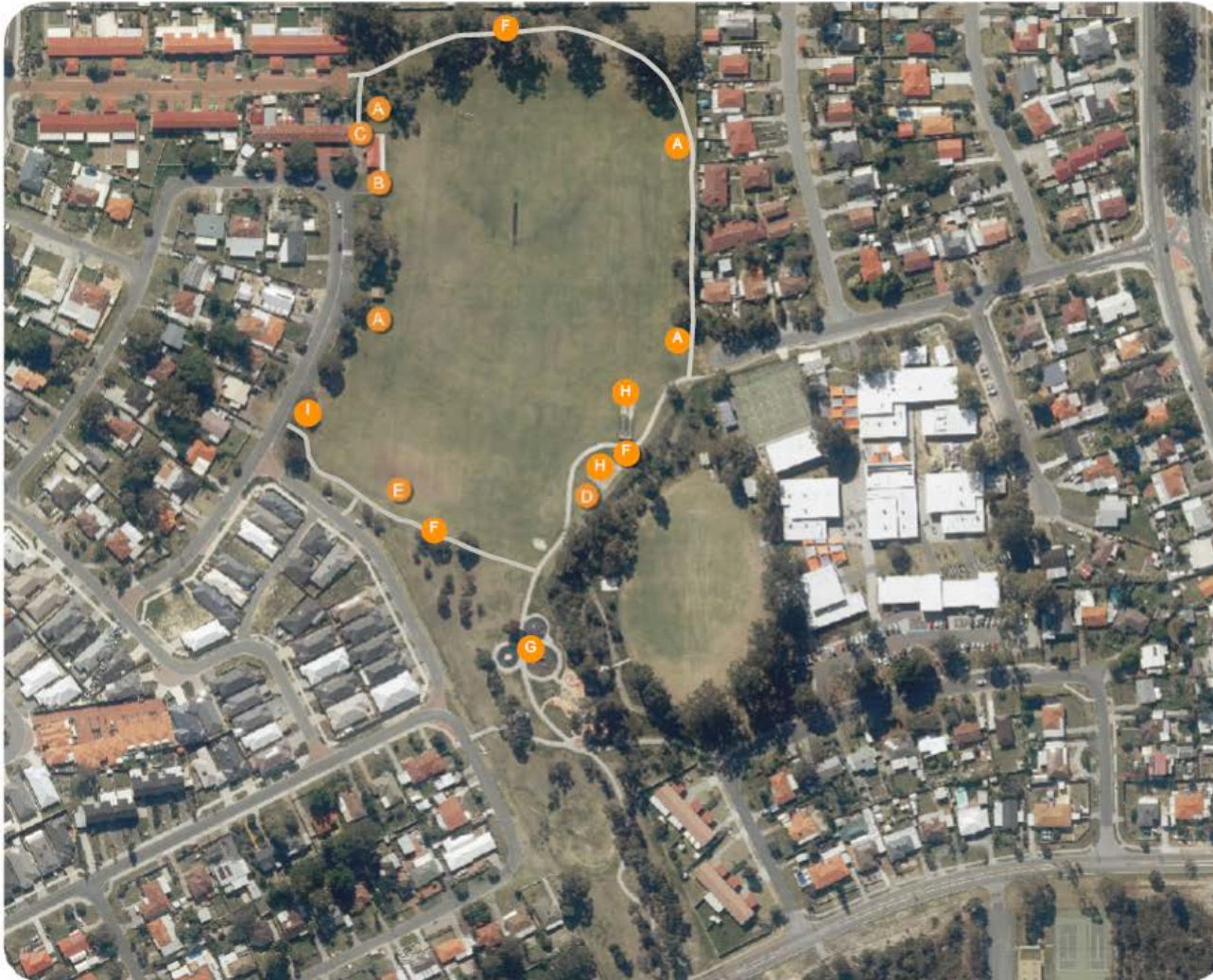
- Additional Playground equipment to support existing playground equipment;
- History plaques acknowledging the park's history;
- Request to review layout of the equipment locations;
- Installation of Shade sails to support playground amenities; and
- Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network.

Recommendations

Item	Indicative Cost	Priority
Floodlighting of the active reserve (playing field) to large ball sport training level	\$250,000	1
Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting	\$65,010	2
Installation of Shade sails over existing playground equipment	\$15,000	3
Refurbishment of the cricket nets and 3 on 3 basketball facilities	45,000	4
Review layout of the existing playground equipment locations	Undertaken by Administration	5
Audit - building refurbishment (change rooms)	\$10,000	6
Installation of History plaques around the playground commemorating historical achievements	\$25,000	7
Total	\$410,010	

City of Wanneroo Active Reserves Master Plan

Ferrara Park Master Plan



Principle:

Refurbish facilities and reserve to comply with standards, improve amenity through addition of play and fitness facilities and improved access through addition of pathways.

Issues & Considerations:

- Neighborhood park
- Toilets not to standard,
- Car park bays not marked,
- Ground lighting not to standard,
- Minimal security lighting,
- Aged backboard on basketball facility,
- No lighting on basketball facility,
- Ground irrigation appears to have low DU, no hydrozones.

Recommendations:

- A** Floodlighting of the playing field to 50 lux with 4 towers,
- B** Improve/install security lighting on toilet/change room block and basketball facility,
- C** Undertake needs and feasibility assessment (inclusive of building audit) on the existing toilets and change room building,
- D** Repair/renew backboard on basketball facility,
- E** Implement hydrozones, improved irrigation DU,
- F** Path network around the perimeter of the park of 591 linear m, provision of park benches with supporting security lighting,
- G** Installation of Shade sails over existing playground equipment ,
- H** Refurbishment of the cricket nets and 3 on 3 basketball facilities,
- I** Installation of plaques around the playground commemorating historical achievements.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Ferrara Park, Girrawheen - South Zone

0 20 50m 1:2500@A4 November 2014 Rev2



City of Wanneroo Active Reserves Master Plan

Ferrara Park Cost Report



Ferrara Park, Girrawheen

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	FERRARA PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	111,300
XB	Outbuildings and Covered Ways	45,000
XL	Landscaping and Improvements	148,900
XE	External Electric Light and Power	398,000
PR	Preliminaries	56,800
	Net Project Cost	760,000
	Planning Contingency (5%)	38,000
	Design Contingency (10%)	76,000
	Construction Contingency (5%)	38,000
	Professional Fees (10%)	88,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,000,000
	Escalation to Tender (12 months)	26,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,026,000
	GST	102,600
	ESTIMATED TOTAL COMMITMENT (Incl GST)	1,128,600

City of Wanneroo Active Reserves Master Plan

4.1.6 Hainsworth Park

Location

This Park is located behind the Hainsworth Community Centre on Hainsworth Avenue, Girrawheen. The site is one lot; Lot Number 9221 located on Reserve No 33184, Hainsworth Park has an overall land area of approximately four hectares classifying the Park as a Neighbourhood Park. The Park is Crown Land vested to the City of Wanneroo for the purpose of public recreation.

Hainsworth is bounded by residential properties on the west, south and north. To the east are the Hainsworth Plaza, Hainsworth Community Centre and Emmanuel Christian School. The playing field is a relatively flat site with minor rises in the all four corners of the reserve.

Existing Infrastructure

Facility	Amenity	Size
Toilet Block	Male	1 toilet (non-compliant)1 urinal
	Female	2 toilets 1 (non-compliant toilet)
Active Reserve	Cricket	120m diameter (senior)
	AFL	154m x 120m (senior)
Playground Facility	Double Swing	
	Spring unit	
	Medium Combination Unit – Sand Softball x 2 rubber softfall and sand softfall	
Basketball Facility	2 x Multiuse Courts	35m x35m, lighting provided
Skate Facilities	Skate Bowl	
Park Benches	7 benches	N/A
Cricket Nets	2 cricket nets	25m x 11m
Floodlighting	2 light poles	Currently do not meet the Australian Standard for large ball sports training
Water and Power	Service to the Clubroom	N/A

Usage and Limitations

Key points to consider;

- The Park currently has no winter seasonal booking;
- The Park currently has two summer seasonal booking, Shree Kutch Leva Patel Cricket Club junior (Saturday 8:00am to 12:00pm) and senior (Saturday 12:30pm to 6:00pm);
- Emmanuel Christian School use the oval as a school oval and have bookings for the reserve during school hours for the School year;
- There has not been a casual booking at the Park in some time; and
- Historically use of the facilities at the Park has been limited by the condition of the existing infrastructure and also demand for these facilities within the South Ward.

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The Toilet block was constructed in 1974 Aesthetically, the facility is poor and does not cater for sports teams participating in competition activities at the ground;

City of Wanneroo Active Reserves Master Plan

- Minimal security lighting on the toilet block;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux);
- The irrigation infrastructure is not hydro zoned;
- City has not recently received any complaints from user groups regarding the condition of the surface;
- Disabled toilets do not comply with the Building Code of Australia;
- Backboard on the basketball facility is safe but has aged; and
- Lighting to the basketball facility is provided to a low level.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- The trees on the site are mature and as such clearing of existing trees would require an environmental investigation and clearing permits;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- The Park is made up of one lot which would not require amalgamation of lots;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

The Reference Group held its second meeting was on 10 September 2014, and amongst other items, considered report 4.2 – Girrawheen Active Reserve's Analysis.

- Upgrade the existing skate bowl to allow all levels of ability to utilise;
- Refurbishment of the existing multiuse courts;
- Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network;
- Installation of exercise equipment; and
- Installation of park signage.

Recommendations

Item	Indicative Cost	Priority
Floodlighting of the active reserve (playing field) to large ball sport training level	\$250,000	1
Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting	\$73,260	2
Outdoor fitness circuit around the perimeter of the park	\$36,000	3

City of Wanneroo Active Reserves Master Plan

Refurbishment of the multiuse courts	\$50,000	4
Upgrade/refurbishment of existing skate park facility – Design	\$20,000	5
Children made stepping stone pathway for play	\$100,000	6
Installation of park signage	Maintenance Budget	N/A
Total	\$532,260	

City of Wanneroo Active Reserves Master Plan

Hainsworth Park Master Plan



Principle:

Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for AFL, cricket and rectangular field sports (soccer and rugby) and diamond sports with the ability to meet changing needs in the future.

Issues and considerations:

- No team change rooms,
- Toilets not to standard,
- No security lighting on toilet block,
- Ground lighting not to standard,
- No security lighting on skate bowl,
- Aged backboard on basketball facility,
- Low level lighting on basketball facility,
- Ground irrigation appears to have low DU, no hydrozones.

Recommendations:

- A** Upgrade lighting to to Australian Standard AS2560 for large ball sports training at 50 lux on 4 towers,
- B** Extend toilet block to incorporate club change rooms and storage facilities (minimum area 20m²),
- C** Upgrade toilets to comply with BCA standards and improve/install security lighting on toilet block,
- D** Path network around the perimeter of the park, at 666 linear metres providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting,
- E** Outdoor fitness circuit around the perimeter of the park with 6 pieces,
- F** Refurbishment of the multi-use courts,
- G** Upgrade/refurbish existing skate park facility including design review, security lighting and a shade structure,
- H** Repair/renew backboard and install security lighting on basketball facility,
- I** Establish and facilitate a children-made stepping stone pathway for play,
- J** Install park signage with 5 signs,
- K** Implement hydrozones to improve irrigation distribution uniformity, water-use efficiency and turf quality.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Hainsworth Park, Girrawheen - South Zone

0 20 50m 1:2000@A4 November 2014 Rev2



City of Wanneroo Active Reserves Master Plan

Hainsworth Park Cost Report



Hainsworth Park, Girrawheen

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	HAINSWORTH PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	137,700
XB	Outbuildings and Covered Ways	629,000
XL	Landscaping and Improvements	268,000
XK	Stormwater Drainage	10,000
XD	External Sewer Drainage	17,500
XW	External Water Supply	13,900
XE	External Electric Light and Power	488,000
PR	Preliminaries	124,900
	Net Project Cost	1,689,000
	Planning Contingency (5%)	85,000
	Design Contingency (10%)	169,000
	Construction Contingency (5%)	85,000
	Professional Fees (10%)	195,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	2,223,000
	Escalation to Tender (12 months)	57,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	2,280,000
	GST	228,000

City of Wanneroo Active Reserves Master Plan

4.1.7 Highview Park

Location

This Park is located on Erina Road, Alexander Heights and has two major lots registered to Reserve number 43263 on Lot Number 11796. The eastern lot is the playing field and toilet block and includes the third lot 12025 which is required for drainage. The Western lot is predominately bushland and any clearing requirements would require consideration.

Highview Park has an overall land area of approximately 5.5 hectares classifying the park as Neighbourhood Park. The Park is Crown Land vested to the City of Wanneroo for the purpose of public recreation.

Highview Park is bounded by conservation to the east on land owned by the Department of Land Administration and residential property surrounds Highview to the west, south and north. The land on which the Park is on has a four metre fall running from southern border to north border of the reserve.

Existing Infrastructure

Facility	Amenity	Size
Change rooms toilet block	Toilet/changeroom	1 toilet (non-compliant)1 urinal
	Toilet/changeroom	2 toilets 1 (non-compliant toilet)
Active Reserve	AFL	175m x 90m (junior)
	Cricket	90m diameter (junior)
Basketball Facility	1 basketball ring on a concrete pad no line markings	14m x 14m
Playground Facility	Small combination unit	
	Rocker	
Park Benches	6 Benches	
Car Park	Bitumen 62 bays	
Floodlighting	2 light poles	Currently do not meet the Australian Standard for large ball sports training
Water	Service to the Toilet block	N/A
Power	Service to the Toilet Block	N/A

Usage and Limitations

- The Park currently has one winter season user group being the Kingsway Junior Football Club who use the park for training on Tuesday, Thursday (4:30pm to 7:00pm) and Wednesday Friday (5:15pm to 7:00pm.); and
- In the summer, the Landsdale Senior Cricket Club book the venue once a week for competition on a Saturday (12:30pm -6:30pm).

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- Minimal security lighting on the change room block;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux);
- Disabled toilets do not comply with the Building Code of Australia;
- Backboard on the basketball facility is in fair condition;
- No lighting on the basketball facility;

City of Wanneroo Active Reserves Master Plan

- City has not recently received any complaints from user groups regarding the condition of the surface; and
- Playground equipment will be replaced in the 2014/15 financial year as part of the playground renewal playground program.

Future Impacts, Site limitations

- Hydrozoning of the Park has not been undertaken;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- The trees on the site are mature and as such clearing of existing trees would require an environmental investigation and clearing permits;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- The Park is made up of one lot which would not require amalgamation of lots;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

Proposed facilities:

- Floodlighting of the active reserve (playing field) to small ball sport training level;
- Additional storage facilities added to the existing changeroom/toilet block;
- Extension of the playing field to the east (require clearing of some bushland);
- Multipurpose play opportunities; and
- Relocate 3 on 3 basketball court to the south east corner of the Park.

Recommendations

Item	Indicative Cost	Priority
Extension of the playing field to the east (require clearing of some bushland)	\$50,000	1
Floodlighting of the active reserve (playing field) to small ball sport training level	\$250,000	2
Additional storage facilities to the existing change room/toilet block	\$10,000	3
Relocate 3 on 3 basketball court to the south east corner of the Park	\$60,000	4
Multipurpose play opportunities	Maintenance budget	5
Total	\$578,790	

Highview Park Master Plan



Principle:
Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for AFL, cricket and rectangular field sports (soccer and rugby) and diamond sports with the ability to meet changing needs in the future.

- Issues & Considerations:**
- Minimal security lighting on the change room block,
 - Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux),
 - Disabled toilets do not comply with the Building Code of Australia,
 - Backboard on the basketball facility is in fair condition and there is no lighting on the basketball facility,
 - City has not recently received any complaints from user groups regarding the condition of the surface,
 - Hydrozoning of the Park has not been undertaken,
 - Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

- Recommendations:**
- A** Upgrade toilets to bring to BCA standard,
 - B** Establish storage facilities (2 of 6 x 3m).
Improve security and lighting on toilet block,
 - C** Establish drinking fountain adjacent to toilet block,
 - D** Investigate an extension of the playing field to the east including an assessment and approvals for clearing of bushland,
 - E** Upgrade ground lighting to Australian Standard AS2560 for large ball sports training at 50 lux on 4 towers,
 - F** Relocate 3 on 3 basketball facility to the south east corner of the park,
 - G** Replace backboard on basketball facility and install lighting,
 - H** Consideration given to establishing multi-purpose play opportunities as part of next play equipment replacement program.

City of Wanneroo Active Reserves Master Plan

Highview Park Cost Report



Highview Park, Alexander Heights

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	HIGHVIEW PARK	
	MAIN SUMMARY	
	XB Outbuildings and Covered Ways	233,200
	XL Landscaping and Improvements	314,600
	XW External Water Supply	1,000
	XE External Electric Light and Power	310,000
	PR Preliminaries	69,200
	Net Project Cost	928,000
	Planning Contingency (5%)	47,000
	Design Contingency (10%)	93,000
	Construction Contingency (5%)	47,000
	Professional Fees (10%)	107,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,222,000
	Escalation to Tender (12 months)	32,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,254,000
	GST	125,400
	ESTIMATED TOTAL COMMITMENT (Incl GST)	1,379,400

City of Wanneroo Active Reserves Master Plan

4.1.8 Hudson Park

Location

The Park is located on the corner of Hudson Avenue and Koman Way, Girrawheen. The site is described as Lot Number 10503 on Reserve No 38584, and has an overall land area of approximately six hectares. The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. There is also a City of Wanneroo freehold lot 282 located to the west of reserve.

Hudson Park is bounded by residential properties on the north, west and south with Hudson Park Primary School located to the south east. The land on which the Park is located has an eleven (11) metre fall from south to north, with the active reserve and pavilion being on one level and tennis courts, car park, cricket practice wicket and playground on a lower level. There is a two to three metre fall from the active reserve to the car park and tennis courts.

Existing Infrastructure

Facility	Amenity	Size
Dennis Cooley Pavilion	Kitchen	3m x 3m
	2x Storeroom	3.2m x 1m
	1x Male Toilet	Not identified in current City plan
	1x Female Toilet	Not identified in current City plan
	Multipurpose room	14.1m x 10.6m
Active Reserve	AFL	140m x 115m (Senior)
	Cricket	Diameter approx. 140m (Senior)
	Soccer	Two 90m x 45m Senior Size Soccer Pitches
Toilet Block	Male	1 toilet (non-compliant)1 urinal
	Female	2 toilets 1 (non-compliant toilet)
Playground Facility	Combination unit	N/A
	Double Swing	N/A
	Igloo net	N/A
Basketball Facility	Concrete pad with back board	3 on 3 concrete pad 8mx9m
Park Benches	2 mental benches	N/A
Tennis Court Shelter	Bench and internal store area	20m ²
Tennis Courts	2 courts with Lighting	29m x 29m (complete footprint)
Cricket Nets	3 cricket nets	25m x 11m
Car Park	39 car park bays	31m x 35m
Floodlighting	2 light poles	Currently do not meet the Australian Standard for large ball sports training
Water	Service to the clubrooms	N/A
Power	Service to the Clubroom and tennis courts lights	N/A

Usage and Limitations

Key points to consider;

- The Park currently has no sporting teams utilising the venue for either competition of training;

City of Wanneroo Active Reserves Master Plan

- The Park was last used for active pursuits by a local soccer club in 2012, prior to this, the Park was used approximately once a week as Kingsway Christian Cricket team's home ground for organised sporting activities. This booking ceased at the completion of the 2009/10 cricket season;
- Casual bookings of the active reserve have been limited since 2012 and bookings for 2014 year to date are as per the table below:

Organisation	Number of Bookings	Purpose
Anglicare Community Parks Project	5	After School Program
Lions Club of Girrawheen	1	Australia Day Event
City of Wanneroo Global Beats and Eats event	1	Venue booked as overflow parking
Hudson Park Primary School	4	Interschool sports

- Vietnamese Culture Association has an annual booking for Dennis Cooley Clubrooms on Sundays. This needs to be taken into consideration for any potential sports club requesting access to the clubrooms on a Sunday during the nominated the Vietnamese Culture Association booking times; and
- Historically use of the facilities at the Park has been limited by the condition of the existing infrastructure and also demand for these facilities within the South Ward.

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- While structurally sound the Clubroom and toilets are aging. The toilets were built 1976 and Clubrooms in 1984. Aesthetically, these facilities are poor;
- In 2009 the change rooms were demolished due to sinking (Hudson Park formerly used as a land fill site) causing cracking to the structure. The change rooms were not replaced;
- Minimal security lighting on the clubrooms;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux);
- The irrigation infrastructure is due for renewal;
- Disabled toilets do not comply with the Building Code of Australia;
- Backboard on the basketball facility is safe but has aged,
- No lighting on the basketball facility;
- Tennis courts have no nets in place, the courts are in need for resurfacing and the fence needs additional maintenance;
- The tennis shelter is aging and is inherently unsafe in its design; and
- Playground was replaced as part of the City's playground renewal program in 2014

Future Impacts, Site limitations

Key points to consider:

- Hydrozoning of the Park is currently listed in the City's 2014/15 10 Year Capital Works Program, subject to the completion of the Master Planning Process;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;

City of Wanneroo Active Reserves Master Plan

- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits;
- Future infrastructure developments will need to take into consideration the site's previous use as a land fill site. As mentioned before the City was required to demolish change rooms on site due to sinking. Should any development be proposed it is advised that preliminary contamination investigation of the land fill areas may be required;
- Any increases in turfed areas will need to take into consideration the water licence for the area;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- The Park is made up of two (2) portions, being Lot 10503 (Crown Reserve) and Lot 282 (City of Wanneroo Freehold). Lot 10503 forms the majority of the reserve and as such will not present any issues in relation to development of infrastructure, provided they are in keeping of the intended use of the Park and LPP 4.3;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

As a result of the workshop process, the following consolidated list of infrastructure upgrades was identified by the Reference Group, noting that the items have been listed in no particular order.

- Conversion of the existing tennis courts into multipurpose hard courts to include basketball and netball. Courts to be open access to the community, with no bookings required;
- Security lighting for the car park;
- Upgrade of the existing cricket nets to include full length netting of the wicket and full length carpet;
- Outdoor fitness circuit around the perimeter of the park;
- Floodlighting of the active reserve (playing field) to large ball sport training level;
- New changerooms, toilets and showers;
- Provision of a backnet for baseball and softball;
- "Family area" to support the existing playground area;
- Resurfacing of the existing active reserve – including new irrigation, re-levelling and re-turfing;
- Additional car park located on Arnos Way;
- Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network;
- Clearing of undergrowth to improve passive surveillance;
- Hydrozoning of Hudson Park, with the main focus being on the active reserve and passive playground areas.

City of Wanneroo Active Reserves Master Plan

Recommendations

Year	Financial Year	Item	Preliminary Cost Est.
1	14/15	Design Flood Lighting - Hudson Park;	\$25,000
1	14/15	Design + Construct "Family Area" to support existing playground area;	\$75,000
1	14/15	Design and construct Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network;	\$100,000
1	17/18	Review and Upgrade Security lighting for the car park;	\$40,000
1	14/15	Clearing of the undergrowth to improve passive surveillance;	\$0
Total Expenditure			\$240,000
2	15/16	Construction Flood Lighting - Hudson Park (2)	\$250,000
2	15/16	Design - New change rooms, toilets and showers;	\$80,000
2	15/16	Provision of a back-net for baseball and softball;	\$12,000
2	14/15	Upgrade of the existing cricket nets to include full length netting of the wicket and full length carpet.	\$50,000
Total Expenditure			\$342,000
3	16/17	Construct - New change rooms with toilets and showers;	\$780,000
Total Expenditure			\$780,000
4	17/18	Conversion of the existing tennis into multipurpose hard courts to include basketball and netball. Courts to be open access to the community with not bookings required;	\$70,000
4	17/18	Installation Outdoor fitness equipment circuit around the perimeter of the park;	\$60,000
4	17/18	Additional car park located on Arnos Way;	\$50,000
Total Expenditure			\$220,000

City of Wanneroo Active Reserves Master Plan

Hudson Park Master Plan



Principle:

Refurbish facilities and reserve to comply with standards, improve amenity through addition of play and fitness facilities and improved access through addition of pathways.

Issues & Considerations:

- * Floodlighting is not to standard,
- * There needs to be a Family Area including gazebo, BBQ and a landscaped and irrigated turfed,
- * There needs to be a Path network with bench seats,
- * Car park lighting is poor,
- * Changeroom construction is based on a standard facility of this type,
- * Ball courts need upgrading,
- * Fitness equipment is required,
- * Additional car parking is required,
- * Hydro zoning will be undertaken in 2014/15 from a separate capital budget.

Recommendations:

- A** Design and construct floodlighting to 50 Lux on 4 towers,
- B** Design and construct a family area with rubber matting to support existing playground area,
- C** Design and construct Path network around the perimeter of the park of 600 linear m, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network,
- D** Review and Upgrade Security lighting for the car park,
- E** Clearing of the undergrowth to improve passive surveillance,
- F** Design and construct new change rooms, toilets and showers as per general sports amenity building of 207.3m²,
- G** Provision of a backnet for baseball and softball,
- H** Upgrade of the existing cricket nets to include full length netting of the wicket and full length carpet,
- I** Conversion of the existing tennis into multipurpose hard courts to include basketball and netball. Courts to be open access to the community with no bookings required,
- J** Installation outdoor fitness equipment circuit of 10 pieces around the perimeter of the park,
- K** Additional car park located on Arnos Way. 30 nose-in bays each 6m x 3m = 90m.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Hudson Park, Girrawheen - South Zone

0 20 50m 1:1500@A+ November 2014 Rev2



City of Wanneroo Active Reserves Master Plan

Hudson Park Cost Report



Hudson Park, Girrawheen

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	HUDSON PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	181,650
XB	Outbuildings and Covered Ways	672,000
XL	Landscaping and Improvements	269,400
XK	Stormwater Drainage	10,000
XD	External Sewer Drainage	32,700
XW	External Water Supply	17,500
XE	External Electric Light and Power	436,000
PR	Preliminaries	129,750
	Net Project Cost	1,749,000
	Planning Contingency (5%)	88,000
	Design Contingency (10%)	175,000
	Construction Contingency (5%)	88,000
	Professional Fees (10%)	202,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	2,302,000
	Escalation to Tender (12 months)	59,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	2,361,000
	GST	236,100

City of Wanneroo Active Reserves Master Plan

4.1.9 John Maloney Park

Location

This Park is located on Highclere Boulevard, Marangaroo. The site is one lot; Lot Number 10776 located on Reserve No 39479. Lots 10953 and 12179 are designated drainage reserves. John Maloney Park has an overall land area of approximately seven hectares classifying the Park as Neighbourhood Park. The Park is Crown Land vested to the City of Wanneroo for the purpose of public recreation.

John Maloney Park is bounded by residential properties on the north, south, east and west. To the north-west are child care facilities with supporting retail and medical centre. The land from the south west corner has a 3 metre drop to the centre and then a 2 metre incline to the north eastern corner.

Existing Infrastructure

Facility	Amenity	Size
Clubroom	Male toilet	1 toilet (non-compliant)1 urinal
	Female toilet	2 toilets 1 (non-compliant toilet)
	Change room 1	5mx5m including 2 showers
	Change room 2	5mx5m including 2 showers
	Store room	3mx3m
	Store room	4.3m x 3m
	Store room	3mx3m
	Main Hall	10mx10m
	Kitchen	5mx3m fair condition
Active Reserve	Diamond sports – (Western field)	104m from mound to centre 84m foul line length (does not meet required senior baseball requirements)
	3 on 3 Basketball	6mx6m
	Cricket – (Eastern field)	Diameter 120m approx. (senior)
	AFL – (Eastern field)	125m x120m (senior)
	2 cricket nets	
Playground Facility	Combination Unit – Large	
	Double Swing	
Park Benches	4 benches	N/A
Cricket Nets	2 cricket nets	25m x 11m
Car Park	Bitumen and line marked	68 bays
Floodlighting	2 light poles on the western field facing the diamond 2 light poles for the eastern field	Currently do not meet the Australian Standard for small ball sports training
Water	Service to the toilet block	N/A
Power	Service to the toilet block	N/A

Usage and Limitations

Western Oval (Diamond Sports)

- The Western oval currently has one winter season user group who hire the venue, being the Jaguars Softball Club both junior and senior competitions on a Sunday. The Juniors play from 9:30am to 11:00am and seniors play 12:00pm to 4:30pm; and

City of Wanneroo Active Reserves Master Plan

- The Western oval currently has two summer season user groups who hire the venue; Greenwood Baseball Senior Club book the oval from 9:30am to 3:30pm on Sundays for competition and from 5:30pm to 7:30pm on a Tuesday and Thursday afternoon for training. Jaguars Softball Club also book during the summer season on Wednesdays from 5:00pm to 6:30pm for training.

Eastern Oval (AFL & Cricket)

- The Eastern oval currently has one winter season user group who hire the venue, being the Kingsway Junior Football Club who use the oval for competition on Sunday's from 8:00am to 12:30pm; and
- The Eastern oval currently has two summer season user groups who hire the venue, being the West Coast Cricket Club who book the oval from 12:30pm to 6:30pm on Saturday for competition and from 5:00pm to 7:30 pm on Tuesday and Thursday for training. The Landsdale Junior Cricket Club book Mondays, Wednesday and Fridays for training (4:30pm -6:30pm) and Saturday for competition (7:30am to 12:30pm).

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- Changerooms built in 1991, with Clubroom built in 2001. Both are in fair condition;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux) for the eastern field;
- Floodlighting does not meet current Australian Standard AS2560 for small ball sports training (250 lux);
- The irrigation infrastructure is not hydro zoned but is proposed to be completed in 2014/15 financial year;
- City has received complaints in recent years regarding the condition of the diamond playing surface;
- The centre wicket on the eastern field has had remedial works carried out in the past two years to allow safe play;
- The quality of the cricket nets has been of concern in regards to the condition of the nets and their location; and
- Disabled toilets do not comply with the Building Code of Australia.

Future Impacts, Site limitations

Key points to consider;

- The basketball court is located inside the playing diamond;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- The Park is made up of one lot which would not require amalgamation of lots;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and

City of Wanneroo Active Reserves Master Plan

- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

The Reference Group held its third meeting on 8 October 2014, and amongst other items, considered report 4.5 – Marangaroo Active Reserves Analysis:

- Floodlighting of the active reserve (playing field) to small ball sport training level;
- Relocate 3 on 3 basketball;
- Building audit/ storage to investigate if current facilities are currently meeting the needs of the existing users;
- Floodlighting on the active reserve (eastern oval) to large ball sport training level;
- Path network;
- Removal of the clothing bins;
- Relocation of cricket practise wickets;
- Improved turf maintenance;
- Rangers after hour access to car park and around the building, request to have the car park opened up;
- Lighting of the path network;
- Improved passive surveillance;
- Clearing of vegetation/undergrowth;
- Playground – swings /upgrade; and
- Drink fountain.

Recommendations

Item	Indicative Cost	Priority
Floodlighting of the active reserve (playing field) to small ball sport training level	\$350,000	1
Relocate 3 on 3 basketball	\$60,000	2
Floodlighting on the active reserve (eastern oval) to large ball sport training level	\$250,000	3
Building audit/ storage	\$10,000	4
Path network	\$88,770	5
Relocation of cricket practise wickets	\$45,000	6
Rangers after hour access to car park and around the building	Operational	7
Drink fountain	\$4,000	8
Improved turf maintenance	Maintenance budget	N/A
Improved passive surveillance	Operational and Maintenance Budget	N/A
Clearing of vegetation/undergrowth	Maintenance Budget	N/A
Playground – swings /upgrade	Playground Renewal to occur in 2014/15 financial year	N/A
Removal of the clothing bins	Operational	N/A
Total	\$891,832.00	

City of Wanneroo Active Reserves Master Plan

John Maloney Park Master Plan



Principle:

Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for AFL, cricket and rectangular field sports (soccer and rugby) and diamond sports with the ability to meet changing needs in the future.

Issues & Considerations:

- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux) for the eastern oval,
- Floodlighting does not meet current Australian Standard AS2560 for small ball sports training (250 lux) for the western oval,
- The irrigation infrastructure is not hydro zoned but is proposed to be completed in 2014/15 financial year,
- City has received complaints in recent years regarding the condition of the diamond playing surface,
- The centre wicket on the eastern field has had remedial works carried out in the past two years to allow safe play,
- The quality of the cricket nets has been of concern in regards to the condition of the nets and their location,
- Disabled toilets do not comply with the Building Code of Australia.

Recommendations:

- A** Refurbish toilets change rooms to bring to standard,
- B** Upgrade ground lighting on the eastern oval to meet Australian Standard AS2560 for large ball sports training at 50 lux on 4 towers,
- C** Upgrade ground lighting on the western oval to meet Australian Standard AS2560 for small ball sports training at 250 lux on 2 towers,
- D** Complete irrigation infrastructure upgrade to facilitate is not hydrozoning as planned to be completed in 2014/15 financial year,
- E** Refurbish cricket nets,
- F** Establish path network of 807 linear m with 3 nodes and bench seating and lighting,
- G** Relocate the 3 on 3 basketball facility closer to the existing play ground and clubrooms,
- H** Undertake a needs assessment of the existing clubrooms,
- I** Install a drink fountain adjacent to the existing clubrooms.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

John Malony Park, Marangaroo - South Zone



City of Wanneroo Active Reserves Master Plan

John Maloney Park Cost Report



John Maloney Park, Marangaroo

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	JOHN MALONEY PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	150,500
XB	Outbuildings and Covered Ways	586,000
XL	Landscaping and Improvements	132,500
XW	External Water Supply	1,000
XE	External Electric Light and Power	712,000
PR	Preliminaries	127,000
	Net Project Cost	1,709,000
	Planning Contingency (5%)	86,000
	Design Contingency (10%)	171,000
	Construction Contingency (5%)	86,000
	Professional Fees (10%)	197,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	2,249,000
	Escalation to Tender (12 months)	58,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	2,307,000
	GST	230,700
	ESTIMATED TOTAL COMMITMENT (Incl GST)	2,537,700

City of Wanneroo Active Reserves Master Plan

4.1.10 Koondoola Park

Location

This Park is located on Koondoola Avenue, Koondoola. The site is one lot; Lot Number 9335 located on Reserve No 33504, Koondoola Park has an overall land area of approximately 4.5 hectares classifying the Park as Neighbourhood Park. The Park is Crown Land vested to the City of Wanneroo for the purpose of public recreation.

Koondoola Park is bounded by residential properties on the south and north. To the east is the Koondoola Open Space "A" Reserve, which is the highest level of rating given to a conservation based upon the condition and vegetation existing within the reserve, and the Mirrabooka Reservoir. The West is the Koondoola Primary School. The land on which the Park is on has a five metre fall off from the north east corner to the south corner of the reserve.

Existing Infrastructure

Facility	Amenity	Size
Change rooms toilet block	Male	1 toilet (non-compliant)1 urinal
	Female	2 toilets 1 (non-compliant toilet)
	Change room 1	5m x 5m including Shower
	Change room 2	5m x 5m including shower
	Kiosk	Poor condition
	Store room	1 room 2m x 3m
Active Reserve	Soccer	Two 90m x 45m senior size soccer pitches
	Cricket	Diameter 112m approx. senior
	AFL	160m x120m (Senior)
Playground Facility	Combination Unit –Large	To be removed during the
	Spring Rocker	Koondoola Community
	Double Swing	Centre Development
Tennis Courts	2 Tennis Courts	30mx35m
Park Benches	7 benches	N/A
Cricket Nets	2 cricket nets	25m x 11m
Car Park	Nil	
Floodlighting	2 light poles	Currently do not meet the Australian Standard for large ball sports training.
Water	Service to the Clubrooms	N/A
Power	Service to the Clubrooms	N/A

Usage and Limitations

The Park currently has one winter seasonal booking,

- Koondoola Falcons (soccer), who use the field twice a week once for training on a Thursday (5:00pm to 7:00pm) and competition on a Saturday (5:00pm to 7:00pm);
- The Park currently has no summer seasonal bookings;
- The Koondoola Primary School books the venue during the school hours of the weekday;
- Historically use of the facilities at the Park has been limited by the condition of the existing infrastructure and also demand for these facilities within the South Ward; and

City of Wanneroo Active Reserves Master Plan

- The development of the Koondoola Community Centre with construction proposed for April 2015 and completion in February 2016. The Community Centre will include changing facilities, kiosk and servery, spectator viewing area and complemented with a car park.

•

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The changeroom toilet block is aging but maintenance to the facility over time would allow the facility to provide for junior teams;
- The inside condition of the change rooms is fair;
- Minimal security lighting on the change room block;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux);
- The irrigation infrastructure is not hydro zoned;
- City has not recently received any complaints from user groups regarding the condition of the surface; and
- Disabled toilets do not comply with the Building Code of Australia.

Future Impacts, Site limitations

- The development of the Koondoola Community Centre to the South of the existing change room block, completion February 2016;
- Through the planning approval phases of the Koondoola Community Centre development a Public Access Way listed on site was removed and the two lots were amalgamated;
- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- The Park is made up of one lot which would not require amalgamation of lots;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

The Reference Group held its second meeting on 10 September 2014, and amongst other items, considered report 4.3 – Koondoola Active Reserves Analysis;

- Outdoor fitness circuit around the perimeter of the park;
- Floodlighting of the active reserve (playing field) to large ball sport training level;

City of Wanneroo Active Reserves Master Plan

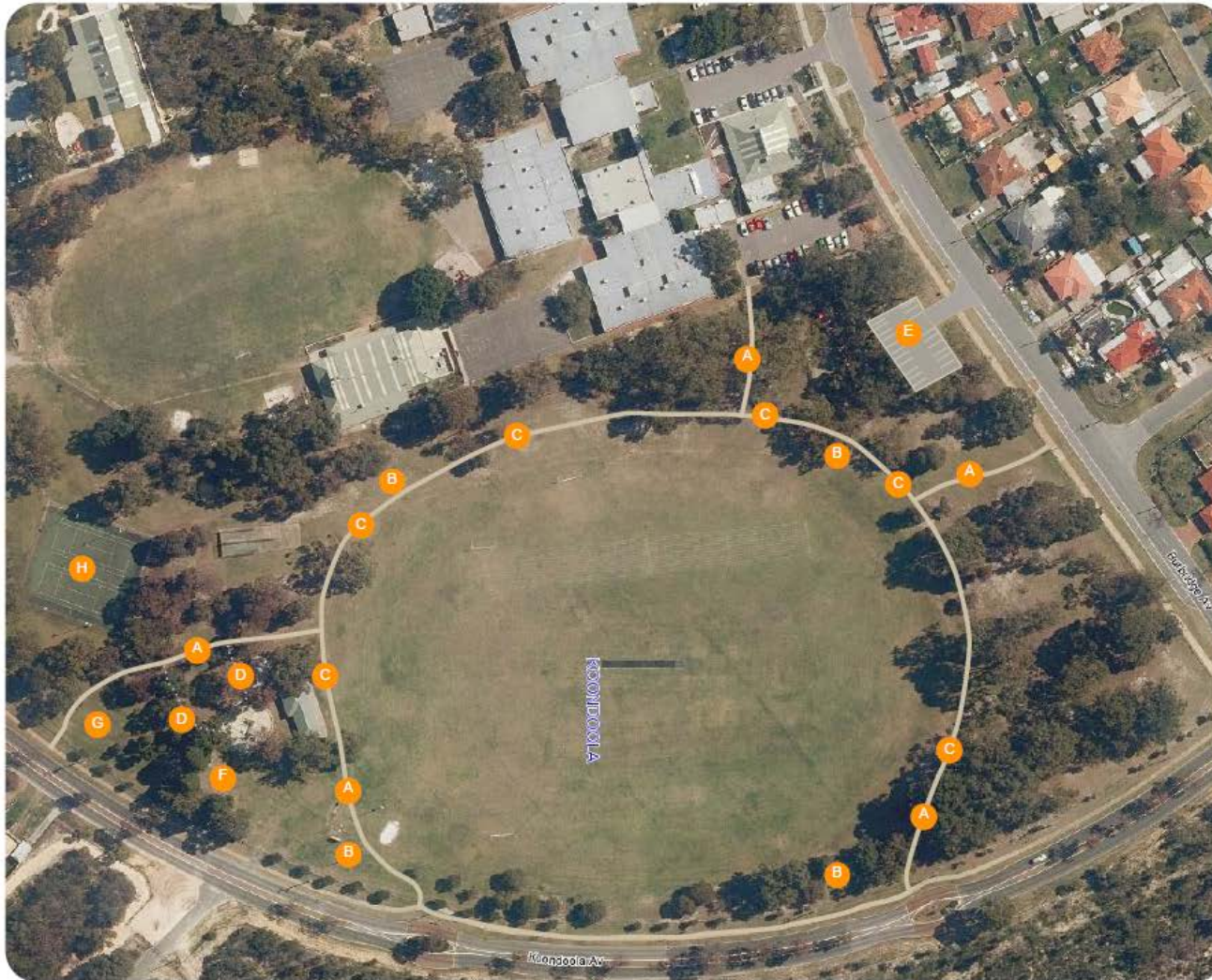
- Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting;
- Additional car park located on Burbridge Avenue;
- Consideration for a water playground amenities;
- Children made stepping stone pathway;
- Tennis courts to be refurbished and converted into multi use courts; and
- Community garden to support the Community Facility Development.

Recommendations

Item	Indicative Cost	Priority
Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting	\$73,260	1
Floodlighting of the active reserve (playing field) to large ball sport training level	\$250,000	2
Outdoor fitness circuit around the perimeter of the park	\$36,000	3
Children made stepping stone pathway	\$100,000	4
Additional car park located on Burbridge Avenue	\$50,000.	5
Consideration for a water playground amenities	\$200,000	6
Community Garden	Operating Budget	N/A
Total	\$1,009,260	

City of Wanneroo Active Reserves Master Plan

Koondoola Park Master Plan



Principle:

Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for Soccer, and other hard-court sports with the ability to meet changing needs in the future.

Issues & Considerations:

- The change room toilet block is aging but maintenance to the facility over time would allow the facility to provide for junior teams,
- There is minimal security lighting on the change room block,
- Ground floodlighting does not meet current Australian Standard AS2560 for large ball sports training at 50 lux,
- The disabled toilets do not comply with the Building Code of Australia,
- Backboards on the basketball facility are in fair condition,
- Lighting on the basketball facility is in poor condition,
- Playing surface quality has been poor on occasions in specific locations such as soccer goal mouths that have in the past required remedial work,
- Hydrozoning of the Park has been undertaken,
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Recommendations:

- A** Upgrade ground floodlighting of the playing field to large ball sport training level at 50 lux on 4 towers,
- B** Establish a path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place at 639m, and with the provision of park benches such as the path network with supporting security lighting,
- C** Refurbish the multi use facilities, to include surfacing line marking, basketball and netball goals,
- D** Undertake a refurbishment audit of the Amenities building including reference to the non-compliant disabled toilets, and the poor security lighting,
- E** Provide appropriate fencing for the playground area at 120m,
- F** Refurbish existing lighting at multi-use court facilities,
- G** Prune vegetation undergrowth to enhance passive surveillance and safety.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Koondoola Park, Girrawheen - South Zone

0 20 50m 1:1500@A4 November 2014 Ro v2



City of Wanneroo Active Reserves Master Plan

Koondoola Park Cost Report



Koondoola Park, Girrawheen

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	KOONDOOLA PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	204,050
XL	Landscaping and Improvements	102,000
XE	External Electric Light and Power	390,000
PR	Preliminaries	55,950
	Net Project Cost	752,000
	Planning Contingency (5%)	38,000
	Design Contingency (10%)	76,000
	Construction Contingency (5%)	38,000
	Professional Fees (10%)	87,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	991,000
	Escalation to Tender (12 months)	26,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,017,000
	GST	101,700
	ESTIMATED TOTAL COMMITMENT (Incl GST)	1,118,700

City of Wanneroo Active Reserves Master Plan

4.1.11 Liddell Park

Location

This Park runs parallel between Wanneroo Road and Liddell Street, Girrawheen. The site is described as Lot Number 8947 on Reserve No 32377, and has an overall land area of approximately 3.5 hectares classifying the park as a Local Park. The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation.

Existing Infrastructure

Facility	Amenity	Size
Change rooms toilet block	Male	1 toilet (non-compliant)1 urinal
	Female	2 toilets 1 (non-compliant toilet)
	Change room 1	6m x 5m including Shower
	Change room 2	6m x 5 m including Shower
	Kiosk	Poor condition
	Store room	Yes
Active Reserve	Soccer	North 93m x 50m (senior) South 70m x 40m (junior)
Playground Facility	Combination Unit –Large	
Park Benches	Sitting benches	
Car Park	None- Kerb Parking Available	N/A
Floodlighting	2 light poles	Currently do not meet the Australian Standard for large ball sports training
Water	Service to the Clubroom	N/A
Power	Service to the Clubroom	N/A

Usage and Limitations

Key points to consider;

- Two organisations have winter seasonal bookings on the North field;
- Karen Community Soccer Club, use the venue once a week on a Saturday (4:00pm to 6:00pm);
- Greyhounds Christian Soccer Club, who also use the venue once a week, on a Tuesday evening (4:00pm to 6:00pm);
- There is no booking on the southern oval during the winter months;
- During the summer months Karen Community Soccer Club book Saturday (2:00pm to 7:00pm); and
- During the winter preseason (February, March) the venue is also booked by Hamersley Rovers Soccer Club (Tuesday, Thursday 6:30pm to 8:30pm) and Kingsway United Christian Football Club (Wednesday 6:30pm to 8:30pm) as an alternative venue for each clubs pre-season regime.
-

Infrastructure Condition

The venue has historically been the preferred South Ward venue for circus providers:

- The venue is used by the City's Communication and Events team for the Annual Global Beats and Eats festival; and
- Historically use of the facilities at the Park has been limited by the condition of the existing infrastructure and also demand for these facilities within the South Ward.

City of Wanneroo Active Reserves Master Plan

Future Impacts, Site limitations

Key points to consider;

- The South playing field does not meet required senior dimensions for any sport;
- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- The Park is made up of one lot, however consideration would be required for a Water Corporation owned lot to the east of the changerooms;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

The Reference Group held its second meeting was on 10 September 2014, and amongst other items, considered report 4.2 – Girrawheen Active Reserve's Analysis.

- Incorporate games for kids e.g. Hopscotch etc. into the design of the park;
- Outdoor fitness circuit around the perimeter of the park;
- Floodlighting of the active reserve (playing field) to large ball sport training level;
- Installation of automated toilets at the reserve;
- Resurfacing of the existing active reserve – including new irrigation, re-levelling and re-turfing;
- Additional car park located on Liddell Street; and
- Building refurbishment to the existing amenities building on site.

Recommendations

Item	Indicative Cost	Priority
Floodlighting of the active reserve (playing field) to large ball sport training level;	\$250,000	1
Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting;	\$66,990	2
Games for kids which can incorporated into the landscaping of the park – e.g. Hop scotch, counting caterpillar	\$20,000	3
Audit - building refurbishment to the existing amenities building on site;	\$10,000	4
Additional car park located on Liddell Street;	\$50,000	5
Installation of Automated toilets	\$30,000	6
Outdoor fitness circuit around the perimeter of the park;	\$36,000	7
Resurfacing of the existing active reserve – including new irrigation, re-levelling and re-turfing;	\$615,000	8
Total	\$1,077,990	

City of Wanneroo Active Reserves Master Plan

Liddell Park Master Plan



Principles

Refurbish facilities and reserve to comply with standards, improve amenity through addition of play and fitness facilities and improved access through addition of pathways.

Issues and Considerations

- Change rooms have non-compliant Male, Female and Disabled toilets and are aesthetically poor, but structurally sound
- A lack of parking
- Irrigation hydrozones are not functional
- Ground lighting not to standard
- Needs security lighting on change rooms
- Ground condition poor

Recommendations

- A** Upgrade/extend change rooms/toilets to community-use based on soccer senior core standards (20m²)
- B** Install security lighting on change rooms/toilets
- C** Upgrade lighting to 50 lux, large ball sport training with 4 light towers,
- D** Resurfacing of the existing active reserve – including new irrigation, re-levelling and returfing,
- E** Investigate/ install additional parking while minimizing tree loss (600m²)
- F** Path network around the perimeter of the park (approx. 350m x 2.4m), providing connections to the active reserve and other infrastructure in place, and with the provision of 4 nodes (each consisting 2.5m² pavement and bench seat) on the path network with supporting security lighting
- G** Games for kids which can be incorporated into the landscaping of the park e.g Hopscotch, Counting Caterpillar
- H** Outdoor fitness circuit around the perimeter of the park, 6 pieces.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Liddell Park, Girrawheen - South Zone



City of Wanneroo Active Reserves Master Plan

Liddell Park Cost Report



Liddell Park, Girrawheen

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	LIDDELL PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	148,350
XB	Outbuildings and Covered Ways	432,000
XL	Landscaping and Improvements	535,000
XE	External Electric Light and Power	372,000
PR	Preliminaries	119,650
	Net Project Cost	1,607,000
	Planning Contingency (5%)	81,000
	Design Contingency (10%)	161,000
	Construction Contingency (5%)	81,000
	Professional Fees (10%)	185,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	2,115,000
	Escalation to Tender (12 months)	55,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	2,170,000
	GST	217,000
	ESTIMATED TOTAL COMMITMENT (Incl GST)	2,387,000

City of Wanneroo Active Reserves Master Plan

4.1.12 Montrose Park

Location

This Park is located on Montrose Avenue, Girrawheen and is one lot, Lot Number 9276 located on Reserve No 33343. Montrose Park has an overall land area of approximately 6.5 hectares classifying the Park as a Neighbourhood Park. The Park is Crown Land vested to the City of Wanneroo for the purpose of public recreation.

Montrose Park is bounded by residential properties on the west, south and north. To the east is also residential however Mirrabooka Avenue separates the park from the residential. Montrose Park is predominately a conservation site with a tennis facility located in the north section of the lot. There is no playing field located on site and there is a three metre rise over the site from the south end to the north east corner.

Existing Infrastructure

Facility	Amenity	Size
Change rooms /Toilets	Male	1 toilet (non-compliant)1 urinal
	Female	3 toilets 1 (non-compliant toilet)
	Kiosk	3m x 3m approx.
	Store	3m x 3m approx.
	Changeroom 1	3m x 3m one shower
	Changeroom 2	3m x 3m one shower
Playground Facility	Double Swing	
	See Saw	
	Small Combination Unit – sand softfall	
Park Benches	1 bench 2 with shelter	N/A
Car Park	40 Car Parking Bays	
Floodlighting	8 light poles	Require testing for compliance
Water	Service to the Clubroom	N/A
Power	Service to the Clubroom	N/A

Usage and Limitations

Key points to consider;

- The Park currently has no winter seasonal booking;
- Annual Bookings consist of two organisations;
- Vietnamese RSL Club who book the venue Monday–Sunday (7:00am to 11:00am) all year;
- Montrose Park Tennis Club book the venue Monday, Wednesday (6:00pm to 9:00pm) and Saturday (1:30pm – 5:30pm); and
- Historically use of the facilities at the Park has been limited by the condition of the existing infrastructure and also demand for these facilities within the South Ward.

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The Toilet/changeroom block was constructed in 1981 and while structurally sound is aging;
- Minimal security lighting on the toilet block;

City of Wanneroo Active Reserves Master Plan

- Testing is required to determine whether floodlighting is compliant with current Australian Standard AS2560 for lighting for outdoor tennis courts (80 lux);
- All four courts were resurfaced during the 2012/13 capital works program;
- Disabled toilets do not comply with the Building Code of Australia; and
- The playground was part of the City's playground replacement program in 2013/14.

Future Impacts, Site limitations

Key points to consider;

- There is an identified Threatened Ecological Communities within the conservation area which would require further investigation;
- There are no bush forever areas currently listed against the Park on the City's GIS system;
- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- The Park is made up of one lot which would not require amalgamation of lots;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals; and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

The Reference Group held its second meeting was on 10 September 2014, and amongst other items, considered report 4.2 – Girrawheen Active Reserve's Analysis:

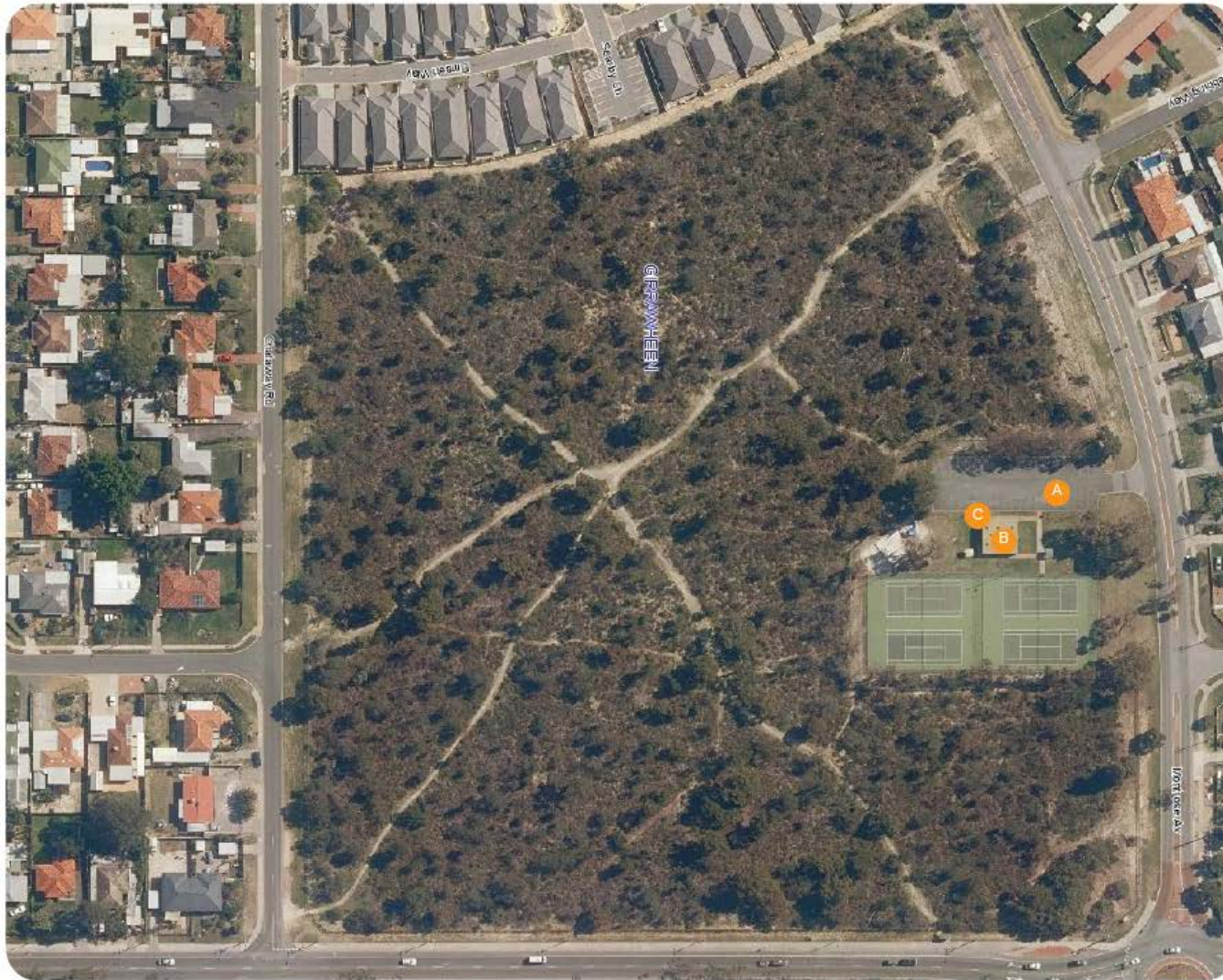
- Building Refurbishment; and
- Undertake car park line marking.
-

Recommendations

Item	Indicative Cost	Priority
Car park line marking	\$2,000	1
Building Refurbishment – Audit	\$10,000	2
Total	\$12,000	

City of Wanneroo Active Reserves Master Plan

Montrose Park Master Plan



Principle:

Neighbourhood Park without active playing fields - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised Tennis.

Issues & Considerations:

- Minimal security lighting on the toilet block,
- Testing is required to determine whether floodlighting is compliant with current Australian Standard AS2560 for lighting for outdoor tennis courts (80 lux),
- Disabled toilets do not comply with the Building Code of Australia.

Recommendations:

- A** Undertake car park line marking as per the current capital works program,
 - B** Undertake a detailed audit of the existing sports amenity building to determine any requirement for refurbishment as per the current capital works program, including determining the status of the existing disabled toilet,
 - C** Upgrade security lighting on the toilet block,
- Test flood lighting to establish if it is to standard for outdoor tennis at 80 lux.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Montrose Park, Girrawheen - South Zone



City of Wanneroo Active Reserves Master Plan

Montrose Park Cost Report



Montrose Park, Girrawheen

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	MONTORSE PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	5,000
XB	Outbuildings and Covered Ways	5,000
XE	External Electric Light and Power	9,000
PR	Preliminaries	2,000
	Net Project Cost	21,000
	Planning Contingency (5%)	2,000
	Design Contingency (10%)	3,000
	Construction Contingency (5%)	2,000
	Professional Fees (10%)	3,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	31,000
	Escalation to Tender (12 months)	1,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	32,000
	GST	3,200
	ESTIMATED TOTAL COMMITMENT (Incl GST)	35,200

City of Wanneroo Active Reserves Master Plan

4.1.13 Paloma Park

Location

This Park is located on Rawlinson Drive, Marangaroo. The site is one lot and is registered as lot 11288 on Reserve number 41225.

The Park has an overall land area of approximately 11.5 hectares classifying the park as a District Park. The Park is Crown Land vested to the City of Wanneroo for the purpose of public recreation, noting there is a significant conservation area in the southern area of the park supporting two active ovals. The existing change rooms on site support the North oval.

Paloma Park is bounded by residential to the North, south and east. To the west is a major road in Mirrabooka Avenue and Alexander Heights shopping centre. The site is relatively flat.

Existing Infrastructure

Facility	Amenity	Size
Change rooms/ toilet block	Toilet/Changeroom	1 toilet (non-compliant)1 urinal
	Toilet/Changeroom	1 toilets 1 (non-compliant toilet)
Active Reserve	North - AFL	140m x 120m(senior)
	South -AFL	120m x 85m (junior)
	North –Cricket	125m diameter(senior)
	South –Cricket	80m diameter (junior)
Basketball Facility	3 on 3 basketball ring on a concrete pad no line markings	7m x 7m
Playground Facility	Double Swing	
	See saw	
	Spring unit	
Park Benches	6 Benches	
Car Park	2 car parks both bitumen bays marked. One located to the west of the main playing field and second car park separates the two playing fields	75 bays
Floodlighting	2 light poles North Oval 2 light poles South Oval	Currently do not meet the Australian Standard for large ball sports training
Skate Park Facility		24m x 13m currently no lighting
Water	Service to the Toilet block	N/A
Power	Service to the Toilet Block	N/A

Usage and Limitations

Key points to consider;

North Oval

- The Oval currently has one winter season user group, being the Jaguars Softball Club (juniors) who used the oval on Wednesday nights (6:00pm-7:00pm) and seniors from (7:00pm to 9:00pm) both for training purposes; and
- The Oval currently has two summer season user groups being the Landsdale Junior Cricket Club who book the venue for both training Monday to Friday (4:30pm to 6:30pm) and competition on Saturday and Sunday (7:30am to 12:30pm). Landsdale Senior Cricket Club hires the venue every Saturday afternoon (12:30pm to 6:30pm) as a competition venue.

City of Wanneroo Active Reserves Master Plan

South Oval

- The Oval is not hired during the winter season; and
- The Oval has one booking during the summer season, being Wanneroo Giants Baseball Club for training on Thursday (5:00pm to 7:00pm).

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- Change room block constructed in 1996, additional store room 3mx6m built in 2002;
- Fields hydrozoned in the 2013/14 financial year;
- Minimal security lighting on the change room block;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux);
- City has not recently received any complaints from user groups regarding the condition of the surface;
- Disabled toilets do not comply with the Building Code of Australia;
- Backboard on the basketball facility is in fair condition;
- No lighting on the basketball facility; and
- No lighting of the skate park facility.

Future Impacts, Site limitations

Key points to consider;

- Lighting of the skate park to occur in the 2014/15 financial year;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits;
- In the southern conservation area it has been identified that there are Threatened Ecological Communities present;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

The Reference Group held its third meeting on 8 October 2014, and amongst other items, considered report 4.5 – Marangaroo Active Reserves Analysis.

- Floodlighting of the active reserve (playing field) to large ball sport training level;
- Building and storage audit;
- Path network;
- Installation of 3 on 3 basketball court near the skate park;
- Clearing of vegetation undergrowth;

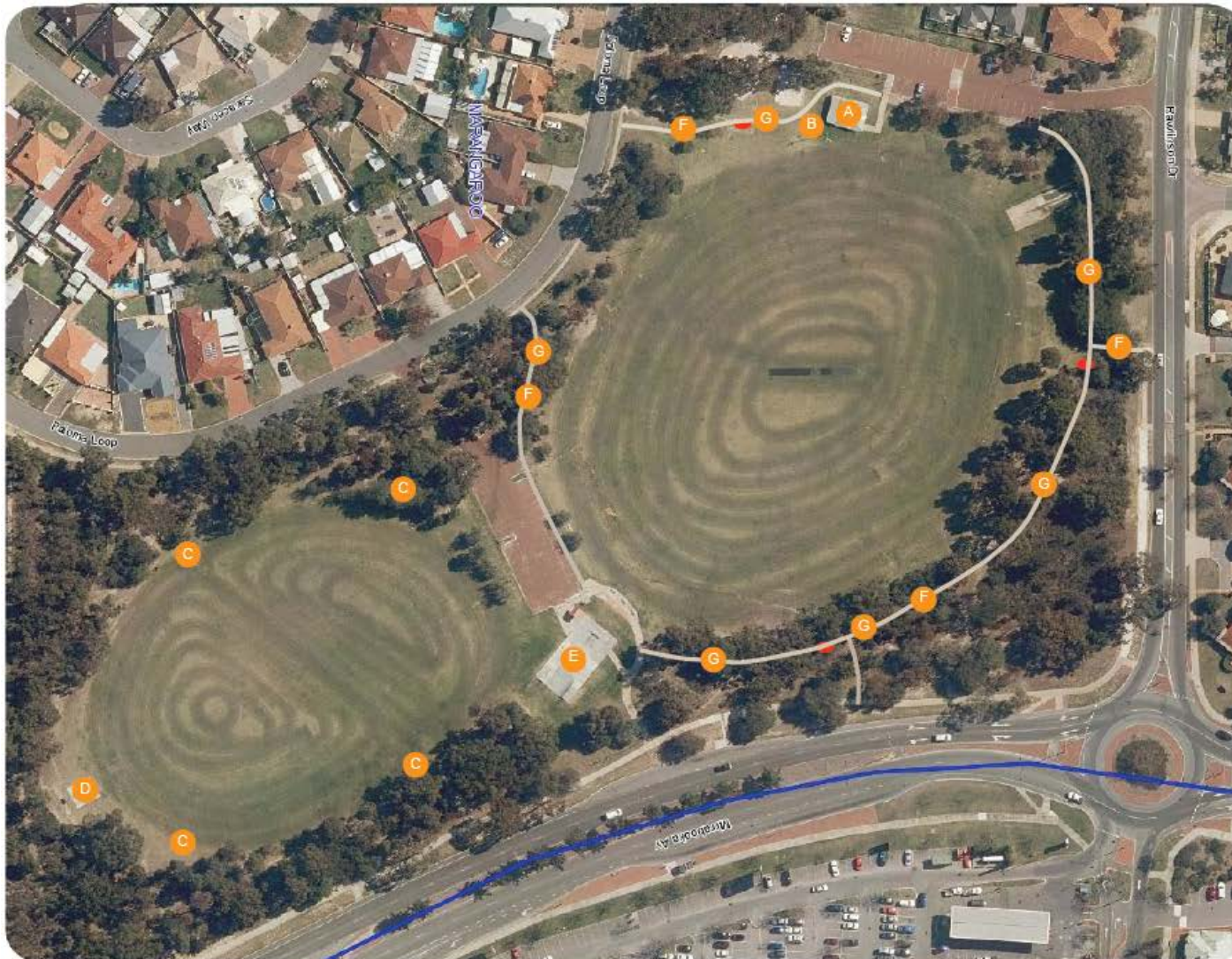
City of Wanneroo Active Reserves Master Plan

- Relocate playground or improve existing playground amenities;
- Exercise equipment – priority area; and
- Relocate cricket wickets.

Recommendations

Item	Indicative Cost	Priority
Floodlighting of the active reserve (playing field) to large ball sport training level;	\$250,000	1
Installation of 3 on 3 basketball court near the skate park	\$60,000	2
Playground upgrade	\$45,000	3
Building audit	\$ 10,000	4
Exercise equipment – priority area	\$36,000	5
Relocate cricket nets	\$45,000	6
Path network	\$160,930	7
Clearing of vegetation undergrowth	Maintenance	N/A
Total	\$606,930.00	

Paloma Park Master Plan



Principle:

Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for AFL, cricket and rectangular field sports (soccer and rugby) and diamond sports with the ability to meet changing needs in the future.

Issues & Considerations:

- Minimal security lighting on the change room block,
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux),
- Fields hydrozoned in the 2013/14 financial year,
- Disabled toilets do not comply with the Building Code of Australia,
- Backboard on the basketball facility is in fair condition,
- No lighting on the basketball facility,
- No lighting of the skate park facility.

Recommendations:

- A** Upgrade toilets and change room block to comply with Building Code of Australia standards,
- B** Upgrade security lighting on change room block,
- C** Upgrade ground lighting to Australian Standard AS2560 for large ball sports training at 50 lux on 4 towers,
- D** Replace backboard and install lighting on basketball facility,
- E** Install lighting on skate park facility as per 2014/15 capital works program,
- F** Design and construct a path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place totalling 1,463 linear m, and with the provision of park benches on the path network with supporting security lighting,
- G** Establish fitness equipment along path network being 6 pieces.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Paloma Park, Marangaroo - South Zone

City of Wanneroo Active Reserves Master Plan

Paloma Park Cost Report



Paloma Park, Marangaroo

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	PALOMA PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	87,500
XB	Outbuildings and Covered Ways	230,000
XL	Landscaping and Improvements	41,400
XE	External Electric Light and Power	425,000
PR	Preliminaries	63,100
	Net Project Cost	847,000
	Planning Contingency (5%)	43,000
	Design Contingency (10%)	85,000
	Construction Contingency (5%)	43,000
	Professional Fees (10%)	98,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,116,000
	Escalation to Tender (12 months)	29,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,145,000
	GST	114,500
	ESTIMATED TOTAL COMMITMENT (Incl GST)	1,259,500

City of Wanneroo Active Reserves Master Plan

4.1.14 Shelvock Park

Location

This Park is located on Shelvock Crescent, Koondoola. The site is on lot number 578 on reserve number 33506, Shelvock Park has an overall land area of approximately 4 hectares classifying the Park as a Neighbourhood Park. The Park is Crown Land vested to the City of Wanneroo for the purpose of public recreation.

Shelvock Park is bounded by residential properties on the west, east and south. To the north is residential however separated by a major road Marrangaroo Drive. The land on which the Park is on has five metre fall from the south to the north east corner.

Existing Infrastructure

Facility	Amenity	Size
Change rooms toilet block	Male	1 toilet (non-compliant)1 urinal
	Female	2 toilets 1 (non-compliant toilet)
	Change room 1	6m x 5m including Shower
	Change room 2	6m x 5m including Shower
	Kiosk	Used as a store rooms by resident clubs
	Store room	No dedicated store room
Active Reserve	Soccer	West 86m x 66m, East 100m x 75m (both senior)
Playground Facility	Combination Unit –Large	
	Spring Rocker	
	Double Swing	
Park Benches	Sitting benches	5
Car Park	Bitumen	80 bays
Floodlighting	2 light poles	Currently do not meet the Australian Standard for large ball sports training.
Water	Service to the Clubrooms	N/A
Power	Service to the Clubroom	N/A

Usage and Limitations

The Park has two bookable fields defined by Administration as East and West, West bookings for the 2014 winter season are as follows;

- Next Generation Garunashin Group once a week on Saturday (2:30pm to 4:15pm); and
- Vietnamese Soccer Club of WA once a week on a Sunday (12:00pm to 5:00pm).

Bookings for the East field are as follows;

- Kingsway United Christian Football Club twice a week on a Tuesday and Thursday (4:00pm-6:30pm).

West field bookings for the 2014 summer season are as follows;

- Kingsway United Christian Football Club once a week on Saturday (8:30am to 12:00pm);
- Hornbill Soccer Club once a week on a Saturday (1:30pm to 5:30pm); and
- Vietnamese Soccer Club of WA once a week on a Sunday from (12:00pm to 6:00pm).

City of Wanneroo Active Reserves Master Plan

Summer Bookings for the East field are as follows;

- Kingsway United Christian Football Club once a week on a Saturday (8:00am to 12:00pm); and
- Rumbek Bright Star twice a week on Wednesday and Friday (6:00pm to 8:30pm).

Historically use of the facilities at the Park has been limited by the condition of the existing infrastructure and also demand for these facilities within the South Ward.

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The changeroom toilet block is aging and is in fair condition;
- Minimal security lighting on the change room block;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux);
- Small backnet located on site, does not comply with Baseball or softball standards goals at times are placed in front of the fence to stop the soccer goals;
- Disabled toilets do not comply with the Building Code of Australia; and
- In recent years the City has received feedback from the user groups that the condition of the turf is in poor condition. The City did undertake hydrozoning of the field in 2013/14 which contributed to the field's condition. The condition of the field has improved but would still be only rated in fair condition.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has been undertaken (2013/14);
- 10 Year Capital works program for 2014/15 currently has listed \$36,000 for the design of Sports Floodlighting;
- 10 year Capital Works program for 2015/16 currently has listed \$377,000 for the construction of sports floodlighting;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system;
- The Park is made up of one lot which would not require amalgamation of lots;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic impact investigation.

Outcomes

The Reference Group held its second meeting on 10 September 2014, and amongst other items, considered report 4.3 – Koondoola Active Reserves Analysis.

- Floodlighting of the active reserve (playing field) to large ball sport training level;

City of Wanneroo Active Reserves Master Plan

- Fencing along Marangaroo drive;
- Resurface turf playing areas;
- Upgrade change room facilities;
- Amenities building refurbished and inclusion of storage areas and uncovered area;
- BBQ and seating area;
- Outdoor fitness circuit around the perimeter of the park with exercise lighting;
- Additional car park located on Callison Way;
- Drink fountain; and
- Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network.

•

Recommendations

Item	Indicative Cost	Priority
Fencing along Marangaroo drive	\$9,450	1
Drink fountain	\$3,000	2
Upgrade change rooms to include an uncovered area Amenities building refurbished and storage area to be considered	\$10,000	3
Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting	\$65,010	4
BBQ and seating area	\$35,000	5
Exercise circuit plus lighting	\$36,000	6
Additional car park located on Callison Street	\$50,000	7
Total	\$458,460	

City of Wanneroo Active Reserves Master Plan

Shelvock Park Master Plan



Principle:

Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for rectangular field sports (soccer and rugby) and triangle sports with the ability to meet changing needs in the future.

Issues & Considerations:

- Historically use of the Park has been limited by the condition of the infrastructure and demand,
- The change room toilet block is aging and is in fair condition,
- Minimal security lighting on the change room block;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux);
- Backnet does not comply with Baseball or softball standards,
- Disabled toilets do not comply with the Building Code of Australia,
- Feedback from user groups that the condition of the turf is poor.

Recommendations:

- A** Design and construct a path network totalling 591 linear m, with the provision of park benches and supporting security lighting,
- B** Design and construct an additional car park located on Callison Street with 20 bays,
- C** Establish an exercise circuit with 6 pieces of equipment and appropriate lighting,
- D** Establish a standard BBQ with shelter and food preparation area for communal use,
- E** Undertake an amenities audit of the change rooms to determine the nature of required refurbishments,
- F** Fencing along Marangaroo drive at 210 linear m, Provide a drink fountain near to the existing change rooms,
- G** Upgrade change rooms to include an uncovered area Amenities building refurbished and storage areas as required,
- H** Upgrade ground lighting to comply with standard for large ball sports at 50 lux on 4 towers,
- I** Replace backnet.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Shelvock Park, Koondoola - South Zone.



City of Wanneroo Active Reserves Master Plan

Shelvock Park Cost Report



Shelvock Park, Koondoola

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	SHELVOCK PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	152,850
XN	Boundary Walls, Fencing and Gates	31,500
XB	Outbuildings and Covered Ways	381,000
XL	Landscaping and Improvements	93,400
XW	External Water Supply	1,000
XE	External Electric Light and Power	630,000
PR	Preliminaries	103,250
	Net Project Cost	1,393,000
	Planning Contingency (5%)	70,000
	Design Contingency (10%)	140,000
	Construction Contingency (5%)	70,000
	Professional Fees (10%)	161,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,834,000
	Escalation to Tender (12 months)	47,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,881,000
	GST	188,100

City of Wanneroo Active Reserves Master Plan

4.1.15 Warradale Park

Location

Warradale Park is located on Warradale Terrace, Landsdale. The site has two lots; Lot Number 12938 located on Reserve No 45966 and Lot 13968 on Reserve No. 45966. Warradale Park has an overall land area of approximately 11 hectares classifying the Park as a District Park. The Park is supported by a community centre and clubroom facility. The Park is Crown Land vested to the City of Wanneroo for the purpose of public recreation.

The Park is bounded by residential properties on the north, east and west. To the South is the Landsdale Primary School. The northern section of the reserve is a man-made lake with the playing field located in the southern section of the reserve. There is a level difference of two metres across the site.

Existing Infrastructure

Facility	Amenity	Size
Change rooms connected to the community centre	Male toilet x 2 connected to the change rooms and community centre	1 urinal 1 toilet 1 disable toilet
	Female toilet	3 toilets 1 (toilet)
	Change room 1	5m x 5m including 3 showers
	Change room 2	5m x 5m including 3 showers
Clubrooms	Store room 1	4m x 3m
	Store room 2	4m x 3m
	Store room 3	4m x 3m
	Store room 4	3m x 3m
	Activities Room	10m x 7m
Active Reserve	Kitchen	7m x 7m Good condition
	Cricket	Diameter 120m approx. (senior)
	AFL	138m x 107m (junior)
Playground Facility	3 on 3 Basketball	Circle shaped 13m x 13m
	Combination Unit –Large	
Park Benches	5 benches	N/A
Cricket Nets	2 cricket nets	25m x 11m
Car Park	Bitumen and line marked	40 bays
Floodlighting	2 light poles	Currently do not meet the Australian Standard for large ball sports training
Water	Service to the toilet block	N/A
Power	Service to the toilet block	N/A

Usage and Limitations

Key points to consider;

- Currently the Kingsway Junior AFL club is the sole hirer after school hours during the winter, with bookings from 4:30pm to 7:30pm, Monday to Friday, with competition booked for Sundays from 8:00am to 3:30pm;
- During the summer the Landsdale Junior and Senior Cricket Clubs hire the venue. Junior Cricket book the venue on Monday, Wednesday and Friday from 4:30pm to 7:30pm and Senior Cricket on Tuesday and Thursday from 4:30pm to 7:30pm;

City of Wanneroo Active Reserves Master Plan

- Both the Senior and Junior Clubs use the venue as a competition venue with the juniors booking the venue on Saturday and Sunday 7:30am to 12:30 pm. The Senior club books the venue from 12:30pm to 6:00pm on Saturday; and
- The Landsdale Primary School book the oval every school day from 8:00am to 3:30pm. It should be noted that there is no joint use agreement currently in place.

Infrastructure Condition

A review of existing audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- Community Centre built in 2002, with the Clubrooms built in 2010. Both are in good condition;
- Floodlighting does not meet current Australian Standard AS2560 for large ball sports training (50 lux) for the eastern field;
- The irrigation infrastructure is not hydro zoned but is proposed to be completed in 2014/15 financial year;
- City has received complaints in recent years regarding the condition of the playing surface; and
- The general condition of the cricket nets has been raised as a concern by clubs.

Future Impacts, Site limitations

Key points to consider;

- 2015/16 construction, Warradale Park extensions:
 - Playing field dimensions increased to 160m x130m (senior AFL);
 - Installation of two flood lights (to support the existing two floodlights) to achieve a 50 lux level across the ground in accordance with Australian standard 2560.2 for Large Ball Sports lighting;
 - Car park extension of 40 bays; and
 - Relocation and increasing the cricket nets from 2 to 4.
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- Two Aboriginal Heritage sites listed on site; City has had advise from Department of Aboriginal Affairs that no section 18 is required and works can be undertaken on site;
- The trees on the site are mature and as such any clearing of existing trees would require an environmental investigation and clearing permits;
- Any proposed lighting infrastructure upgrades will need to take into consideration the capacity of the existing power supply to the site and potential upgrades;
- The Park is made up of one lot which would not require amalgamation of lots;
- Any proposed changes or new developments of major infrastructure on site maybe subject to appropriate development building approvals, and
- Any proposed increase use of the reserve may result in the need to undertake a traffic count.

Outcomes and Recommendations

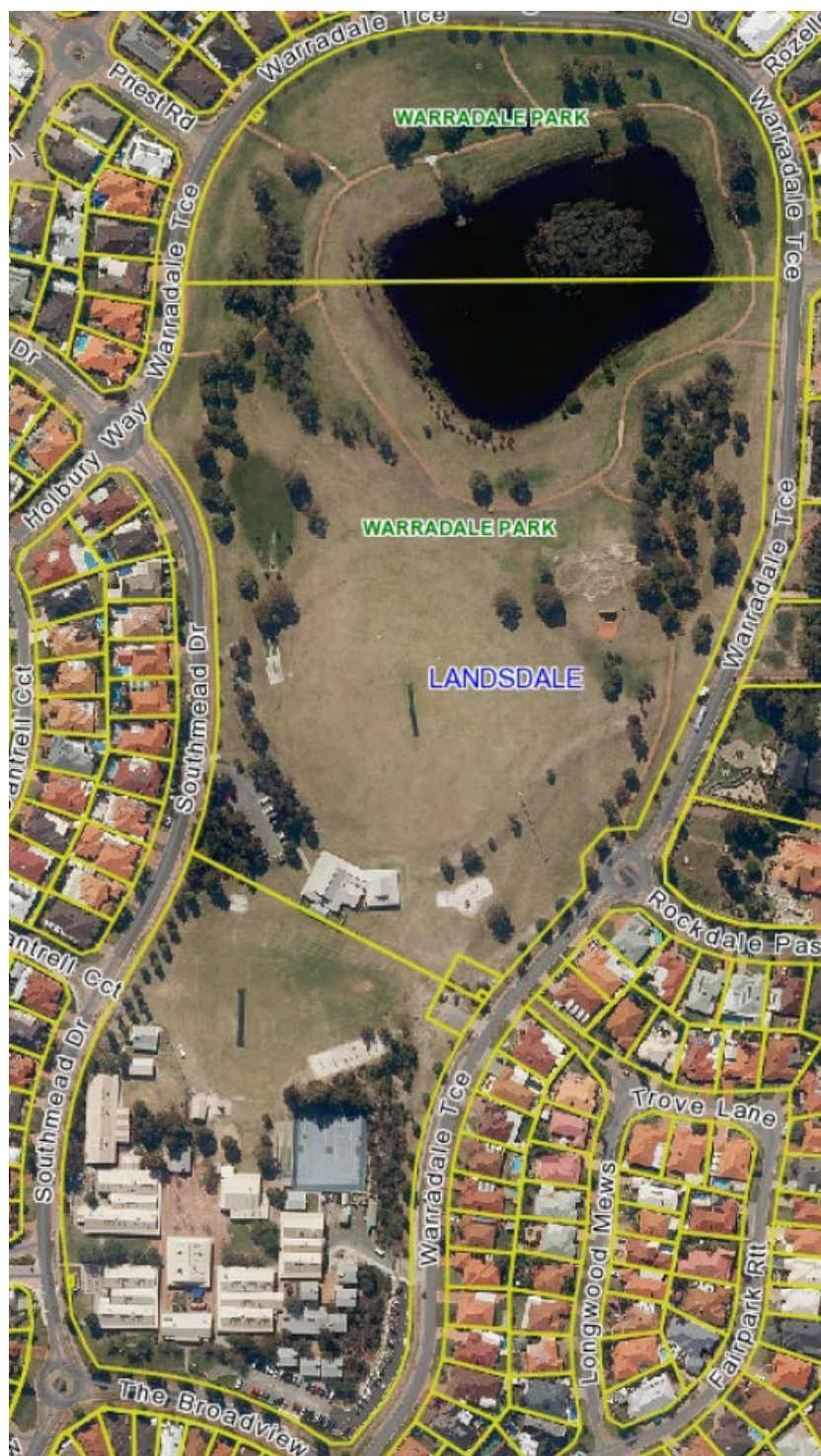
Warradale Park was not included as part of the Concept Design or Costings process as this work had previously been undertaken and listed in the 2014/15 10 Year Capital Works program as follows:

- 2015/16, \$710,700 (PR-2824) – Construction Warradale Park extension;

City of Wanneroo Active Reserves Master Plan

- 2018/19, \$123,600 (PR-2827) – East Lansdale Active Shared Use POS - concept design and consultation.
- 2019/20), - \$1,161,840 (PR-2827) – East Lansdale Active Shared Use POS – construction.

Warradale Park Site Aerial



Warradale Park Cost Report

The costings for Warradale Park were undertaken previous to this report as part of the City's usual Capital Works Budgeting processes. As a result an additional cost estimate was not undertaken as part of the ARMP process.

City of Wanneroo Active Reserves Master Plan

4.2 CENTRAL WARD

4.2.1 Edgar Griffiths Park

Location

Under the City's Local Planning Policy 4.3 Public Open Space Policy (LPP 4.3), Edgar Griffiths Park (the Park) is classified a District Active Park, however due to the current configuration and format, the park is considered as a Neighbourhood Active Park supporting junior sport.

Edgar Griffiths Park (Reserve No: 36601) is located in Sinagra in the north-east corner of Wanneroo. The park was vested in the City of Wanneroo in 1987 and is approximately 23.97 hectares in area. It consists of a junior sized AFL oval, central cricket wicket, cricket practice nets, toilets, carpark, playground and bushland areas.

The land was handed over by Dr Edgar Griffiths on the proviso that it remained passive recreation space. It should be noted there are two parcels of land that make up Edgar Griffiths Park. The main parcel is currently used for the purposes outlined above and is Lot 10080. The east (Lot 10857) has a land area of 9.2 ha however approximately 5.8 ha of this site to the north/east is bush forever. This leaves only 3.4 ha that could be amalgamated with Lot 10080.

The current active section (Lot 10080) is MRS zoned rural however the east (Lot 10857) is zoned Parks & Recreation. The residential lots surrounding the park are zoned special rural.

Existing Infrastructure

Facility	Amenity	Size/Comment
Toilets	Male Toilets	1 toilet, 1 urinal (no showers)
	Female Change Rooms/Toilets	2 toilets (no showers)
	Disabled Toilet	1 (non-compliant)
Active Reserve	Junior AFL Junior Cricket Cricket Nets	1 x AFL 1 wicket Training (DoE)
Playground Facility	Combination Unit –Medium & Swings	Installed 2001
Park Benches	4 bench seats surround the reserve and play area. There are also 2 picnic settings near the playground.	
Car Park	49 bays / 1 Disabled	Upgraded from 36 bays
Floodlighting	N/A	
Water	No potable water	Bore water only
Power	Service to the Amenities Building	N/A
Signage	Old wooden signage	

Usage and Limitations

Key points to consider;

- There is no shared use arrangement for this reserve;
- Wanneroo Amateur Football Club no longer uses this facility; and
- Dog walkers often use this facility.

Three clubs have weekly summer seasonal use as follows:

- Wanneroo Cricket Club – Seniors – 5.5 hours (39 players)
- Wanneroo Cricket Club – Juniors – 19 hours (26 players)
- Wanneroo Little Athletics Club – 5 hours (50 persons)

City of Wanneroo Active Reserves Master Plan

One club has weekly winter seasonal use as follows:

- Wanneroo Junior Football Club – 6 hours (110 players)

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The toilet block was constructed in 1986 and has no potable water;
- There is no floodlighting;
- Playground was replaced as part of the City's playground renewal program in 2001 and is not due for renewal; and
- There are no drinking fountains onsite.

Future Impacts, Site limitations

Key points to consider;

- The Park is made up of two lots, however only one lot has been developed;
- Hydrozoning of the Park has been undertaken;
- There are environmental restrictions currently listed against the Park on the City's GIS system. A bush forever site is located on Lot 10857 to the north east of the reserve; however Lot 10080 has no restrictions; and
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system.

Outcomes of Consultation Workshop 1 held on 15 September 2014

- Several requests for clean drinking water;
- Floodlighting;
- Larger car park (note, this has been increased from 36 to 48 bays);
- Change rooms and kiosk facilities; and
- Request for a new sea container however this could be storage facilities.

Other consultation and feedback

- This park was master planned in 2004 and was identified as a potential reserve to alleviate other facilities usage within the local area;
- The Park may receive support from the community if promoted for junior sports only. Previous consultation in 2004 clearly identified that the residents did not support senior sporting activities at this reserve. Edgar Griffiths Park may be used to support the activities and alleviate the current pressure from the Wanneroo Showgrounds;
- In terms of future facility requirements for the Park, the population growth within Wanneroo and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community; and
- It should be noted that the Wanneroo Junior Football Club, Wanneroo Junior Cricket Club, Wanneroo Amateur Football Club and Wanneroo Senior Cricket Club were part of the consultation workshops held in 2004 when the master plan was developed. These clubs, with the exception of the Wanneroo Amateur Football Club are still using this facility however it has been suggested that the overarching associations of these clubs will restrict their fixtures due to the inadequacies of the facility to provide basic amenities such as water and change rooms.

City of Wanneroo Active Reserves Master Plan

Outcomes of Consultation Workshop 2 held on 28 May 2015

- Potential to move Wanneroo Cricket Juniors from Showgrounds if water is available; and
- Parking on the road side needs to be stabilised.

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Consider the 2004 master plan layout and include;
 - Connection of scheme water supply for drinking;
 - Upgraded toilet facilities, change rooms and kiosk;
 - Provide an accessible drinking fountain for users of the active playing field;
 - Floodlighting to 50lux and be positioned to suit the sports played on the reserve;
 - Allow space for senior sized AFL oval; and
 - Promote as junior AFL facility and a support ground for the Wanneroo Showgrounds.

Edgar Griffiths Park Master Plan



Principles

Classified as a District Park but configured as a Neighbourhood Park - Upgrade and augment facilities to continue use for organised junior sport and passive recreation. This ground is an adjunct to help relieve some of the loading on Wanneroo Showgrounds for junior AFL and cricket.

Issues and Considerations

- Toilets were constructed in 1986 and are not compliant
- There are 4 bench seats and two picnic settings around the ground
- The car park has 49 bays up from 36
- There is no lighting
- There is no potable water to the toilet block

Recommendations

- A** Upgrade/replace toilet/change room/kiosk facilities to bring to standard 171.3m² plus 2 storage rooms of 6 x 3m each
- B** Connect toilet block to scheme water
- C** Provide drinking water fountain adjacent to toilets
- D** Install flood lighting to 50 Lux on 4 towers
- E** Provide space for a senior sized AFL oval between 135m - 185m in length, and between 110m - 155m in width
- F** Promote ground as a junior AFL facility and a support to Wanneroo Show grounds

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Edgar Griffiths Park, Wanneroo - South Zone



City of Wanneroo Active Reserves Master Plan

Edgar Griffiths Park Cost Report



Edgar Griffiths Park, Wanneroo (Rev 1)

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 1	
	Job No: 17441	
	EDGAR GRIFFITHS PARK	
	MAIN SUMMARY	
	XB Outbuildings and Covered Ways	484,400
	XL Landscaping and Improvements	337,000
	XW External Water Supply	56,500
	XE External Electric Light and Power	280,000
	PR Preliminaries	93,100
	Net Project Cost	1,251,000
	Planning Contingency (5%)	63,000
	Design Contingency (10%)	126,000
	Construction Contingency (5%)	63,000
	Professional Fees (10%)	144,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,647,000
	Escalation to Tender (12 months)	43,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,690,000
	GST	169,000
	ESTIMATED TOTAL COMMITMENT (Incl GST)	1,859,000

City of Wanneroo Active Reserves Master Plan

4.2.2 Houghton Park

Location

Houghton Park is located on the corner of Joondalup Drive & Houghton Drive Carramar. The site is described as Lot Number 15371 on Reserve No 48106, and has an overall land area of approximately 5.1 hectares classifying the park as a Neighbourhood Park under the City's Local Planning Policy 4.3 Public Open Space Policy (LPP 4.3.)

The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. It should be noted there is a 'shared use agreement' in place with the Department of Education (DoE) for this Park therefore any infrastructure that is to be located on Carramar Primary school site should be negotiated with DoE.

In terms of future facility requirements for the Park, the stable nature of the population growth within Carramar and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

The Park has an open playing area with a Sports Amenities Building constructed in 2012, new floodlighting (2014), playgrounds and fitness equipment.

Facility	Amenity	Size/Comment
Sports Amenities Building	Male toilets	1 toilet, 2 urinal
	Female toilets	3 toilets
	Disabled Toilet	1 - compliant
	Change Room 1	35m ² – 3 showers, 1 toilet
	Change Room 2	38m ² – 3 showers, 1 toilet
	Change Room 3	38m ² – 3 showers, 1 toilet
	First Aid Room	6.3m ²
	Kitchen	21.5m ²
	Referees Room	6.5m ² – Shower & Toilet
	Store Room 1	12m ²
	Store Room 2	12m ²
Store Room 3	12m ²	
Active Reserve	Soccer /AFL	2 soccer pitches (or 1 x AFL & 1 Soccer)
	Cricket	1 wicket
	Modcrosse Cricket nets	Training 2 (DoE)
Playground Facility	Combination Unit –Medium & Swings	
Fitness Equipment	8 pieces	New (2014 installed)
BMX / Skate	BMX	
Park Benches	No seating around Active Reserves – Located in passive area	
Car Park	44 bays / 1 Disabled	N/A
Floodlighting	4 light poles	New AS2560 Compliant
Water	Service to the Amenities Building	N/A
Power	Service to the Amenities Building	N/A
Signage	New Block Signage	May need directional signage

City of Wanneroo Active Reserves Master Plan

Usage and Limitations

Key points to consider;

Carramar Primary School has use of the active reserve during school hours only (35.75 hours per week during school terms) as per Shared Use Agreement.

Five clubs have weekly summer seasonal use as follows:

- Neerabup Cricket Club – 2 hours (20 members)
- Wanneroo Cricket Club – Junior - 10 hours (100 members)
- Wanneroo Cricket Club – Senior - 5.5 hours (75 members)
- Step into Life – 7 hours (10 persons)
- Wanneroo/Joondalup T-Ball Association – 1 hour (9 members)

Two clubs have weekly winter seasonal use as follows:

- Carramar Football Club – 21 hours (345 members)
- Step into Life – 7 hours (10 members)
- Wanneroo Modcrosse Club - 2 hours (57 members)

Infrastructure Condition

A review of audit data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The Sports Amenities Building was constructed in 2012 however Carramar FC have commented about the size of the storage areas, in particular the lack of height of the entrance;
- New Floodlighting was completed in August 2014 and meets Australian Standard AS2560 for large ball sports training (50 lux);
- Playground was replaced as part of the City's playground renewal program in 2007 and is not due for renewal until 2022;
- Fitness equipment was replaced in 2014; and
- The only drinking fountain is located near the BMX track and there are none near the active playing field.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system; and
- The Park is made up of two lots, with the north-west corner being on Department of Education land.

Outcomes of Consultation Workshop 1 held on 15 September 2014

- Request for 2 permanent sets of soccer goals to be in place and to move AFL goals to the middle of the oval;
- Note if this is achievable, then the school must be able to use AFL and soccer goals during the day at the same time. (i.e. – one AFL playing field and 1 soccer playing field) The school also have an athletics track to be accommodated in summer;

City of Wanneroo Active Reserves Master Plan

- Previous correspondence to Carramar FC after consultation with Carramar Primary School is:

'Two soccer pitches may be being marked on the oval, however the second pitch (western side near Houghton Drive) is to have removable goals not fixed goals.

The Carramar FC to be responsible for setting up and removing the portable goals after each the weekend matches during the Winter Season only.

The pitch would need to be marked out in a different colour other than white.

The Carramar FC would need to understand that the school will mark out an athletics track and this would cross over their lines.

That Carramar FC understand that the school have priority use between the hours of 8:30am – 3:30pm, Monday to Friday

That the existing AFL goals will remain in place and cannot be relocated or removed.

That the cricket wicket will be covered with the City's rubber matting during the winter season (middle of March to end of September)'

- Pitch needs to be re-laid –pot holes over pitch. Dangerous pitch;
- Comments received that the irrigation boxes to be moved towards fencing so a full pitch can be marked out; and
- Request for more bins.

Outcomes of Consultation Workshop 2 held on 28 May 2015

Nil.

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Consider the height of the storage doors on the Sports Amenities Building;
- Bench seating around the park to be considered;
- Accessible drink fountain for users of the active playing field to be fitted to the building;
- Car park is considered to be of adequate size;
- Upgrade irrigation to facilitate hydrozoning;
- Revegetation of northern area;
- Provide additional bins;
- Review storage door height; and
- Improved grounds maintenance, pot holes etc.

City of Wanneroo Active Reserves Master Plan

Houghton Park Master Plan



Principles

To respond to increasing demand and bring existing facilities up to standard. Increase usability.

Issues and Considerations

- Storage areas in sports amenity building too small
- No drinking fountain near active ground
- Hydrozones not implemented and irrigation may have uneven pressure and low DU
- Ground condition and goal mouths marginal on occasions
- Need to rationalize soccer and AFL goal posts
- Cricket pitch has pot holes
- More rubbish bins required near active ground
- Catchment population expected to increase from 7,134 in 2014 to 8,339 in 2024

Recommendations

- A** Establish a drinking fountain next to change rooms
- B** Upgrade irrigation to facilitate hydrozoning
- C** Establish one set of permanent soccer goals on eastern pitch and one set of removable goals on western pitch
- D** Northern vegetation area to be revegetated with heathland understorey and seek irrigation allocation to provide offsets areas for sports turf areas
- E** Renew cricket pitch
- F** Shift irrigation boxes from soccer pitch or provide alternative covering
- G** Additional rubbish bins near active reserve (3 rubbish bins)
- H** Establish nodes and interpretative signage and bench seating along pathways in bushland (5 nodes each consisting 2.5m² pavement, bench seat and sign)
- I** Review storage door height
- J** Provide bench seating around the park (2x Bench Seats)

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Houghton Park, Carramar - Central Zone

City of Wanneroo Active Reserves Master Plan

Houghton Park Cost Report



Houghton Park, Carramar

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	HOUGHTON PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	1,350
XB	Outbuildings and Covered Ways	10,000
XL	Landscaping and Improvements	175,550
XW	External Water Supply	1,000
PR	Preliminaries	15,100
	Net Project Cost	203,000
	Planning Contingency (5%)	11,000
	Design Contingency (10%)	21,000
	Construction Contingency (5%)	11,000
	Professional Fees (10%)	24,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	270,000
	Escalation to Tender (12 months)	7,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	277,000
	GST	27,700
	ESTIMATED TOTAL COMMITMENT (Incl GST)	304,700

City of Wanneroo Active Reserves Master Plan

4.2.3 Jimbub Park

Location

Jimbub Park (Reserve No: 49727) is a 6.4 ha park located at (Lot 8009) 120 Walburg Drive, Tapping and is classified a Neighbourhood Active Park under the City's Local Planning Policy 4.3 Public Open Space Policy

Jimbub Park was developed in 2012 however the reserve has not been used as an Active Reserve by the community as there have been issues with drainage on the main field. Stage 2 of the development has been completed with other amenities so that the park is usable for passive recreation.

Existing Infrastructure

This Park was completed in May 2012 and was designed to provide an additional senior active playing reserve with associated amenities to local clubs and residents. This stage included:

- Final earthworks and clearing;
- Concreting for the path network, cricket wicket and practice wicket;
- Irrigation works and stolon planting; and
- Landscaping – mulching and planting.

In July 2014, project works under PR-1290 for the development of the Stage 2 amenities began at Jimbub Swamp Park and have now been completed.

These works included:

- Installation of fitness equipment stations;
- Installation of a lookout shelter;
- Installation of playground equipment;
- Installation of cricket practice nets; and
- Installation of park picnic and seating facilities.

The design of change rooms and kiosk are scheduled in the 2015/16 Capital Works Program PR-1290 at an amount of \$66,950. The construction of change rooms and kiosk and associated car parking and floodlighting being scheduled for 2016/17 at a budgeted amount of \$1,078,925 (\$740,000 municipal funds and \$338,925 grant funding).

The drainage issue still exists at Jimbub Swamp Park and until this resolved, the park cannot be used by seasonal groups for active sports.

Existing Infrastructure

Existing facilities on the Park include:

Facility	Amenity	Size/Comment
Toilets/Change rooms	None at present. Scope will be developed in 2015/16.	
Active Reserve	AFL Cricket	No designated sport yet however has the capacity to cater for senior AFL and Cricket
Playground Facility	New	Installed 2014
Park Benches	Lookout shelter and bench seating	Installed 2014
Car Park	Currently off street parking	Car park is scheduled in the 2016/17 Capital Works Program
Floodlighting	Floodlight design is scheduled in the 2016/17 Capital Works	

City of Wanneroo Active Reserves Master Plan

	Program	
Water	Yes	
Power	Service to irrigation and floodlighting	
Signage	New block signage	

Usage and Limitations

Key points to consider;

There is no shared use arrangement for this reserve and no clubs that currently use this reserve.

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- A BBQ is yet to be installed and this will be completed in conjunction with the change rooms; and
- There are no toilets on this site.

Future Impacts, Site limitations

Key points to consider;

- The Park is partially developed and will undergo further works over the next 2 years;
- The park has issues with drainage preventing clubs from utilising the field;
- There are no environmental restrictions currently listed against the Park on the City's GIS system; and
- There are no bush forever site is located on Lot 8009.

Outcomes of Consultation Workshop 1 held on 15 September 2014

- All requests were made by the Wanneroo Cricket Club:
 - Provide drinking water;
 - Provide clubrooms; and
 - Provide senior facilities.

Other consultation and feedback

- There has been a previous request for the Wanneroo Softball Club to use this reserve.

Outcomes of Consultation Workshop 2 held on 28 May 2015

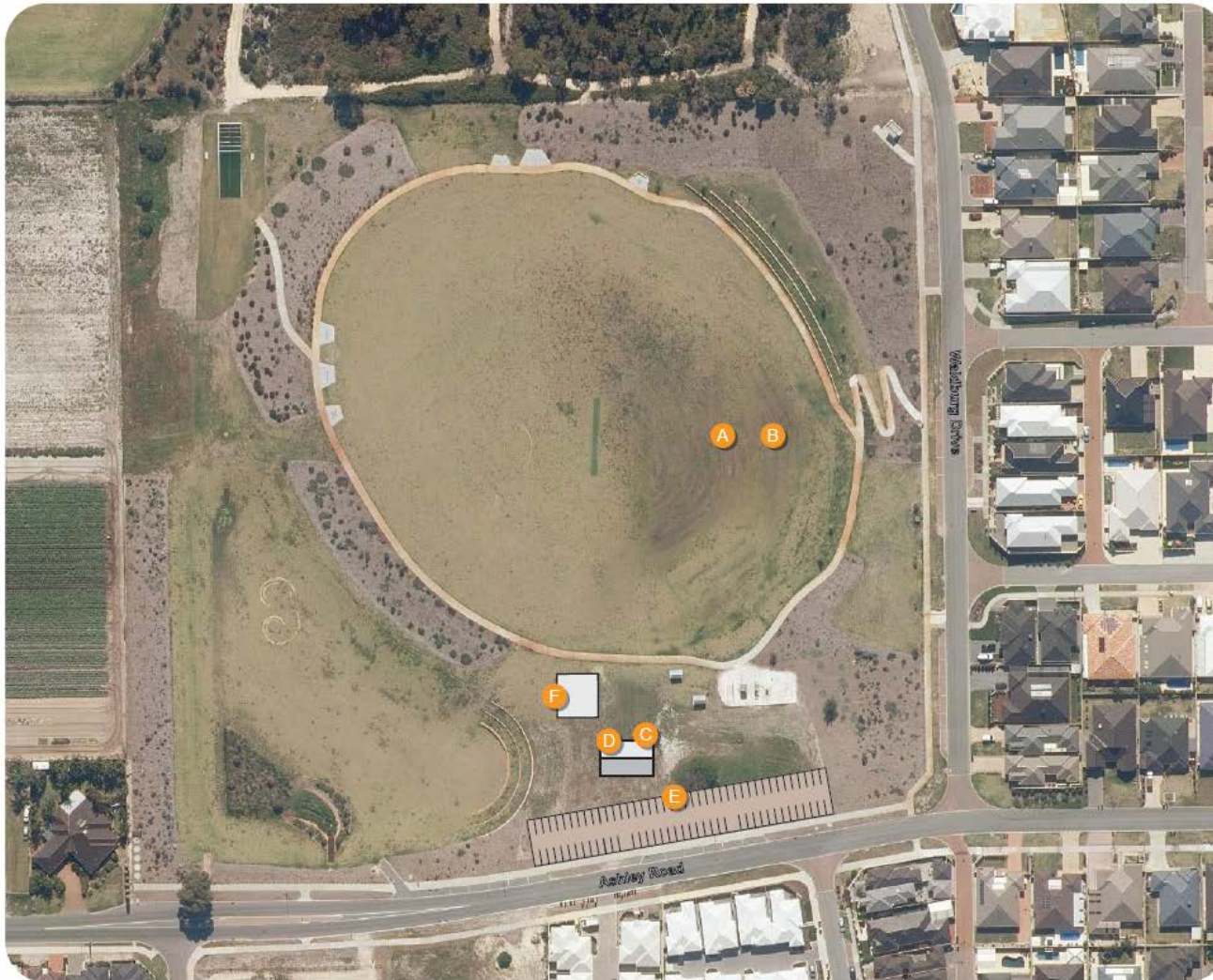
- Wanneroo Cricket Club expressed interest in moving here if there was a wicket

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Provide a sports amenities building;
- Provide car park bays (general layout assumes 80 bays);
- Investigate and rectify drainage issues; and
- Provide 3 on 3 basketball facility.

Jimjub Swamp Park Master Plan



Principles

Neighbourhood Park - Complete the reserve's development cycle as a multipurpose facility focusing on meeting current demand with the ability to meet changing needs in the future.

Issues and Considerations

- The reserve has the potential to become water logged in winter
- Change rooms have not been built
- There is no drinking fountain

Recommendations

- A** Investigate ground water logging
- B** Design and install sub-surface drainage and upstream groundwater interception structures as required
- C** Design change rooms and kiosk as per 2015/16 capital works program
- D** Construct change rooms and kiosk 248m² as per 2016/17 capital works program
- E** Review car parking requirements and construct 80 bay car park
- F** Locate 3 on 3 basketball half court with 1 basket (15.24m wide by 14.33m long)

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Jimjub Swamp Park, Tapping - Central Zone

0 20 50m 1:2000@A4 December 2014 Rev4



City of Wanneroo Active Reserves Master Plan

Jimbug Swamp Park Cost Report



Jimbug Swamp Park, Tapping (Rev 1)

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 1	
	Job No: 17441	
	JIMBUB SWAMP PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	230,500
XB	Outbuildings and Covered Ways	800,000
XL	Landscaping and Improvements	148,000
XK	Stormwater Drainage	10,000
XD	External Sewer Drainage	22,000
XW	External Water Supply	14,800
XE	External Electric Light and Power	40,000
PR	Preliminaries	101,700
	Net Project Cost	1,367,000
	Planning Contingency (5%)	69,000
	Design Contingency (10%)	137,000
	Construction Contingency (5%)	69,000
	Professional Fees (10%)	158,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,800,000
	Escalation to Tender (12 months)	46,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,846,000
	GST	184,600

City of Wanneroo Active Reserves Master Plan

4.2.4 Lake Joondalup Park

Location

Lake Joondalup Park (Reserve No: 33206) is located at (Lot 501) 349 Scenic Drive, Wanneroo. The adjoining land parcel to the north, (Lot 139) is also known as Lake Joondalup Park. Both parcels of land have a purpose of Public Recreation although the northern section is undeveloped.

The reserve currently supports junior football training, junior cricket and soccer training. There are no parking facilities, toilets or suitable lighting

The land parcels share a boundary with Lake Joondalup of which there are sections of Aboriginal Heritage locations (Site ID S02187) that need to be considered in any redevelopment. The MRS zoning lists bush forever.

This reserve forms part of the [Yellagonga Integrated Catchment Management Program](#).

Existing Infrastructure

Facility	Amenity	Size/Comment
Toilets/Changerooms	Male – 1 WC (Disabled), urinal, separate changing area Female – 2 WC + 1 Disabled, separate changing area	Originally built in 1975. Upgraded in 2006 to coincide with the new Opportunity Playspace opening.
Active Reserve	Junior Rugby AFL Junior Cricket	1 x Junior Rugby 1 Wicket 2 x cricket nets Sand softfall for jump pit
Playground Facility	Various including Liberty Swing (regional Playground)	Installed 2011
Park Benches	8 bench seats surrounding the central play area and 3 on the northern section	
Car Park	46 bays shared with Rotary Park	12 bays allocated for Lake Joondalup. Requires use of overflow parking
Floodlighting	2 poles that are non-compliant	
Water	Yes	
Power	Service to irrigation and floodlighting	
Signage	Old wooden signage	

Usage and Limitations

Key points to consider;

- There is no shared use arrangement for this reserve
- One club has weekly summer seasonal use as follows:
- Wanneroo Junior Cricket Club - 15 hours
- One organisation has a weekly annual seasonal use as follows:
- Karla Nelson Personal trainer - 4 hours
- There is no regular use during the winter season
- Dog walkers often use this facility

City of Wanneroo Active Reserves Master Plan

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The floodlighting is non-compliant;
- The toilet facilities and change rooms had modifications in 2006 however they are still the old City Standard;
- Rotary Park Regional Playground (Opportunity Playspace) was constructed in 2006 and is not due for renewal; and
- Parking is an issue and the reserve shares parking bays with Rotary Park.

Future Impacts, Site limitations

Key points to consider;

- The Park is made up of two lots, however only one lot has been developed.
- Hydrozoning of the Park is scheduled for 2014/15;
- There are environmental restrictions currently listed against the Park on the City's GIS system. A bush forever site is located on Lot 139 & Lot 501;
- Aboriginal and cultural heritage restrictions exist on both lots (Site ID S02187); and
- Yellagonga Integrated Catchment Management Program - http://www.wanneroo.wa.gov.au/Planning/Environmental_Protection/Yellagonga_Integrated_Catchment_Management_Program

Outcomes of Consultation Workshop held on 15 September 2014

- Request for lighting (Note there is lighting however the reserve is poorly lit);
- Request for change rooms. (Note there are changerooms, however they are in need of updating);
- Cricket wicket to be moved to centre of ground; and
- Provision of more parking.

Other consultation and feedback

- There has been no other consultation or feedback in relation to this park.

Outcomes of Consultation Workshop 2 held on 28 May 2015

- Request for cricket nets to be checked as there is a belief that they should be upgraded; and
- Relocation of the wicket was raised again as this has been situated in an unsuitable position.

Recommendations:

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Consider the upgrade of the toilet facilities and changerooms;
- Relocate cricket pitch to a central position while also considering other sports that may be played on this reserve;
- Floodlighting to be upgraded; and
- Off street parking bays to the north of the reserve to be considered.

City of Wanneroo Active Reserves Master Plan

Lake Joondalup Park Master Plan



Principles

To increase usability for active and passive uses.

Issues and Considerations

- The floodlighting is non-compliant
- The toilet facilities and change rooms are still the old City standard
- Rotary Park Regional Playground (Opportunity Playspace) was constructed in 2006 and is not due for renewal
- Parking is an issue and the reserve shares parking bays with Rotary Park
- The Park is made up of two lots, however only one lot has been developed
- There are environmental restrictions currently listed against the Park on the City's GIS system. A bush forever site is located on Lot 139 & Lot 50
- Aboriginal and cultural heritage restrictions exist on both lots (Site ID S02187)
- Yellagonga Integrated Catchment Management Program

Recommendations

- A** Undertake hydrozoning scheduled for 14/15 with best practice irrigation scheduling and turf nutrition based upon regular soil and tissue testing to minimise possible nutrient contamination of Lake Joondalup
- B** Upgrade ground lighting to 50 Lux on 4 towers
- C** Move cricket wicket to centre of park
- D** Given the large overflow parking area to the west of the existing car park, confirm the need for an additional 23 nose-in bays 69m along Scenic Drive to the north of the reserve
- E** Refurbish change rooms with possible replacement as demand triggers

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Lake Joondalup Park, Wanneroo - Central Zone

0 20 50m 1:2000@A4 December 2014 Rev3



City of Wanneroo Active Reserves Master Plan

Lake Joondalup Park Cost Report



Lake Joondalup Park, Wanneroo

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	LAKE JOONDALUP PARK	
	MAIN SUMMARY	
XB	Outbuildings and Covered Ways	287,500
XR	Roads, Paths and Paved Areas	53,550
XL	Landscaping and Improvements	109,500
XE	External Electric Light and Power	283,000
PR	Preliminaries	59,450
	Net Project Cost	793,000
	Planning Contingency (5%)	40,000
	Design Contingency (10%)	80,000
	Construction Contingency (5%)	40,000
	Professional Fees (10%)	92,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,045,000
	Escalation to Tender (12 months)	27,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,072,000

City of Wanneroo Active Reserves Master Plan

4.2.5 Peridot Park

Location

Peridot Park is classified a Local Park under the City's Local Planning Policy 4.3 Public Open Space and is located on the corner of Turquoise Loop & Peridot Turn, Banksia Grove. The site is described as Lot Number 12766 on Reserve No 45384, and has an overall land area of approximately 2.3 hectares classifying the park as a Local Park.

The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. It should be noted there is a 'shared use agreement' in place with the Department of Education (DoE) for this Park therefore any infrastructure that is to be located on Neerabup Primary school site should be negotiated with DoE.

In terms of future facility requirements for the Park, the population growth within Banksia Grove and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Consideration should be given to the current construction of the Banksia Grove District Open Space on Grandis Boulevard. This will be a shared use reserve with the Department of Education (DoE). This facility will have 2 AFL ovals and a soccer pitch and Carramar FC have expressed an interest in the facility to accommodate its expanding membership.

Existing Infrastructure

The Park has an open playing area with change room facilities constructed in 1997, a playground and a BMX Track. Existing facilities on the Park include:

Facility	Amenity	Size/Comment
Change Rooms	Male Change Rooms/Toilets	1 toilet, 1 urinal (no showers)
	Female Change Rooms/Toilets	2 toilets (no showers)
	Disabled Toilet	1
Active Reserve	Junior AFL Junior Cricket Cricket Nets Tennis Courts	1 x AFL 1 wicket Training (DoE) 2 (DoE)
Playground Facility	Combination Unit –Medium & Swings	Installed 1997 – Due for replacement 2015.
BMX / Skate	BMX	
Park Benches	No seating around Active Reserves – Only near playground in passive area	
Car Park	48 bays / 2 Disabled	N/A
Floodlighting	2 light poles	Non-Compliant
Water	Service to the Amenities Building	N/A
Power	Service to the Amenities Building	N/A
Signage	Block Signage	Not new

Usage and Limitations

Key points to consider;

- Neerabup Primary School has use of the active reserve during school hours only (35.75 hours per week all year round) as per Shared Use Agreement

City of Wanneroo Active Reserves Master Plan

- One club has weekly summer seasonal use: Neerabup Cricket Club – 4 hours (20 members). It should be noted that this club no longer use these facilities
- One club has weekly winter seasonal use: Neerabup Junior Football Club – 8.5 hours (60 members)
- Annual event – Spring in the Grove

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The change rooms were constructed in 1997 and Neerabup Junior Football Club have previously expressed an interest to construct a storage facility onsite;
- Two Floodlights were completed in 2005 and do not meet Australian Standard AS2560 for large ball sports training (50 lux);
- Playground was replaced as part of the City's playground renewal program in 1997 and is not due for renewal until 2015; and
- There are no drinking fountains onsite.

Future Impacts, Site limitations

Key points to consider:

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental restrictions currently listed against the Park on the City's GIS system. No bush forever sites are located on the reserve, although the park is situated within a Threatened & Priority Ecological Community;
- There are no Aboriginal and cultural heritage restrictions or sites currently listed against the Park on the City's GIS system; and
- The Park is made up of two lots, with the north-west side being on Department of Education land.

Outcomes of Consultation Workshop 1 held on 15 September 2014

- Carramar FC commented about the poor condition of the floodlighting.

Other consultation and feedback

Additional requests from online survey:

- Drink fountains;
- Quality of ground;
- Power boxes on reserve (Spring in the Grove Event); and
- A request for a path network has been received in the past from the car park to the Banksia Grove Community Centre. This would need to run along Peridot Turn and not on DoE land.

It is the City's view that this park is not used to its full potential due to security issues with car parking and visibility from the reserve to the car park restricted.

Outcomes of Consultation Workshop 2 held on 28 May 2015

- No additional comments were received at this workshop.

City of Wanneroo Active Reserves Master Plan

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Consider a path network around the perimeter of the Park;
- Bench seating around the park to be considered;
- Modify change rooms to provide passive surveillance and add storage;
- Accessible drinking fountain for users of the active playing field fitted externally to the change rooms;
- Floodlighting to be upgraded to 50lux and positioned to better suit the sports played on the reserve;
- Car park is considered to be of adequate size;
- Investigate hydrozoning;
- Provide external power box for events;
- Review vegetation and understorey to provide passive surveillance;
- Upgrade/Renew Playground; and
- Establish nodes, interpretative signage and seating along pathway.

City of Wanneroo Active Reserves Master Plan

Peridot Park Master Plan



Principles

To respond to increasing demand and bring existing facilities up to standard. Increase usability for junior mixed use.

Issues and Considerations

- Lighting not to standard
- Playground due for renewal in 2015
- No drinking fountain
- No storage facilities
- Catchment population expected to increase from 7,462 in 2014 to 13,456 in 2024
- Overflow from Banksia Grove DOS

Recommendations

- A** Upgrade lighting to 50 lux.
 - B** Upgrade/renew playground.
 - C** Establish drinking fountain next to change rooms.
 - D** Establish storage facilities (two of 6 x 3m²).
 - E** Investigate irrigation hydrozoning and inclusion of revegetated bushland to the south to increase future offsets areas.
 - F** Create dual use path from car park to community centre.
 - G** Add power box for community events.
 - H** Review northern vegetation for establishment of heath land understorey.
 - I** Establish nodes, interpretative signage and bench seating along pathways in bushland.
 - J** Improve security by modifying change rooms to provide passive surveillance of carpark, playground and oval.
 - K** Selectively thin understorey plants to provide passive surveillance of car park from ground
- Add bench seat for spectator viewing.

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Peridot Park, Banksia Grove - Central Zone

0 20 50m 1:1500@A4 December 2014 Rev9



City of Wanneroo Active Reserves Master Plan

Peridot Park Cost Report



Peridot Park, Banksia Grove (Rev 1)

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 1	
	Job No: 17441	
	PERIDOT PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	42,000
XB	Outbuildings and Covered Ways	64,200
XL	Landscaping and Improvements	183,400
XW	External Water Supply	1,000
XE	External Electric Light and Power	151,000
PR	Preliminaries	35,400
	Net Project Cost	477,000
	Planning Contingency (5%)	24,000
	Design Contingency (10%)	48,000
	Construction Contingency (5%)	24,000
	Professional Fees (10%)	55,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	628,000
	Escalation to Tender (12 months)	17,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	645,000
	GST	64,500
	ESTIMATED TOTAL COMMITMENT (Incl GST)	709,500

City of Wanneroo Active Reserves Master Plan

4.2.6 Scenic Park

Location

Scenic Park (the Park) is classified a Neighbourhood Active Park under the City's Local Planning Policy 4.3 Public Open Space, however if the full size of the two land parcels are considered, this park falls in the District Active category. The parcels of land also incorporate parts of Lake Joondalup.

Scenic Park (Reserve No: 35577) is located at (Lot 40) 245 Scenic Drive, Wanneroo. The adjoining land parcel to the south, 215 Scenic Drive (Lot 41) Reserve number 332047 is also known as Scenic Park. Both parcels of land have a purpose of Public Recreation although the southern section is undeveloped.

The reserves currently supports junior football and soccer training. There are no parking facilities, toilets or suitable lighting

The land parcels share a boundary with Lake Joondalup of which there are sections of Aboriginal Heritage locations (Site ID S02187) that need to be considered in any redevelopment.

This reserve forms part of the Yellagonga Integrated Catchment Management Program -. In terms of future facility requirements for the Park, the population growth within Wanneroo and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

The Park has an open playing area with a small playground between both active spaces. There is no infrastructure other than non-compliant floodlighting. Existing facilities on the Park include:

Facility	Amenity	Size/Comment
Toilets	N/A	N/A
Active Reserve	Junior AFL (South) Soccer Training (North)	1 x Junior AFL 1 Pitch
Playground Facility	Combination Unit –Medium & Swings	Installed 2011
Park Benches	2 bench seats further south of the reserve. 4 surrounding the central play area and 4 close to the Wanneroo Recreation Centre play area.	Note: no benches near the active reserve areas.
Car Park	N/A	
Floodlighting	2 poles each reserve that are non-compliant	
Water	No drink fountains	
Power	Service to irrigation and floodlighting	
Signage	Old wooden signage	

Usage and Limitations

Key points to consider;

- There is no shared use arrangement for this reserve;
- Two clubs have weekly summer seasonal use as follows:
 - Wanneroo Junior Football Club - 4 hours (39 players use this reserve)
 - Carramar Football Club (Soccer) - 9 hours (26 players use this reserve)
- There is no regular use during the summer season; and

City of Wanneroo Active Reserves Master Plan

- Dog walkers often use this facility.

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The floodlighting is non-compliant;
- There are no toilet facilities or change rooms;
- Playground was replaced as part of the City's playground renewal program in 2011 and is not due for renewal; and
- There are no drinking fountains onsite.

Future Impacts, Site limitations

Key points to consider;

- The Park is made up of two lots, however only one lot has been developed;
- Hydrozoning of the Park is scheduled for 2014/15;
- There are environmental restrictions currently listed against the Park on the City's GIS system. A bush forever site is located on Lot 40 & Lot 41;
- Aboriginal and cultural heritage restrictions exist on both lots (Site ID S02187); and
- Yellagonga Integrated Catchment Management Program.
-

Outcomes of Consultation Workshop 1 held on 15 September 2014

- Poor Floodlighting;
- Lack of change rooms; and
- Irrigation boxes in field of play.

Other consultation and feedback

- There has been no other consultation or feedback in relation to this park.

Outcomes of Consultation Workshop 2 held on 29 May 2015

Nil.

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Consider the provision for toilet facilities and change rooms;
- Provide an accessible drinking fountain for users of the active playing field;
- Floodlighting to be upgraded;
- Off street parking to be considered to allow for approximately 40 bays to service both fields;
- Relocate irrigation boxes are part of hydrozoning; and
- Concept is to consider the Yellagonga Integrated Catchment Management Program.

City of Wanneroo Active Reserves Master Plan

Scenic Park Master Plan



Principles

Upgrade multipurpose facilities to improve and continue organized AFL and Soccer and allow for night training and to continue passive recreational pursuits.

Issues and Considerations

- Ground floodlighting is non-compliant
- Off-road parking is not available
- There are no toilets or change rooms
- There is no seating near the active reserves
- There is no drinking fountain
- Ground condition is poor in some locations on occasions
- There are irrigation boxes on the ground which compromise player safety

Recommendations

- A** Floodlighting to be upgraded to 50 Lux on 2 towers on northern and southern parks
- B** Provide an accessible drinking fountain for users of both the active playing fields
- C** Design toilet facilities and change rooms to service both grounds
- D** Construct toilet facilities and change rooms (171.3m²) to service both grounds
- E** Design and construct off street parking for 40 bays to service both fields
- F** Upgrade irrigation systems at both parks to facilitate hydrozoning and remove irrigation boxes that are currently on the playing field
- G** Ensure excellent irrigation scheduling and turf nutrition based upon regular soil and tissue testing to minimise any possibility of nutrient contamination of groundwater or Lake Joondakup

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Scenic Park North and South, Wanneroo - Central Zone

1:3000 @ A4 December 2014 RevE



City of Wanneroo Active Reserves Master Plan

Scenic Park Cost Report



Scenic Park North and South, Wanneroo (Rev 2)

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 1	
	Job No: 17441	
	SCENIC PARK NORTH AND SOUTH	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	76,300
XB	Outbuildings and Covered Ways	556,400
XL	Landscaping and Improvements	120,000
XK	Stormwater Drainage	10,000
XD	External Sewer Drainage	31,000
XW	External Water Supply	16,600
XE	External Electric Light and Power	336,000
PR	Preliminaries	91,700
	Net Project Cost	1,238,000
	Planning Contingency (5%)	62,000
	Design Contingency (10%)	124,000
	Construction Contingency (5%)	62,000
	Professional Fees (10%)	143,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,629,000
	Escalation to Tender (12 months)	42,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,671,000
	GST	167,100

4.2.7 Wanneroo Showgrounds

Location

Wanneroo Showgrounds (Reserve No: 12990) is classified under the City's Local Planning Policy 4.3 Public Open Space, a District Active Park and is located at (Lot 501) 21K Ariti Avenue, Wanneroo. It should be noted that part of Lot 2 (21 Ariti Avenue) forms part of the Wanneroo Showgrounds that is inside the perimeter fence.

In 1924 the Reserve 12990 was vested in Charles Pearsall, George Tapping, William Tapping, George Leach and John Steel in trust for the purpose of an Agricultural Showgrounds by the Government of Western Australia. In 1948 the Trustees requested that the Wanneroo Road Board consider the offer that the trustee relinquish control of the ground and ask the Minister to re-vest the land in the Road Board, conditionally on the ground being available for the Annual Show. This arrangement was accepted and continues today. A study of Wanneroo Showgrounds in 2004 resulted in the Wanneroo Showgrounds Infrastructure Upgrade Plan Report and should be read alongside this document.

In terms of future facility requirements for the Park, the population growth within Tapping and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

This Park has an open playing field and several buildings surrounding the park. The Wanneroo Clubrooms are to the north of the ground and is on a lease arrangement with 4 clubs. Those clubs are the Wanneroo Amateur Football Club, Wanneroo Cricket Club, Wanneroo Junior Football Club and the Wanneroo Junior Cricket Club.

Scheduled into the 2014/15 Capital Works Budget is the new Wanneroo Skate Park. This is currently awaiting the outcome of a Lottery West Grant Application and subject to a positive result; the City will then proceed to Tender. There has been no formal decision made for the old park space or facilities.

Other infrastructure includes 3 standalone toilet blocks which were built in 1950, 1978 & 1979 and have had minimal or no upgrades. The disability access may not comply with current regulations.

The main arena suffers drainage issues, particularly in the winter months. This is not helped by the sporting clubs training directly in front of the clubrooms and at each of the goal mouths. This causes extensive wear on the playing field.

The Wanneroo Show occurs during one week in November and there are concerns each year to ensure that the facility is in good condition prior to the event. The City's Events team run a concert event just before the Wanneroo Show so that places added pressure on the ground at this time of the year. During Show week, the irrigation is switched off and the turf needs to be maintained to a good level as cricket is played on this reserve during the summer months and a match usually scheduled the week after the show.

The white wooden post and rail fencing around the main arena is listed on the City's Municipal Heritage Inventory. The bench seating surrounding the arena is also considered high in heritage and community value.

City of Wanneroo Active Reserves Master Plan

Existing Infrastructure

Facility	Amenity	Size/Comment
Storage Shed (used by the Wanneroo Agricultural Society).	Storage 178m ²	Storage built for WAS 1991.
Wanneroo Clubrooms (Leased)	Clubrooms, Bar facilities, Storage, Change rooms, toilets	700 m ² - Note that the change rooms and grandstand do not form part of the lease although it makes it difficult to hire the change rooms outside this current lease.
Toilets (North /east of Clubrooms)	Separate toilet facilities from Clubrooms	Built 1950
North bar	Open bar for use at Wanneroo Show.	No longer in use (const 1968)
South Bar	Open bar for use at Wanneroo Show.	Still used by Swap meets and Wanneroo Show (const 1978)
Toilets (near tennis courts)	Constructed in 1978	Refer to TRIM Asbestos report 12/138612
Wanneroo Agricultural Society Shed	Storage	391m ² - New construction 2012 - Leased to Wanneroo Agricultural Society
Ticket Booth / Gatehouse	Formal entry as part of the Wanneroo Showgrounds Infrastructure Upgrade Plan Report 2004	Constructed 2009
Margaret Cockman Pavilion	Large hall, metal roof, concrete floor, small meeting room, location of CCTV equipment for showgrounds	1979
Cricket Shed / Toilets		1979
Wanneroo Youth Centre	City of Wanneroo Youth Programs	1986
Proposed Skate Park	January 2015.	
Active Reserve	AFL Cricket	Heritage fencing around the main arena to be retained
Playground Facility x 2	1) Near Clubrooms Installed in 2011 2) Near tennis courts - due for renewal	Play ground near tennis courts has been deferred to coincide with construction of proposed skate park.
Benches	Surrounding the main oval are considered part of the showgrounds history and any replacement is to be like for like.	Some benches missing
Car Park (near clubrooms)	Bitumen	35 standard bays & 2 disabled bays
Car Park (limestone - south)	GIS records indicate that this car park is poor and is awaiting seal	Allows for 30 bays however the space is larger than the car park near the clubrooms
Floodlighting	Oval Lumina Type H	Lumina replaced in 2010/2011 - 4 poles
Park Lighting	Triple light	Construction date 2004
Lighting	Security lighting	Lining the road from the clubrooms to the gatehouse Sylvania Luminaire (Asymmetrical 30) PM2 Construction 2010
Water	Yes	
Power	Service to irrigation and floodlighting	Several power boxes on site that the Wanneroo Show and regular

City of Wanneroo Active Reserves Master Plan

		swap meets use
Signage	New block signage	
CCTV	Installed around the ground. Mainly near the east side and the clubrooms	

Usage and Limitations

Key points to consider;

The regular summer use for this reserve is as follows:

- Wanneroo Junior Cricket Club - 18.5 hours
- Wanneroo Senior Cricket Club - 9.5 hours

The regular winter use for this reserve is as follows:

- Wanneroo Junior Football Club - 23 hours
- Wanneroo Amateur Football Club - 12.5 hours

The regular annual use of this reserve is:

- RSL Swap meets in the eastern section - 6 hours
- Step into Life Personal Training - 9 hours

Regular events are conducted at this ground each year with the largest event being the Wanneroo Show. This consists of 8 days use every November.

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- There is one BBQ onsite and is in an isolated location near the tennis courts;
- The toilet block at location 9 also has a cricket storage unit with access to water inside;
- The trees are considered important by local residents and have heritage value;
- The playground to the south east corner near the proposed skate park site is due for renewal as part of the City's playground renewal program. This playground has been deferred until the outcome of the Lotterywest grant is known; and
- One drinking fountain is being installed near the clubrooms in 2014/15 Capital Works Program.

Future Impacts, Site limitations

Key points to consider;

- The Wanneroo Showgrounds is listed in the Municipal Heritage Inventory (Site 101) Category 2;
- High level of protection through the Town planning Scheme;
- provide maximum encouragement to the owner to conserve significance; and
- There are no bush forever locations on this site.

Outcomes of Consultation Workshop 1 held on 15 September 2014

- Increase car parking spaces;
- Provide an additional oval for training;

City of Wanneroo Active Reserves Master Plan

- Condition of oval cannot sustain club growth;
- Goal post height is too small (junior);
- Goal posts to have sleeve installation;
- Oval drainage;
- Maintain trees;
- Install power access to increase passive event usage;
- Restrict access to grounds to maintain condition;
- New toilet facilities (upgrade and provide better access);
- Improve car park lighting;
- Purpose of grounds should be maintained – events and general public access;
- Remove or upgrade brick bar facilities;
- Upgrade condition of tennis courts;
- Restrict parking around arena during sport matches; and
- Security lighting.

Other consultation and feedback

There has been a recent submission from a Soccer Club to use part of the south ground.

Outcomes of Consultation Workshop 2 held on 28 May 2015

- Senior goals and sleeves now installed;
- Upgrade cricket nets;
- Drainage is still an issue - Environmental Study will investigate; and
- Problem with users taking vehicles onto reserve – Operations Staff to follow up.

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Resurface and refurbish tennis courts;
- Upgrade and refurbish toilet facilities including solution to plumbing issues on south toilets;
- Seal limestone surface car park;
- Maintain all trees;
- Undertake an environmental investigation to determine the capability to remove trees to allow for development of training oval including but not limited to:
 - An Arboriculturist to assess trees at Wanneroo Showgrounds; and
 - An assessment of the Showgrounds and its listing on the Municipal Heritage Inventory.
- Improve car park /security lighting;
- Extend car park at northern end to prevent parking around the main arena;
- Use of goal sleeves to allow rotation of AFL goals;
- Connect play area in south west corner to proposed skate park (youth precinct); and
- Investigate and relocate water supply currently inside the south toilets/cricket shed so that there is access for events.

City of Wanneroo Active Reserves Master Plan

Wanneroo Showgrounds Master Plan



Principles

District Active Park - Multi-use active and passive recreation. Upgrade facilities to improve use as senior and junior football and cricket.

Issues and Considerations

- Toilets do not comply with standards
- Playing surface can become degraded in specific locations such as goal mouth approaches through excessive wear
- There are drainage issues in winter, and sub-surface drainage is needed
- Ground flood lighting is good
- Security lighting is good in most places
- CCTV has been installed throughout the reserve
- There is only a single BBQ in an isolated location near the tennis courts
- The playground in the south east corner needs replacement
- There is a drinking fountain in place

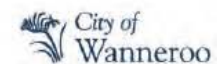
Recommendations

- A** Resurface and refurbish the tennis courts
- B** Upgrade and refurbish the three toilet facilities
- C** Seal and mark the limestone car park (2,500m²)
- D** Maintain all trees
- E** Investigate the possibility of an alternate training space recognising tree and heritage preservation issues
- F** Improve car park and security lighting
- G** Extend north car park by an additional 30 bays
- H** Install AFL goal sleeves to allow alternative placement of goals and relieve wear
- I** Install skate park as funds become available
- J** Renew playground as funds become available
- K** Connect play ground to skate park with paving and rubber matting
- L** Establish outside drinking water supply/drinking fountain near south toilet block

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Wanneroo Showgrounds, Wanneroo - Central Zone

0 20 50m 1:3000@A4 December 2014 Rev5



City of Wanneroo Active Reserves Master Plan

Wanneroo Showgrounds Cost Report



Wanneroo Showgrounds, Wanneroo (Rev 2)

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 2	
	Job No: 17441	
	WANNEROO SHOWGROUNDS	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	285,100
XB	Outbuildings and Covered Ways	172,000
XL	Landscaping and Improvements	421,000
XW	External Water Supply	1,000
XE	External Electric Light and Power	70,000
PR	Preliminaries	75,900
	Net Project Cost	1,025,000
	Planning Contingency (5%)	52,000
	Design Contingency (10%)	103,000
	Construction Contingency (5%)	52,000
	Professional Fees (10%)	118,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,350,000
	Escalation to Tender (12 months)	35,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,385,000
	GST	138,500
	ESTIMATED TOTAL COMMITMENT (Incl GST)	1,523,500

City of Wanneroo Active Reserves Master Plan

4.3 FORMER COASTAL WARD

4.3.1 Abbeville Park

Location

Under the City's Local Planning Policy 4.3 Public Open Space Policy (LPP 4.3), Abbeville Park is classified a Neighbourhood Park and is located at 17 Abbeville Circle, Mindarie. The site is described as Lot Number 12424 on Reserve No 43899 and has an overall land area of approximately 4.4 hectares.

The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. It should be noted there is a 'shared use agreement' in place with the Department of Education (DoE) for this Park therefore any infrastructure that is to be located on Mindarie Primary school site should be negotiated with DoE.

In terms of future facility requirements for the Park, the population growth within Mindarie and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

The Park has an open playing area with change room facilities, a playground, cricket nets and half-court basketball.

Existing facilities on the Park include:

Facility	Amenity	Size/Comment
Change Rooms	Male Change Rooms/Toilets	1 toilet, 1 urinal (no showers)
	Female Change Rooms/Toilets	2 toilets (no showers)
	Disabled Toilet	1
Active Reserve	Junior Soccer	1 pitch and 1 training goal
	Cricket	1 wicket and 2 practice nets
	Athletics	Jump pit
	Baseball	Back net
Floodlighting	2 poles	Old standard
Car Park	39 Bays and 1 Accessible	N/A
Playground Facility	Combination Unit, Double Swing Unit, 2 x Spring Rides and Spinalot	Installed 2012 and due for replacement 2027
Park Shelter	Table and benches	2
Park Benches	Wood/concrete	1
	Wood/metal	3
Basketball		Half court
Water	Service to the Amenities Building: Bore and irrigation	N/A
Power	Service to the Amenities Building	N/A
Signage	Block Signage	City standard
Rubbish Bin		3

City of Wanneroo Active Reserves Master Plan

Usage and Limitations

Key points to consider;

Mindarie Primary School has use of the active reserve during school hours only (31.25 hours per week all year round) as per the Shared Use Agreement.

Two clubs have weekly summer seasonal use as follows:

- Quinns Rocks Cricket Club – 9 hours (200 members)
- Mindarie Little Athletics Club – 3 hours (100 members)

Two clubs and a personal trainer have weekly winter seasonal use as follows:

- Quinns FC – 9 hours (800 members)
- North Coast Rangers Christian Soccer Club – 1 hour (110 members)
- 24FitClub4Free – 4.5 hours (10 attendees) – potentially moving to Ridgewood

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The change rooms were constructed in 1997 and the Mindarie Little Athletics Club have previously expressed an interest to construct a storage facility attached to the toilet block;
- Two Floodlights were completed in 1995 and do not meet Australian Standard AS2560 for large ball sports training (50 lux);
- Playground was replaced as part of the City's playground renewal program in 2012 and is not due for renewal until 2027; and
- There are no drinking fountains onsite.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental, Aboriginal or cultural heritage restrictions currently listed against the Park on the City's GIS system; and
- No bush forever sites located on the reserve.

Outcomes of Consultation Workshop 1 held on 22 September 2014

- Mindarie Little Athletics Club – 8m x 4m storage unit attached to the toilet block
- Mindarie Primary School parent – Additional parking

Other consultation and feedback

- Additional requests from online survey:
- Turf improvements including proper drainage – active and passive areas
- Clubrooms
- Upgrade Floodlights
- Spectator seating
- Shade sails
- Ranger presence in evenings/night to monitor dog walkers picking up rubbish
- Potential permanent goal posts and fitness activity stations (Mindarie P.S.)
- Free use for fitness professionals or PAYG honesty payment

City of Wanneroo Active Reserves Master Plan

Outcomes of Consultation Workshop 2 held on 22 April 2015

- No additional comments were received at this meeting.

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Investigate the cause for poor turf quality in locations on occasions including irrigation distribution uniformity and possible water logging;
- Design and install sub-surface drainage and upstream groundwater interception structures if and as required;
- Upgrade irrigation system to facilitate hydrozones to improve water-use efficiency and turf quality;
- Provide storage rooms (2 x 16m² and 1 x 30m²) attached to the existing building;
- Upgrade Floodlighting to Australian Standard 2560 of 50 lux on 4 towers; and
- Provide 3 x additional benches.

City of Wanneroo Active Reserves Master Plan

Abbeville Park Master Plan

○



Principles

Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for Soccer, Athletics and Cricket with the ability to meet changing needs in the future.

Issues and Considerations

- The sports playing surface is of poor quality in certain places on occasions and hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program
- Ground lighting is not to standard
- There are no storage facilities for the various sporting clubs

Recommendations

- A** Investigate the cause for poor turf quality in locations on occasions including irrigation distribution uniformity and possible water logging
- B** Design and install sub-surface drainage and upstream groundwater interception structures if and as required
- C** Upgrade irrigation system to facilitate hydrozones to improve water-use efficiency and turf quality
- D** Provide storage rooms (2 x 16m² and 1 x 30m²) attached to the existing building
- E** Upgrade Floodlighting to Australian Standard 2560 of 50 lux on 4 towers
- F** Provide 3 x additional benches

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Abbeville Park, Mindarie - Coastal Zone

City of Wanneroo Active Reserves Master Plan

Abbeville Park Cost Report



Abbeville Park, Mindarie (Rev 1)

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	ABBEVILLE PARK	
	MAIN SUMMARY	
XB	Outbuildings and Covered Ways	74,400
XL	Landscaping and Improvements	190,400
XE	External Electric Light and Power	280,000
PR	Preliminaries	43,200
	Net Project Cost	588,000
	Planning Contingency (5%)	30,000
	Design Contingency (10%)	59,000
	Construction Contingency (5%)	30,000
	Professional Fees (10%)	68,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	775,000
	Escalation to Tender (12 months)	20,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	795,000
	GST	79,500
	ESTIMATED TOTAL COMMITMENT (Incl GST)	874,500

City of Wanneroo Active Reserves Master Plan

4.3.2 Addison Park

Location

Under the City's Local Planning Policy 4.3 Public Open Space Policy (LPP 4.3), Addison Park is classified a Neighbourhood Park and is located at 67 Baltimore Parade, Merriwa. The site consists of two Lots (Numbers 12265 and 11346) on Reserve Number 41483 with a total land area of approximately 6.7ha.

The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. It should be noted there is a 'shared use agreement' in place with the Department of Education (DoE) for this Park therefore any infrastructure that is to be located on Merriwa Primary school site should be negotiated with DoE.

In terms of future facility requirements for the Park, the population growth within Merriwa and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

The Park has an open playing area with clubroom facilities a playground, half-court basketball, long jump pit, cricket practice nets and fitness equipment.

Facility	Amenity	Size/Comment
Clubrooms	Hall, Kitchen/Kiosk, Store	
	Male Change Rooms/Toilets	1 toilet, 1 urinal (no showers)
	Female Change Rooms/ Toilets	2 toilets (no showers)
	Disabled Toilet	1
Active Reserve	Junior AFL	1
	Junior Cricket	1 wicket and 2 nets
	Athletics	Jump pit, back-net
Floodlighting	2 light poles	Old Standard
Car Park	45 bays / 2 Disabled	N/A
Playground	Combination Unit, Senior swings and Space-net	Replaced in 2012
Park Benches		6
Fitness Equipment	10 stations	Installed in 1995
Water	Service to the Amenities Building: Bore and irrigation	N/A
Power	Service to the Amenities Building	N/A

Usage and Limitations

Key points to consider;

Merriwa Primary School has use of the active reserve during school hours only (38 hours per week all year round) as per Shared Use Agreement.

One club has weekly summer seasonal use as follows:

- Quinns Rocks Cricket Club – 25 hours (200 junior and 35 senior members)

Two clubs have weekly winter seasonal use as follows:

- Quinns Districts Junior Football Club – 16 hours (750 members)
- Brighton Seahawks Junior Football Club – 3.5 hours (280 members)

City of Wanneroo Active Reserves Master Plan

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The change rooms were constructed in 1995;
- Two Floodlights were completed in 2003 and do not meet Australian Standard AS2560 for large ball sports training (50 lux); and
- There are no drinking fountains onsite.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental, Aboriginal or cultural heritage restrictions currently listed against the Park on the City's GIS system;
- No bush forever sites located on the reserve; and
- There are two drainage swales located within the park: Lots 11338 and 12255.

Outcomes of Consultation Workshop 1 held on 22 September 2014

- Building refurbishment
- Upgrade Floodlights
- Oval extensions
- Playground moved closer
- Storage area
- Increase lux to car park

Other consultation and feedback

Additional requests from online survey:

- Turf upgrades
- Toilets
- BBQs
- Cricket Clubrooms
- Shelter
- Seating

Outcomes of Consultation Workshop 2 held on 22 April 2015

- Turf upgrades

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Provide 1 x BBQ;
- Establish drinking fountain near existing clubroom/toilets; and
- Undertake irrigation upgrade and Hydrozoning to improve water-use efficiency and turf quality

Proceed with items listed in the listed in the City's Capital Works Budget:

- Design and construct floodlighting to meet Australian Standard AS2560 for large ball sports training (50 lux) on 4 towers as listed in the current capital works budget;
- Design oval extension to accommodate senior AFL between 135m – 185m in length, and between 110m - 155m in width;
- Provide cost estimate for storage (3 x 16m²) attached to the existing building; and
- Provide a cost estimate for 2 x change rooms attached to the existing building - Dry area (25m²) and Wet area (4 x showers and 3 x toilets).

City of Wanneroo Active Reserves Master Plan

Addison Park Master Plan



Principles

Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for AFL and cricket.

Issues and Considerations

- Two Floodlights were completed in 2003 and do not meet Australian Standard AS2560 for large ball sports training (50 lux)
- There are no drinking fountains onsite
- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program

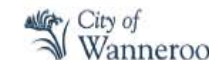
Recommendations

- A** Provide 1 x BBQ
- B** Establish drinking fountain near existing club rooms/toilets
- C** Undertake irrigation upgrade and hydrozoning to improve water-use efficiency and turf quality
- D** Design and construct floodlighting to meet Australian Standard AS2560 for large ball sports training (50 lux) on 4 towers as listed in the current capital works budget
- E** Design oval extension to accommodate senior AFL being between 135m - 185m in length, and between 110m - 155m in width as listed in the current capital works budget
- F** Provide cost estimate for storage (3 x 16m²) attached to the existing building as listed in the current capital works budget
- G** Provide a cost estimate for 2 x changerooms attached to the existing building - Dry area (25m²) and Wet area (4 x showers and 3 x toilets) as listed in the current capital works budget

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Addison Park, Merriwa - Coastal Zone

0 20 50m 1:2000@A4 December 2014 Rev4



City of Wanneroo Active Reserves Master Plan

Addison Park Cost Report

○



Addison Park, Merriwa

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	ADDISON PARK	
	MAIN SUMMARY	
XB	Outbuildings and Covered Ways	383,600
XL	Landscaping and Improvements	474,250
XK	Stormwater Drainage	10,000
XD	External Sewer Drainage	27,350
XW	External Water Supply	17,150
XE	External Electric Light and Power	280,000
PR	Preliminaries	95,650
	Net Project Cost	1,288,000
	Planning Contingency (5%)	65,000
	Design Contingency (10%)	129,000
	Construction Contingency (5%)	65,000
	Professional Fees (10%)	149,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,696,000
	Escalation to Tender (12 months)	44,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,740,000
	GST	174,000

City of Wanneroo Active Reserves Master Plan

4.3.3 Anthony Waring Park

Location

Under the City's Local Planning Policy 4.3 Public Open Space Policy (LPP 4.3), Anthony Waring Park is classified a Neighbourhood Park and is located at 40 Waring Green, Clarkson. The site is described as Lot Number 332 on Reserve No 42042 and has an overall land area of approximately 7.5 hectares.

The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. It should be noted there is a 'shared use agreement' in place with the Department of Education (DoE) for this Park therefore any infrastructure that is to be located on Neerabup Primary school site should be negotiated with DoE.

In terms of future facility requirements for the Park, the population growth within Clarkson and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

The Park has an open playing area with sports amenities building and toilets a playground, half-court basketball, cricket nets, back net and a BMX Track.

Facility	Amenity	Size/Comment
Change Rooms	Function Room	14m x 10m
	Kitchen/Kiosk	
	Internal toilets	2 toilets
	Storage Rooms	4
	2 x Change Rooms/Toilets	2 toilets
Toilets	Female	3 toilets
	Male	1 toilet, 1 urinal
Active Reserve	Junior AFL	1 x AFL
	Cricket	1 wicket and 3 nets
	Soccer	Training only
Floodlighting	4 light poles	Australian Standard 2560, Large Ball Sports - Training
Playground 1	Combination Unit – Medium, swings and rocker	Installed 2004 – Due for replacement 2019.
Playground 2	Spider Net	Installed 2013
Seat/Table	Passive area Oval Playground	3 x wooden 1 x metal 2 x metal
Car Park	103 bays / 2 Disabled	N/A
BMX track	BMX	
Water	Service to the Amenities Building: Bore and Irrigation	Irrigation proposed for 2014/15
Power	Service to the Amenities Building	N/A
Signage	Block Signage	Old Format Style

City of Wanneroo Active Reserves Master Plan

Usage and Limitations

Key points to consider;

One club has weekly summer seasonal use as follows:

- Quinns Rocks Cricket Club – 20 hours (200 junior and 35 senior members)

Two clubs have weekly winter seasonal use as follows:

- Quinns Districts Junior Football Club – 34.5 hours (750 members)
- Quinns FC – 4.5 hours (800 members)

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The toilets were constructed in 1995 and sports amenities building in 2000;
- Four Floodlights were completed in 2012 to Australian Standard AS2560 for large ball sports training (50 lux); and
- The Spider Net playground was installed in 2013.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has been partially undertaken;
- There are no environmental, Aboriginal or cultural heritage restrictions currently listed against the Park on the City's GIS system;
- No bush forever sites located on the reserve; and
- There are two drainage swales located within the park: Lots 11338 and 12255.

Outcomes of Consultation Workshop 1 held on 22 September 2014

- Increase security of clubrooms;
- Inadequate storage;
- Better turf conditions – pot holes in playing surface and gaps in pitch cover;
- Clear trees for second oval;
- More parking;
- Upgrade lighting;
- Veranda in front of clubrooms; and
- Terrace seating and shade.

Other consultation and feedback

- Additional requests from online survey;
- Improved clubrooms, canteen and storage facilities;
- Concrete storm water drains – assist turf quality;
- Water fountain;
- Better fencing around grounds for dogs;
- Works to previous playground;
- BBQs; and
- Bins.

City of Wanneroo Active Reserves Master Plan

Outcomes of Consultation Workshop 2 held on 22 April 2015

- Confirm car park location is only indicative, suggest move to Waring Green side
- Check floodlighting levels

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Provide additional storage (2 x 16m²) attached to the existing change rooms;
- Establish a drinking water fountain next to the change rooms;
- Establish security lighting at club rooms;
- Provide 1 x BBQ;
- Provide 2 x additional bins;
- Establish chain gate for new overflow car parking area;
- Irrigation upgrade to facilitate hydro-zones and greater water-use efficiency; and
- Provide 4 x additional benches.

Anthony Waring Park Master Plan



Principles

To increase usability for active and passive uses

Issues and Considerations

- Problems with security of clubrooms
- Inadequate storage facilities
- Turf condition is poor in places at certain times
- Inadequate parking at peak times, as bollards and dual-use path prevents overflow parking

Recommendations

- A** Provide additional storage of 2 x 16m² attached to existing change rooms
- B** Establish a drinking water fountain next to the change rooms
- C** Establish security lighting at club rooms
- D** Construct an additional BBQ area
- E** Two additional rubbish bins
- F** Establish chain gate for new overflow car parking area
- G** Irrigation upgrade to facilitate hydrozones and greater water-use efficiency
- H** Bench seating (4)

City of Wanneroo Active Reserves Master Plan

Anthony Waring Park Cost Report



Anthony Waring Park, Clarkson (Rev 1)

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	ANTHONY WARING PARK	
	MAIN SUMMARY	
XN	Boundary Walls, Fencing and Gates	4,500
XB	Outbuildings and Covered Ways	44,400
XL	Landscaping and Improvements	126,200
XW	External Water Supply	1,000
XE	External Electric Light and Power	10,000
PR	Preliminaries	14,900
	Net Project Cost	201,000
	Planning Contingency (5%)	11,000
	Design Contingency (10%)	21,000
	Construction Contingency (5%)	11,000
	Professional Fees (10%)	24,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	268,000
	Escalation to Tender (12 months)	7,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	275,000
	GST	27,500
	ESTIMATED TOTAL COMMITMENT (Incl GST)	302,500

City of Wanneroo Active Reserves Master Plan

4.3.4 Belhaven Park

Location

Under the City's Local Planning Policy 4.3 Public Open Space Policy (LPP 4.3), Belhaven Park is classified a Neighbourhood Park and is located at 2 Belhaven Terrace, Quinns Rocks. The site is described as Lot Number 774 on Reserve No 47792.

The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. It should be noted there is a 'shared use agreement' in place with the Department of Education (DoE) for this Park therefore any infrastructure that is to be located on Quinns Beach Primary School site should be negotiated with DoE.

In terms of future facility requirements for the Park, the population growth within Quinns Rocks and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

The park has minimal existing facilities consisting of:

Facility	Amenity	Size/Comment
Active Reserve	Junior AFL Athletics	1 x AFL and 1 Training 1 Pitch and 2 x Wicket
Park Benches	Bench	3 x metal
Water	Bore	N/A

Usage and Limitations

Key points to consider;

Two clubs and one private operator have weekly summer seasonal use as follows:

- Quinns Rocks Cricket Club – 35.5 hours (200 members)
- Quinns Rocks Little Athletics Club – 3 hours (80 members)
- Nick Corrigan's Soccer School – 2 hours (10 attendees)

Two clubs have weekly winter seasonal use as follows:

- Brighton Seahawks Junior Football Club – 22 hours (280 members)
- Quinns Districts Junior Football Club – 4 hours (750 members)

Infrastructure Condition

- N/A

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental, Aboriginal or cultural heritage restrictions currently listed against the Park on the City's GIS system; and
- No bush forever sites located on the reserve.

Outcomes of Consultation Workshop 1 held on 22 September 2014

- Sports Lighting;
- Toilets/Change Rooms/Storage;

City of Wanneroo Active Reserves Master Plan

- Shelter;
- Water fountain;
- Upgrades to existing long jump pit (DoE); and
- Triple jump practice area.
-

Other consultation and feedback

- There were no additional requests from online survey that were not covered in the above.

Outcomes of Consultation Workshop 2 held on 22 April 2015

- Allow access to School's toilets (joint use with Department of Education).

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Provide change rooms (2 x 38m²), toilets (relevant Australian Standards and BCA requirements) and storage rooms (2 x 16m² and 1 x 30m²) totalling 138m² ;
- Provide water fountain external to change rooms;
- Install floodlighting to Australian Standard 2560 being 50 lux on four towers; and
- Upgrade irrigation system to provide for hydrozones to improve water-use efficiency and turf quality.

City of Wanneroo Active Reserves Master Plan

Belhaven Park Master Plan



Principles

Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for AFL, Athletics and Cricket with the ability to meet changing needs in the future.

Issues and Considerations

- The park currently has no existing facilities
- Turf quality is poor at specific locations on occasions because of low distribution uniformity (DU)

Recommendations

- A** Provide change rooms (2 x 38m²), toilets (relevant Australian Standards and BCA requirements) and storage rooms (2 x 16m² and 1 x 30m²) totalling 138m²
- B** Provide water fountain external to change rooms
- C** Install floodlighting to Australian Standard 2560 being 50 lux on 4 towers
- D** Upgrade irrigation system to provide for hydrozones to improve water-use efficiency and turf quality

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Belhaven Park, Quinns Rocks - Coastal Zone



City of Wanneroo Active Reserves Master Plan

Belhaven Park Cost Report



Belhaven Park, Quinns Rocks

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	BELHAVEN PARK	
	MAIN SUMMARY	
	XB Outbuildings and Covered Ways	447,600
	XL Landscaping and Improvements	100,000
	XK Stormwater Drainage	10,000
	XD External Sewer Drainage	22,000
	XW External Water Supply	15,800
	XE External Electric Light and Power	320,000
	PR Preliminaries	73,600
	Net Project Cost	989,000
	Planning Contingency (5%)	50,000
	Design Contingency (10%)	99,000
	Construction Contingency (5%)	50,000
	Professional Fees (10%)	114,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,302,000
	Escalation to Tender (12 months)	34,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,336,000
	GST	133,600

City of Wanneroo Active Reserves Master Plan

4.3.5 Dalvik Park

Location

Under the City's Local Planning Policy 4.3 Public Open Space Policy (LPP 4.3), Dalvik Park is classified a **Neighbourhood Park** and is located at 20 Dalvik Avenue, Merriwa. The site is described as Lot Number 1019 on Reserve No 48091, and has an overall land area of approximately 5.7 hectares classifying the park as a Neighbourhood Park.

The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. In terms of future facility requirements for the Park, the population growth within Merriwa and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

The Park has an open passive area, a playground, cricket net, half-court basketball and hit up wall. It is currently only used by the school.

Facility	Amenity	Size/Comment
Passive Reserve	½ court basketball Hit up wall Cricket net Goals Path network	1 2 x Soccer Around park perimeter
Playground Facility	Combination Unit – Medium, Swings and two rockers	Installed 2007 – Due for replacement 2022
BBQ Area	BBQ Shelters Park Benches Drinking fountain	2 x table and benches 2
Water	Bore	N/A
Signage	Block Signage	

Usage and Limitations

The park only caters to school use: Alkimos Baptist College – 37.5 hours

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken. The playground was installed in 2007 and is not due for renewal until 2022.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental, Aboriginal or cultural heritage restrictions currently listed against the Park on the City's GIS system;
- No bush forever sites located on the reserve; and
- There is a drainage site in the north east corner of the park on Lot 2350.

City of Wanneroo Active Reserves Master Plan

Outcomes of Consultation Workshop 1 held on 22 September 2014

- Quinns Districts Junior Football Club request the park is made available for sport bookings.

Other consultation and feedback

Additional requests from online survey:

- Toilets/change rooms;
- Lighting in BBQ area; and
- Seating.

A previous community request has been received to include lighting around the path network.

Outcomes of Consultation Workshop 2 held on 22 April 2015

Nil.

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park (subject to consultation with local residents) is as follows:

- Provide change rooms (2 x 38m²), toilets (relevant Australian Standards and BCA requirements) and storage rooms (2 x 16m² and 1 x 30m²);
- Provide associated parking near change rooms (40 bays);
- Install floodlighting to Australian Standard 2560 of 50 lux on 4 towers;
- Provide 3 additional benches; and
- Upgrade irrigation to facilitate hydrozones and improve water-use efficiency and turf quality.

City of Wanneroo Active Reserves Master Plan

Dalvik Park Master Plan



Principles

The park will continue to be multipurpose supporting both organised sport and passive recreational purposes focussing on meeting current demand with the ability to meet changing needs in the future.

Issues and Considerations

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program
- Request the park be made available for sport bookings including toilets/change rooms, lighting in BBQ area and seating

Recommendations

- A** Provide change rooms (2 x 38m²), toilets (relevant Australian Standards and BCA requirements) and storage rooms (2 x 16m² and 1 x 30m²) totalling 138m²
- B** Provide associated parking near change rooms (40 bays)
- C** Install floodlighting to Australian Standard 2560 of 50 lux on 4 towers
- D** Provide 3 additional benches
- E** Upgrade irrigation to facilitate hydrozones and improve water-use efficiency and turf quality

City of Wanneroo Active Reserves Master Plan

Dalvik Park Cost Report



Dalvik Park, Merriwa

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	DALVIK PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	116,900
XB	Outbuildings and Covered Ways	441,600
XL	Landscaping and Improvements	65,400
XK	Stormwater Drainage	10,000
XD	External Sewer Drainage	27,350
XW	External Water Supply	16,150
XE	External Electric Light and Power	300,000
PR	Preliminaries	78,600
	Net Project Cost	1,056,000
	Planning Contingency (5%)	53,000
	Design Contingency (10%)	106,000
	Construction Contingency (5%)	53,000
	Professional Fees (10%)	122,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,390,000
	Escalation to Tender (12 months)	36,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,426,000
	GST	142,600

City of Wanneroo Active Reserves Master Plan

4.3.6 Gumblossom Park

Location

Under the City's Local Planning Policy 4.3 Public Open Space Policy (LPP 4.3), Gumblossom is classified a District Park and is located at 17 Tapping Way, Quinns Rocks. The park covers two sites: Lot Numbers 500 and 501 on Reserve Number 28376 and has an overall land area of approximately 13.5 hectares.

The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. It should be noted there is a 'shared use agreement' in place with the Department of Education (DoE) therefore any infrastructure that is to be located on Quinns Rocks Primary school site should be negotiated with DoE.

In terms of future facility requirements for the Park, the population growth within Quinns Rocks and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

Northern Site

- Community Centre
- Car park – 104/3
- Playground
- BBQ
- Hit up Wall
- Tennis Courts x 4 (2009)
- Shelter/Shed
- Netball Courts, lighting and shelter
- Quinns Rocks Sports Club
- Conservation area

Southern Site

- Playing area
 - Soccer - 4 x pitch and 1 x training
 - Baseball pitch and back nets
- Lighting
- Cricket nets x 2
- Jump :Pit

The Park has an open playing area with change room facilities constructed in 2008, a playground and cricket practice wickets.

Facility	Amenity	Size/Comment
Sports Amenity Building	Change rooms	6 x 2 showers and 1 toilet
	Disabled Toilet	1
	First Aid and Umpires	Including Shower and toilet
	Storerooms	4
	Kitchen	
	Male Toilets	2 + 1 urinal
	Female Toilets	2
Active Reserve	Baseball Soccer Cricket Athletics	1 pitch and back nets 3 + 1 training 3 x nets Jump pit
Playground Facility	Combination Unit – Medium & Swings	Installed 2011 – Due for replacement 2018
Park Benches		9
Car Park	41 bays / 1 Disabled	N/A
Floodlighting	10 poles: 6 (western reserve) + 4	Australian Standard 2560,

City of Wanneroo Active Reserves Master Plan

	(eastern reserve)	Large Ball Sports – Training
Water	Service to the Amenities Building: Bore and irrigation	N/A
Power	Service to the Amenities Building	N/A
Signage	Block signage	New Format

Usage and Limitations

Key points to consider;

Quinns Rocks Primary School has use of the active reserve during school hours only (37.5 hours per week all year round) as per Shared Use Agreement.

One club has weekly summer seasonal use as follows:

- North Coast Ball Club – 35 hours (430 members)

One club has weekly winter seasonal use as follows:

- Quinns FC – 42.5 hours (800 members)

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The change rooms were constructed in 2008.
- Floodlighting was replaced in 2012 to Australian Standard AS2560 for large ball sports training (50 lux);
- Playground was installed in 2001 and is not due for renewal until 2018; and
- Drink fountains and water tap for clay mound are to be installed in 2014/15.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has been partially undertaken;
- There are no environmental, Aboriginal or cultural heritage restrictions currently listed against the Park on the City's GIS system; and
- No bush forever sites located on the reserve.

Outcomes of Consultation Workshop 1 held on 22 September 2014

- Upgrade toilets to include showers;
- CCTV;
- Fencing along Tapping Way;
- Stop cars speeding and parking on footpaths/verges;
- Stop cutting down trees;
- Bring back cricket pitch;
- Tennis Courts made dual use with netball; and
- More tennis courts and upgrade shelter.

City of Wanneroo Active Reserves Master Plan

Other consultation and feedback

Additional requests from online survey

- *Clubrooms
- *Upgrade floodlights to 100 lux
- *Turf improvements
- *Spectator stadium
- *Additional parking
- Soccer fields
- BBQs
- Shelter and seating
- AFL goals
- Water fountains
- More toilets
- Basketball hoops
- More dog waste bins / Increase dog waste fines / Dogs on leads
- Gate entry ways to paths to stop motorbikes going on reserves
- Play equipment near playing field
- Fitness equipment

*Quinns FC plan to enter the National Premier League in the next 5 years and have developed a Facilities Development Plan which outlines the associated infrastructure upgrades required. None of these items are currently listed in the City's Capital Works Budget and are above the current standard level of provision by the City.

Outcomes of Consultation Workshop 2 held on 22 April 2015

Review the scope to include recommendations for tennis and netball courts:

- Adjustable netball posts (since completed);
- Path network to building;
- Higher fencing; and
- Upgrades to tennis shelter.

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- City is to develop a Parking Strategy Management Plan with input from the clubs;
- Provide a playground (medium combination unit) adjacent to the clubrooms;
- Provide CCTV;
- Upgrade irrigation system to provide for hydrozones to improve water-use efficiency and turf quality;
- Investigate the provision of synthetics surfaces on the pitches and training area;
- Permanent fencing surrounding the eastern pitch (note this is different to the concept plan drawing), pedestrian gate and vehicle gate;
- 100m² multi-purpose room extension to the club room;
- Lighting upgraded to 100 lux on 4 towers;
- Spectator seating, small grandstand, overlooking the playing pitch with capacity for 200 persons;
- Extension to car parking for an additional 100 cars;
- *Upgrades to existing tennis shelter; and
- *Higher fencing around netball courts.

** Not included in Cost Report*

City of Wanneroo Active Reserves Master Plan

Gumblossom Park Master Plan



Principles

District Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for Soccer and Baseball with the ability to meet changing needs in the future.

Issues and Considerations

- The Western section of Lot 500 has been reclassified to 'Conservation' in the City's District Planning Scheme and is currently awaiting sign off by the WAPC
- Hydrozoning of the Park has been partially undertaken
- Turf quality is poor at specific locations on occasions because of high usage particularly on the soccer training area and in front of the soccer goal mouths on all four pitches
- Quinns FC plan to enter the National Premier League in the next 5 years and have a Facilities Development Plan which outlines the associated infrastructure upgrades required however, none of these items are currently listed in the City's Capital Works Budget and are above the current standard level of provision by the City

Recommendations

- A** City is to develop a Parking Strategy Management Plan with input from the clubs
- B** Provide a playground (medium combination unit) adjacent to the clubrooms
- C** Provide CCTV
- D** Upgrade irrigation system to provide for hydrozones to improve water-use efficiency and turf quality
- E** Investigate the provision of synthetic surfaces on the pitches and training area to support the very high usage and wear patterns associated with the Quinns FC proposed move to the National Premier League
- F** Permanent fencing (Approximately 305m with 75m already in place), pedestrian gate and vehicle gate
- G** 100m² multi-purpose room extension to the clubroom
- H** Lighting upgraded to 100 lux on 4 towers
- I** Spectator seating, small grandstand, overlooking the playing pitch with capacity for 200 persons
- J** Extension to car parking for an additional 100 cars
- K** Upgrades to the existing Tennis shelter
- L** Higher fencing around netball courts

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Gumblossom Park, Quinns Rocks - Coastal Zone



City of Wanneroo Active Reserves Master Plan

Gumblossom Park Cost Report

(Note: Does not include costs for tennis and netball court upgrades)



Gumblossom Park, Quinns Rocks (Rev 1)

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	GUMBLOSSOM PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	216,250
XN	Boundary Walls, Fencing and Gates	61,000
XB	Outbuildings and Covered Ways	550,000
XL	Landscaping and Improvements	209,000
XE	External Electric Light and Power	460,000
PR	Preliminaries	124,750
	Net Project Cost	1,621,000
	Planning Contingency (5%)	82,000
	Design Contingency (10%)	163,000
	Construction Contingency (5%)	82,000
	Professional Fees (10%)	187,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	2,135,000
	Escalation to Tender (12 months)	57,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	2,192,000
	GST	219,200
	ESTIMATED TOTAL COMMITMENT (Incl GST)	2,411,200

City of Wanneroo Active Reserves Master Plan

4.3.7 Kingsbridge Park

Location

Under the City's Local Planning Policy 4.3 Public Open Space Policy (LPP 4.3), Kingsbridge Park is classified a District Park containing a junior oval and is located at 55 Kingsbridge Boulevard, Butler. The site is described as Lot Number 398 on Reserve No 47696 and has an overall land area of approximately 7.2 hectares.

The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. It should be noted there is a 'shared use agreement' in place with the Department of Education (DoE) for this Park therefore any infrastructure that is to be located on Butler Primary school site should be negotiated with DoE.

In terms of future facility requirements for the Park, the population growth within Butler and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

The Park has an open playing area with change room facilities, back nets, cricket nets, tennis courts, a skate park and amphitheatre area.

Facility	Amenity	Size/Comment
Change rooms	2 x Change rooms	3 showers, 1 toilet
	Male toilets Female toilets Disabled Toilet	1 toilet, 2 x single urinal 3 toilets 1
	Kiosk	
	Store room	
Active Reserve	Junior AFL Junior Cricket Cricket Nets Tennis Courts Basketball	1 x AFL 1 wicket Training (DoE) 2 Half court and lights
Playground Facility	Combination Unit – Medium	Installed 2011 – Due for replacement 2022
BMX / Skate	BMX and Skate Park	Local
Car Park	107 bays / 3 Disabled	N/A
Floodlighting	4 light poles	Australian Standard 2560, Large Ball Sports - Training
BBQs	2 x oval, 1 x building and 1 x courts	4
Park Furniture	Benches / Shelter Drinking Fountains / Bins Lighting	8 / 1 2 / 12 Around path network
Water	Service to the Amenities Building Bore and Irrigation	N/A
Power	Service to the Amenities Building	N/A
Signage	Signage	Bespoke and New Format

City of Wanneroo Active Reserves Master Plan

Usage and Limitations

Key points to consider;

Butler Primary School has use of the active reserve during school hours only (35.75 hours per week all year round) as per Shared Use Agreement.

Two clubs and two hirers have weekly summer seasonal use as follows:

- North Coast Ball Club – 26.5 hours (430 members)
- Quinns Rocks Cricket Club – 7.5 hours (35 senior and 200 junior members)
- Edmund Rice Centre – 2 hours
- Rebel Fitness Personal Training – 1 hour

One club has weekly winter seasonal use:

- Brighton Seahawks Junior Football Club – 25.5 hours (280 members)

And two clubs have concurrent weekly winter seasonal use:

- North Coast Rugby Union Junior Football Club – 6 hours (150 members)
- North Coast Rangers Christian Soccer Club – 6 hours (110 members)

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The Butler Community Centre was constructed in 2008;
- The change rooms were constructed in 2008;
- Four Floodlights were completed in 2012 to Australian Standard AS2560 for large ball sports training (50 lux); and
- The Playground was installed in 2007 and is not due for renewal until 2022.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental, Aboriginal or cultural heritage restrictions currently listed against the Park on the City's GIS system;
- No bush forever sites located on the reserve; and
- There are two drainage swales located within the park: Lots 11338 and 12255.

Outcomes of Consultation Workshop 1 held on 22 September 2014

No comments received.

Other consultation and feedback

Additional requests from online survey:

- Security cameras
- Fencing
- Soccer goals
- Open the toilets and add more
- Working BBQs
- More fitness activities
- More events
- More shade
- Wheelchair accessible play equipment

City of Wanneroo Active Reserves Master Plan

Outcomes of Consultation Workshop 2 held on 22 April 2015

- No additional items were received at this meeting.

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Investigate the provision of combination soccer/rugby goals; and
- Upgrade irrigation systems to improve water-use efficiency and turf quality.

City of Wanneroo Active Reserves Master Plan

Kingsbridge Park Master Plan



Principles

District Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for AFL, Soccer, Softball and Cricket with the ability to meet changing needs in the future.

Issues and Considerations

- Four Floodlights were completed in 2012 to Australian Standard AS2560 for large ball sports training (50 lux)
- Turf quality is poor in certain locations at certain times due to high usage and wear, particularly in soccer goal mouths, and the softball area
- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program
- The City is in the process of coordinating a CCTV Hub at the Butler Community Centre to be finalised in 2015/16

Recommendations

- A** Investigate the provision of combination soccer/rugby goals
- B** Upgrade irrigation system to incorporate hydrozones to improve water-use efficiency and turf quality

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Kingsbridge Park, Butler - Coastal Zone

0 20 50m 1:1500@A4 December 2014 Rev4



City of Wanneroo Active Reserves Master Plan

Kingsbridge Park Cost Report



Kingsbridge Park, Butler

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	KINGSBRIDGE PARK	
	MAIN SUMMARY	
XL	Landscaping and Improvements	102,000
PR	Preliminaries	9,000
	Net Project Cost	111,000
	Planning Contingency (5%)	6,000
	Design Contingency (10%)	12,000
	Construction Contingency (5%)	6,000
	Professional Fees (10%)	13,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	148,000
	Escalation to Tender (12 months)	4,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	152,000
	GST	15,200
	ESTIMATED TOTAL COMMITMENT (Incl GST)	167,200

NOTES

- 1 This Cost Plan assumes that the works would be competitively procured

City of Wanneroo Active Reserves Master Plan

4.3.8 Richard Aldersea Park

Location

Under the City's Local Planning Policy 4.3 Public Open Space Policy (LPP 4.3), Gumblossom Park is classified a Neighbourhood Park and is located at 40 Richard Aldersea Circle, Clarkson. The site is described as Lot Number 11670 on Reserve No 42042, and has an overall land area of approximately 4.9 hectares.

The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. It should be noted there is a 'shared use agreement' in place with the Department of Education (DoE) for this Park therefore any infrastructure that is to be located on Clarkson Primary school site should be negotiated with DoE.

In terms of future facility requirements for the Park, the population growth within Clarkson and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

The Park has an open playing area, toilet block, cricket nets, jump pit and playground.

Facility	Amenity	Size/Comment
Toilet Block	Male Toilets	1 urinal and 1 disabled
	Female Toilets	2 toilets and 1 disabled
Active Reserve	Junior AFL Junior Cricket	1 x AFL 1 wicket and 2 x nets
Playground Facility	Small Combination Unit, Swings and rocker	Installed 2013
Basketball		Half Court
Park Benches		6
Car Park	37 bays / 2 Disabled	N/A
Floodlighting	2 light poles	Old Standard
Water	Service to the Amenities Building	N/A
Power	Service to the Amenities Building	N/A
Signage	Block Signage	New Format

Usage and Limitations

Key points to consider;

Clarkson Primary School has use of the active reserve during school hours only (37.5 hours per week all year round) as per Shared Use Agreement.

One club has weekly summer seasonal use as follows:

- Quinns Rocks Cricket Club – 15.5 hours (200 junior and 35 senior members)

Two clubs have weekly winter seasonal use as follows:

- Quinns Districts Junior Football Club – 10 hours (750 members)

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The toilet block was constructed in 1994; and

City of Wanneroo Active Reserves Master Plan

- Two Floodlights were completed in 2005 and do not meet Australian Standard AS2560 for large ball sports training (50 lux).

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental, Aboriginal or cultural heritage restrictions currently listed against the Park on the City's GIS system; and
- No bush forever sites located on the reserve.
-

Outcomes of Consultation Workshop 1 held on 22 September 2014

- Improve lighting for training; and
- More parking.

Other consultation and feedback

There were no additional requests from online survey.

Outcomes of Consultation Workshop 2 held on 22 April 2015

No additional comments were received at this workshop.

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Upgrade floodlighting to Australian Standard 2560; and
- Provide storage rooms (2 x 16m²) to the existing toilet block.

City of Wanneroo Active Reserves Master Plan

Richard Aldersea Master Plan



Principles

Neighbourhood Park - Will continue to be used for both organised sport and passive recreational purposes and accommodate use by junior sports

Issues and Considerations

- Clarkson Primary School has use of the active reserve during school hours as per Shared Use Agreement
- Existing floodlights do not meet standard
- Hydrozoning of the Park has yet to be undertaken
- There is a lack of storage facilities for sporting clubs

Recommendations

- A** Upgrade floodlighting to Australian Standard 2560 at 50 Lux on 4 towers
- B** Provide storage rooms (2 x 16m²) to the existing toilet block

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Richard Aldersea Park, Clarkson - Coastal Zone

0 20 50m 1:1500@A4 December 2014 Rev2



City of Wanneroo Active Reserves Master Plan

Richard Aldersea Park Cost Report



Richard Aldersea Park, Clarkson

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	RICHARD ALDERSEA PARK	
	MAIN SUMMARY	
	XB Outbuildings and Covered Ways	38,400
	XE External Electric Light and Power	280,000
	PR Preliminaries	25,800
	Net Project Cost	344,200
	Planning Contingency (5%)	18,000
	Design Contingency (10%)	35,000
	Construction Contingency (5%)	18,000
	Professional Fees (10%)	40,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	455,200
	Escalation to Tender (12 months)	12,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	467,200
	GST	46,720
	ESTIMATED TOTAL COMMITMENT (Incl GST)	513,920

NOTES

City of Wanneroo Active Reserves Master Plan

4.3.9 Ridgewood Park

Location

Under the City's Local Planning Policy 4.3 Public Open Space Policy (LPP 4.3), Ridgewood Park is classified a District Park and is located at 15 Ridgewood Boulevard, Ridgewood. The site is described as Lot Number 14433 on Reserve No 46627, and has an overall land area of approximately 7.7 hectares.

The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. In terms of future facility requirements for the Park, the population growth within Ridgewood and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

The Park has an open playing area with toilets and sports amenities building, a playground cricket nets, jump pits, discuss throwing circles and half court.

Facility	Amenity	Size/Comment
Toilets	Male Toilets	1 toilet, 1 urinal (no showers)
	Female Change Toilets	3 toilets (no showers)
Sports Amenities Building	Store rooms	x 5
	Change rooms (Home)	2 toilets, 3 showers
	Change rooms (Away)	2 toilets, 3 showers
	Physio, First Aid/Referee, Kitchen	
Active Reserve	AFL	1
	Cricket	2 x nets and 1 x wicket
	Jump pits	2
	Discuss Throwing Circles	2
Playground Facility	Combination Unit – Medium, Swings and 2 x rockers	Installed 2011 – Due for replacement 2020.
Park Furniture	Benches	4
	Shelter	1
	BBQ	4
	Bins	4
Car Parks	Eastern	38 bays / 2 Disabled
	Western	54 bays / 2 Disabled
Floodlighting	4 light poles	Australian Standard 2560, Large Ball Sports - Training
Water	Service to the Amenities Building: Irrigation and Bore	N/A
Power	Service to the Amenities Building	N/A
Signage	Block Signage	

Usage and Limitations

Key points to consider;

Four clubs and one personal trainer have weekly summer seasonal use as follows:

- Quinns Rocks Cricket Club – 9.5 hours (200 members)
- Ridgewood Little Athletics Club/Centre – 12.5 (associated clubs)
- Clarkson Little Athletics Club – 7.5 (100 members)
- Quinns FC – 2 hours (800 members)
- Run Walk for Life – 3 hours (personal training)

City of Wanneroo Active Reserves Master Plan

Two clubs have weekly winter seasonal use as follows:

- Quinns Districts Amateur Football Club – 40.25 hours (100 members)
- Quinns Districts Junior Football Club – 17.75 hours (750 members)

Infrastructure Condition

A review of audited data for the existing facilities at the Park has been undertaken, with the key findings as follows:

- The toilets were constructed in 1995 and sports amenities building in 2005;
- Four Floodlights were completed in 2012 to Australian Standard AS2560 for large ball sports training (50 lux); and
- Playground was replaced as part of the City's playground renewal program in 2011 and is not due for renewal until 2020.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program;
- There are no environmental, Aboriginal or cultural heritage restrictions currently listed against the Park on the City's GIS system;
- No bush forever sites located on the reserve; and
- There are two drainage swales located within the park: Lot 495 (owned by Water Corp) and Lot 500.

Outcomes of Consultation Workshop 1 held on 22 September 2014

- Clubrooms/function area;
- Relocate toilets to build clubrooms;
- More storage;
- Second oval at northern site;
- Extend car park to verge-side;
- Multiuse courts;
- Upgrade oval lighting;
- More maintenance;
- More bins around oval;
- Install goal post sleeves;
- Level re-surface area for 400m running track;
- Water supply to jump pits;
- Lake is a safety hazard;
- Two storey covered tiered seating; and
- Move northern discuss net/circle to the other side of the southern discuss net/circle to provide safer area for jump pit run up.

City of Wanneroo Active Reserves Master Plan

Other consultation and feedback

Additional requests from online survey:

- Improve turf quality
- Fencing
- Dog-free
- Asphalt walking tracks instead of cement paths which are biomechanically damaging

Outcomes of Consultation Workshop 2 held on 22 April 2015

- Question level of existing floodlights – club to contribute to 100 lux

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Provide for a function area to existing Sports Amenities Building (100m²);
- Provide additional storage (60m²);
- Provide additional roadside parking 30 bays;
- Relocate the northern discuss circle to the other side of the southern discuss circle (away from jump pits);
- Provide site survey inform levelling of 400m running track;
- Provide additional bins x 4;
- Investigate the provision of additional oval in north area, including any clearing restrictions, planning implications and engineering restrictions; and
- Upgrade irrigation system to incorporate hydrozones and improve water-use efficiency and turf quality.

Subsequent to the completion of the Quantity Surveyor Report an additional item to upgrade the existing floodlighting from 50 lux to 100 lux has since been identified. Based on comparable projects the cost of these works is in the order of \$25,000 with the assumption that the poles and wires are suitable and a power upgrade is not required.

City of Wanneroo Active Reserves Master Plan

Ridgewood Park Master Plan



Principles

Neighbourhood Park - The Reserve will continue to be of a multipurpose nature used for both passive recreational purposes and organised sport, primarily (but not exclusively) providing for (not exclusively) AFL, Soccer, Athletics and Cricket with the ability to meet changing needs in the future.

Issues and Considerations

- Hydrozoning of the Park has yet to be undertaken and is currently not listed in the capital works program
- Ground lighting is not to standard
- The sports amenities building has 5 store rooms, toilets and showers for home and away teams and facilities for physiotherapy, first aid, referees and a kitchen
- The sports playing surfaces are of poor quality in certain locations on occasions

Recommendations

- A** Provide for a function area to existing Sports Amenities Building (100m²)
- B** Provide additional storage (60m²)
- C** Provide additional roadside parking 30 bays
- D** Relocate the northern discuss circle to the other side of the southern discuss circle (away from jump pits)
- E** Provide site survey to inform levelling of 400m running track
- F** Provide additional bins x 4
- G** Provide water supply to jump pits
- H** Investigate the provision of additional oval in north area, including any clearing restrictions, planning implications and engineering restrictions
- I** Upgrade irrigation system to incorporate hydrozones and improve water-use efficiency and turf quality
- J** Lighting upgrade to 100 lux on 4 towers

CITY OF WANNEROO ACTIVE RESERVE MASTER PLAN

Ridgewood Park, Ridgewood - Coastal Zone

City of Wanneroo Active Reserves Master Plan

Ridgewood Park Cost Report



Ridgewood Park, Ridgewood (Rev 1)

Ref	Description	Total \$
WANNEROO ACTIVE RESERVES		
MASTERPLAN ESTIMATE REV 0		
Job No: 17441		
RIDGEWOOD PARK		
MAIN SUMMARY		
XR	Roads, Paths and Paved Areas	68,250
XB	Outbuildings and Covered Ways	342,000
XL	Landscaping and Improvements	102,500
XW	External Water Supply	15,250
PR	Preliminaries	43,000
	Net Project Cost	571,000
	Planning Contingency (5%)	29,000
	Design Contingency (10%)	58,000
	Construction Contingency (5%)	29,000
	Professional Fees (10%)	66,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	753,000
	Escalation to Tender (12 months)	20,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	773,000
	GST	77,300
	ESTIMATED TOTAL COMMITMENT (Incl GST)	850,300

Note: Does not include \$25,000 estimate for floodlighting upgrade

4.3.10 Riverlinks Park

Location

Under the City's Local Planning Policy 4.3 Public Open Space Policy (LPP 4.3), Ridgewood Park is classified a Neighbourhood Park and is located at 15 Riverlinks Drive, Clarkson. The site is described as Lot Number 1625 on Reserve No 48471 and has an overall land area of approximately 4.7 hectares.

The land is Crown Land vested to the City of Wanneroo for the purpose of public recreation. It should be noted there is a 'shared use agreement' in place with the Department of Education (DoE) for this Park therefore any infrastructure that is to be located on Somerly Primary school site should be negotiated with DoE.

In terms of future facility requirements for the Park, the population growth within Clarkson and the surrounding areas indicate that there is not necessarily the need to expand the facilities to accommodate for growth, rather focus on the provision of facilities that are to the required standard to support future use and are flexible to accommodate changing needs within the community.

Existing Infrastructure

The Park has an open playing area, park shelter and path network south of the playing area.

Facility	Amenity	Size/Comment
Active Reserve	Soccer	2 x goals
Park Benches	Located around path network	7
Park Shelter		Small
Water	Irrigation and Bore	N/A

Usage and Limitations

Key points to consider;

Somerly Primary School has use of the active reserve during school hours only (35 hours per week all year round) as per Shared Use Agreement.

One club has weekly summer seasonal use as follows:

- Quinns FC – 4 hours (800 members)

One club has weekly winter seasonal use as follows:

- Quinns FC – 3 hours (800 members)

Annual event – Carols in the Park, December.

Infrastructure Condition

The park currently has no existing facilities other than the park shelter.

Future Impacts, Site limitations

Key points to consider;

- Hydrozoning of the Park has been partially undertaken;
- There are no environmental, Aboriginal or cultural heritage restrictions currently listed against the Park on the City's GIS system;
- No bush forever sites located on the reserve; and
- There is a drainage swale located within the park at Lot 1627.

City of Wanneroo Active Reserves Master Plan

Outcomes of Consultation Workshop 1 held on 22 September 2014

All comments were received on behalf of the Somerly Primary School:

- Additional parking;
- Bollards/fencing around drainage swale;
- Playground/exercise equipment;
- Change rooms; and
- Lighting.

Other consultation and feedback

There were no comments received via the online survey.

In June 2013 the Quinns FC submitted a petition (PT02-06/13) to the City of Wanneroo requesting the development of toilet facilities, change room facilities and floodlighting at Riverlinks Park.

Outcomes of Consultation Workshop 2 held on 22 April 2015

Nil.

Recommendations

As a result of the consultation workshop and general feedback from the community the City's recommendation for this park is as follows:

- Provide the following items currently listed in the City's Capital Works Budget;
 - Floodlighting (currently underway);
 - Install transportable change rooms;
 - Design sports amenity building and car park;
 - Construct sport amenity building 171.3m²;
 - Construct 30 car park bays;
- Provide Play equipment, medium combination unit with rubber soft-fall and shade sails; and
- Irrigation upgrade to complete hydrozones and achieve a better ground surface quality and usability and water-use efficiency.

Riverlinks Park Master Plan



Principles

Neighbourhood Park - To increase useability for both organised sport and passive recreational purposes and continue to accommodate use by junior sports.

Issues and Considerations

- Hydrozoning has been partially completed
- The park currently has no existing facilities other than the park shelter

Recommendations

- A** Design and construct ground lighting to 50 Lux large ball training on 4 towers as per 2014/15 capital works program
- B** Install transportable change rooms as per 2014/15 capital works program
- C** Design sports amenity building and car park as per 2014/15 capital works program
- D** Construct sports amenity building 171.3m² as per 2015/16 capital works program
- E** Construct car park 30 bays as per 2015/16 capital works program
- F** Provide play equipment, medium combination unit with rubber matting and shade sails
- G** Irrigation upgrade to complete hydrozones and achieve a better between ground surface quality and useability and water-use efficiency

City of Wanneroo Active Reserves Master Plan

Riverlinks Park Cost Report



Riverlinks Park, Clarkson

Ref	Description	Total \$
	WANNEROO ACTIVE RESERVES	
	MASTERPLAN ESTIMATE REV 0	
	Job No: 17441	
	RIVERLINKS PARK	
	MAIN SUMMARY	
XR	Roads, Paths and Paved Areas	92,000
XB	Outbuildings and Covered Ways	700,400
XL	Landscaping and Improvements	230,000
XK	Stormwater Drainage	5,500
XD	External Sewer Drainage	20,300
XW	External Water Supply	13,900
XE	External Electric Light and Power	300,000
PR	Preliminaries	108,900
	Net Project Cost	1,471,000
	Planning Contingency (5%)	74,000
	Design Contingency (10%)	148,000
	Construction Contingency (5%)	74,000
	Professional Fees (10%)	170,000
	Public art	Excluded
	Client agency costs	Excluded
	Land costs	Excluded
	Gross Project Cost	1,937,000
	Escalation to Tender (12 months)	50,000
	ESTIMATED TOTAL COMMITMENT (excl GST)	1,987,000
	GST	198,700

5 NEW PROJECTS

These projects were not included within the scope of the original 31 active reserves of the ARMP and are subject to their own master planning and costing exercises as new projects.

5.1 SOUTH WARD

There are currently no new projects planned for the South Ward.

5.2 CENTRAL WARD

5.2.1 Banksia Grove District Open Space

Located on Grandis Boulevard, Banksia Grove the project will include:

- Three ovals including a one floodlit oval;
- Sports Amenities Building with a multipurpose room;
- Cricket nets; and
- Carpark.

At an estimated cost of \$3.5million the Sports Amenities Building is scheduled for completion in August 2018.



5.3 NORTH COAST WARD

5.3.1 Butler North District Open Space

Located on Halesworth Parade, Butler the project will include:

- Two floodlit multipurpose playing areas;
- 16 hardcourts;
- Sports Amenities Building;
- Cricket nets;
- Playground; and
- Carpark.

At an estimated cost of \$22.1million, this project is scheduled for commencement in 2017with completion expected in 2020



5.3.2 Yanchep Active Open Space

Located on Yanchep Beach Road, Yanchep the project will include:

- Two full size football pitches (one with cricket pitch);
- Hard court tennis courts;
- Cricket pitch;
- Sports field.

At an estimated cost of \$1.5 million, the project is scheduled for completion in 2017.



City of Wanneroo Active Reserves Master Plan

5.3.3 Leatherback Park

Located on Leatherback Boulevard, Alkimos the project will include:

- Senior full-sized oval with cricket pitch (complete)
- Floodlighting
- Sports Amenities Building

At an estimated cost of \$1.7million this project is being undertaken by Lend Lease as part of the Alkimos Beach Development and due for completion in 2017.



City of Wanneroo Active Reserves Master Plan

5.3.4 Amberton District Open Space

Located on Leatherback Boulevard, Alkimos the project will include:

- Two senior full-sized multi-purpose ovals (complete middle 2016);
- Floodlighting both ovals; and
- Sports Amenities Building.

At an estimated cost of \$4.38million this project is being undertaken by Stockland as part of the Amberton Development and due for completion in 2017.

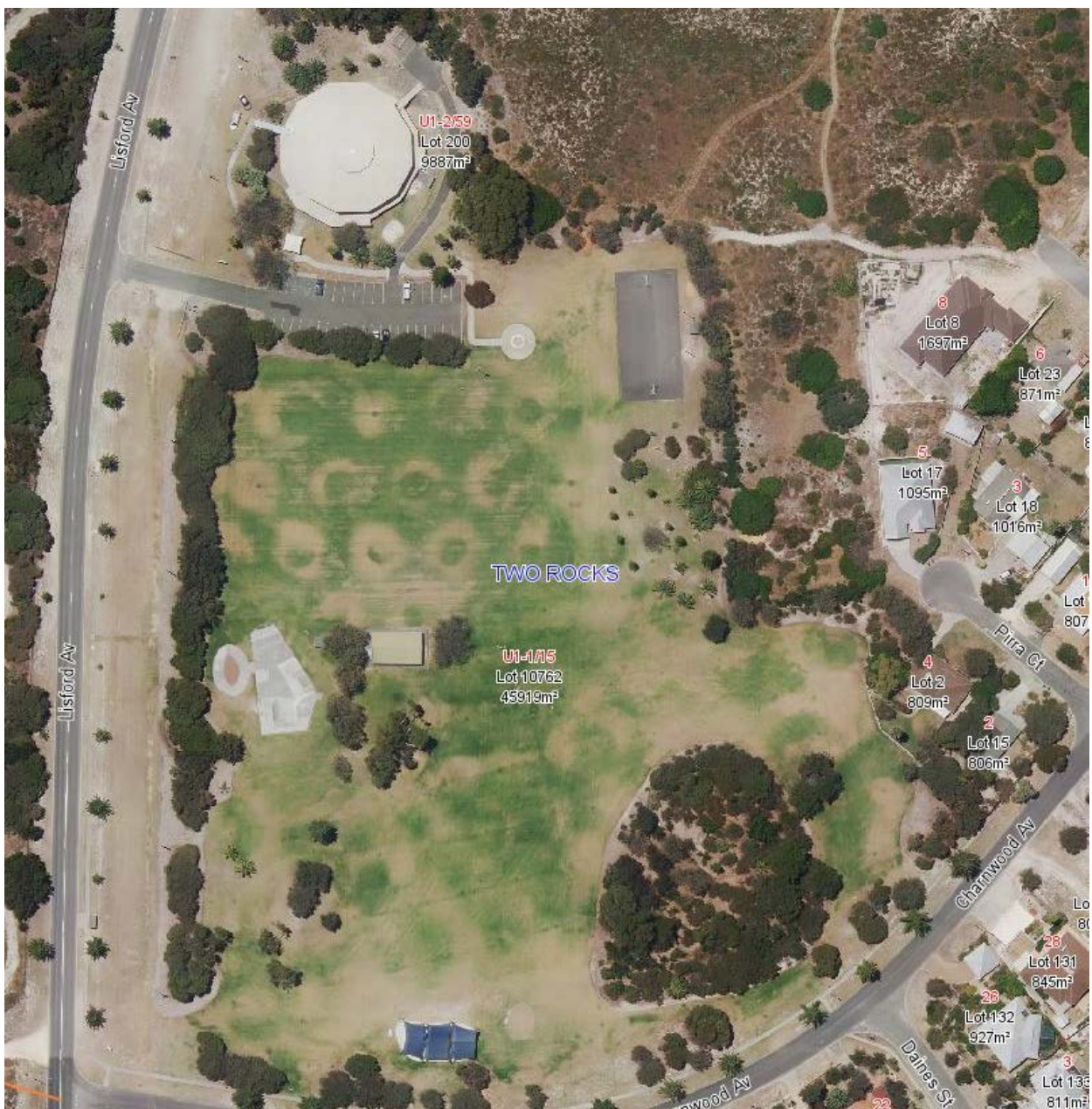


City of Wanneroo Active Reserves Master Plan

5.3.5 Charnwood Park

Located at the intersection of Charnwood Avenue and Lisford Avenue, Two Rocks, Charnwood Park is currently listed in the 2017/18 Capital Works Budget for \$10,000 to undertake a masterplan that will:

- Guide the development of the facility;
- Identify current and future uses;
- Identify the current and future levels of use, the determine the required infrastructure upgrades, new infrastructure provision and future management strategies;
- Provide an evidence base to identify the need and feasibility for the development of infrastructure or identify the need to develop facilities to their level of use; and
- Provide audited information of the site that will identify if the facility requires minor refurbishment or a major upgrade and provide detail to the extent of those works.



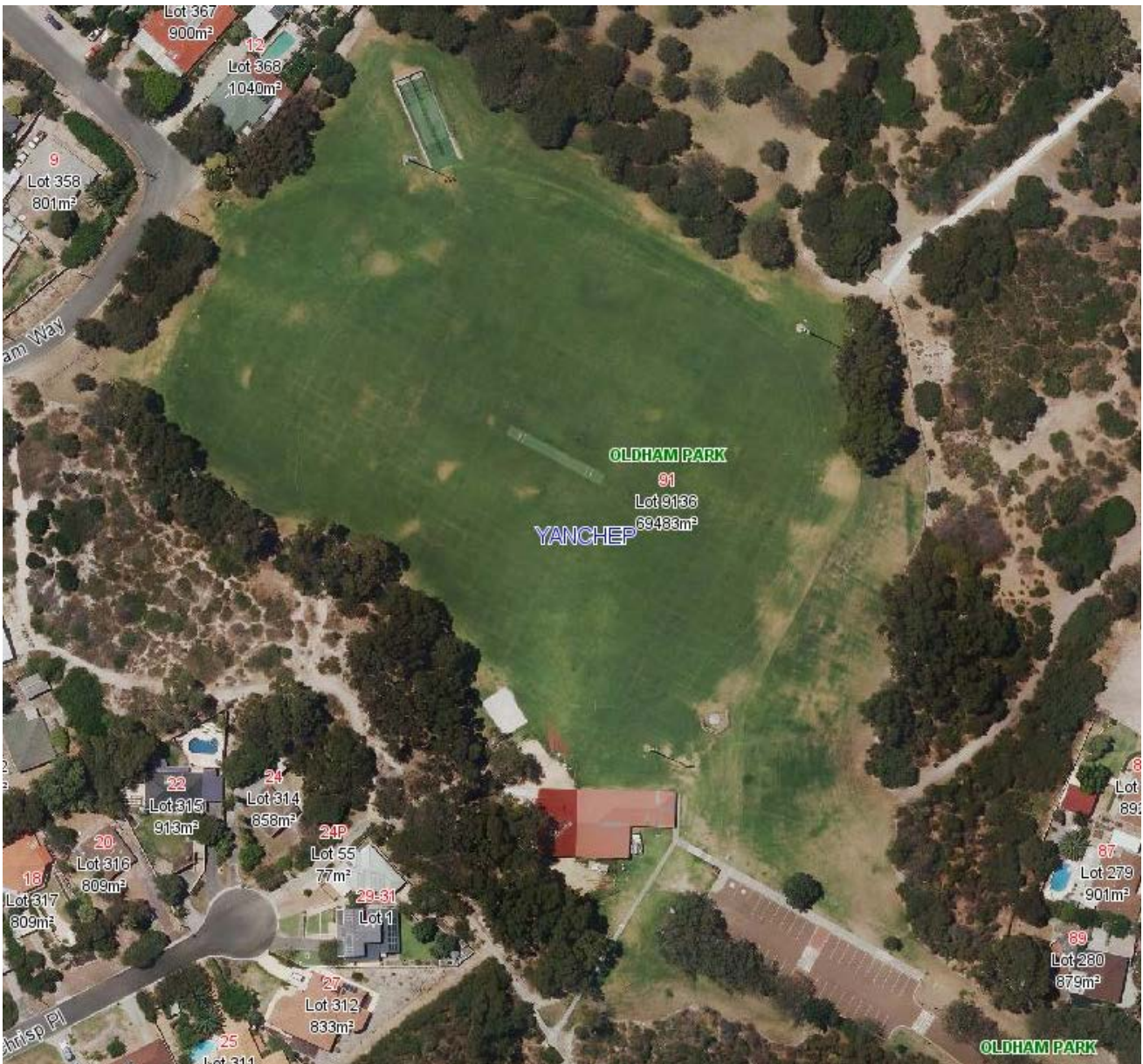
City of Wanneroo Active Reserves Master Plan

5.3.6 Oldham Reserve

Located on Oldham Way, Yanchep the active reserve includes:

- Sports Amenities Building
- Playground
- Floodlighting
- Senior size playing area (football and cricket)
- Cricket wickets
- Jump pits and Throwing circle

The Multi-purpose function room was recently completed in 2015/16 as an addition to the Sports Amenities Building.



6 FINANCIAL IMPLICATIONS

6.1 CAPITAL WORKS BUDGET

In accordance with the requirements of the *Local Government Act 1995* and *Local Government (Administration) Regulations 1996*, all local governments are required to implement a plan for the future. The preparation of the City's annual budget is informed and updated continuously to reflect the latest factors likely to influence the City's operations.

The Capital Works Budget is developed with the aim of balancing demands for new infrastructure against the need to maintain, renew, upgrade and replace existing assets. Recommendations from this report will be used to assist decision-making and prioritisation of future year's budgets and reviewed as required.

6.2 GRANT FUNDING

The Community Sporting and Recreation Facilities Fund (CSRFF) is a State Government grant that provides financial assistance to community groups and local government authorities to develop basic infrastructure for sport and recreation.

The program, administered by the Department of Sport and Recreation aims to increase participation in sport and recreation, with an emphasis on physical activity, through rational development of sustainable, good quality, well-designed and well-utilised facilities.

Currently the grant is worth \$7million per year, which was recently reduced down from \$20million per year. Applicants can apply for up to a third of the project costs for one of three types of grants – Small, Annual and Forward Planning.

Small Grants are available for projects costing between \$7,500 and \$20,000 at two rounds each year. Rounds are advertised in February and July and close on the last working day in March and August each year. An example of an eligible Small Grant is a cricket pitch or court resurfacing.

Annual Grants are available for projects costing between \$200,001 and \$500,000 that must be completed in the financial year following the date of approval. There is one round each year which is advertised in June and notification in December/January each year. An example of an eligible Annual Grant project is a large floodlighting or clubroom upgrade project.

Forward Planning Grants are available for projects costing above \$500,000 and may require an implementation period between one and three years. There is one round each year which is advertised in June and applicants notified in February the following year. An example of an eligible Forward Planning project is a club room or playing field construction.

6.3 DEVELOPER CONTRIBUTIONS

Development contributions are a mechanism for the sharing of infrastructure costs between a Developer and the City. Typically the Developer is responsible for the immediate infrastructure such as water supply, drainage and playing surface. Additional amenities such as floodlights, changerooms and toilets are the responsibility of the City.

Developers have the option to develop the additional amenities ahead of the City's schedule at their own cost which is then reimbursed by the City and detailed within a Developer Contribution Plan.

6.4 CLUB CONTRIBUTIONS

Clubs may apply to increase or improve an infrastructure project beyond the City's standard level or provision at a cost to the Club. Any assets will remain the property of the City and use of the asset will comply with the City's Conditions of User and Facility Hire and Use Policy.

City of Wanneroo Active Reserves Master Plan

6.5 SHARED USE FACILITIES WITH THE DEPARTMENT OF EDUCATION

As per the City's Shared Use Policy:

The City and the Department of Education (DoE) have developed a set of protocols and principles to be considered with recommending the co-location of school sites with public open space and/or sharing of recreation and community facilities.

The responsibilities of the City and the DoE are set out in relevant Policy, Protocols and Principles, Memorandum of Understanding and License Agreements.

7 SUMMARY AND RECOMMENDATIONS

A summary of the recommendations for each ward is included in **Attachment 19 - 21** and an overall cost summary of all the recommendations is provided **Attachment 22**. A total of 195 projects at an approximate cost of \$62,218,513 have been identified. The range of projects is quite diverse, as outlined but not limited to the table below:

Table 16 - Summary of Project Types

Infrastructure Type	# of Projects
Floodlighting	22
Drink Fountains	8
Irrigation upgrades	3
New car parking	10
New/additional storage	5
Refurbishment of toilets/changerooms	10

8 REVIEW PROCESS

The ARMP remains an ongoing process and is continually updated and reviewed to reflect the current demands of the City at the time. This is done throughout the Council budgeting process as part of the usual checks and measures and also as individual projects are prioritised.

It is noted that at the time of this report the most up to date participation statistics were from 2013/14 and released in December 2015. Recommendations will need to be updated to reflect up to date participation statistics as they are made available.

9 RELATED DOCUMENTS AND REFERENCES

The following City of Wanneroo policies and processes were referenced throughout the study and preparation of the Master Plan report:

- Local Planning Policy 4.3 – Public Open Space
- Public Art Policy
- Community Consultation Policy
- Facility Hire & Use Policy
- Acquisition and Development of Community Purposes Sites Policy
- Waste Management Services Policy
- District Planning Schemes
- Agreed structure plans
- Land use and water management strategy
- Disability Access and Inclusion Plan 2012- 2015
- Future Direction of Youth Services at the City of Wanneroo 2013 (TRIM /144566)
- NMRRAG Standard Layout Plans – TRIM 14/72819
- Shared Use Agreements with the Department of Education
- Development Activities by the City Policy
- Sports Floodlighting Policy

Past Studies and Literature Review

- Wanneroo Showgrounds Infrastructure Upgrade Report (TRIM 12/135604)
- East Wanneroo Public Open Space Review (P/Docs# 657167)
- Wanneroo Showgrounds Youth Facilities' Needs & Feasibility Study (Docs#723980)
- Gumblossom Master Plan
- Dalvik Park Community Consultation
- Kingsway Regional Sporting Complex Master Plan 2011(11/27981)
- East Wanneroo Public Open Space Review (P/Docs# 657167)
- Koondoola Needs and Feasibility Study (12/134675)

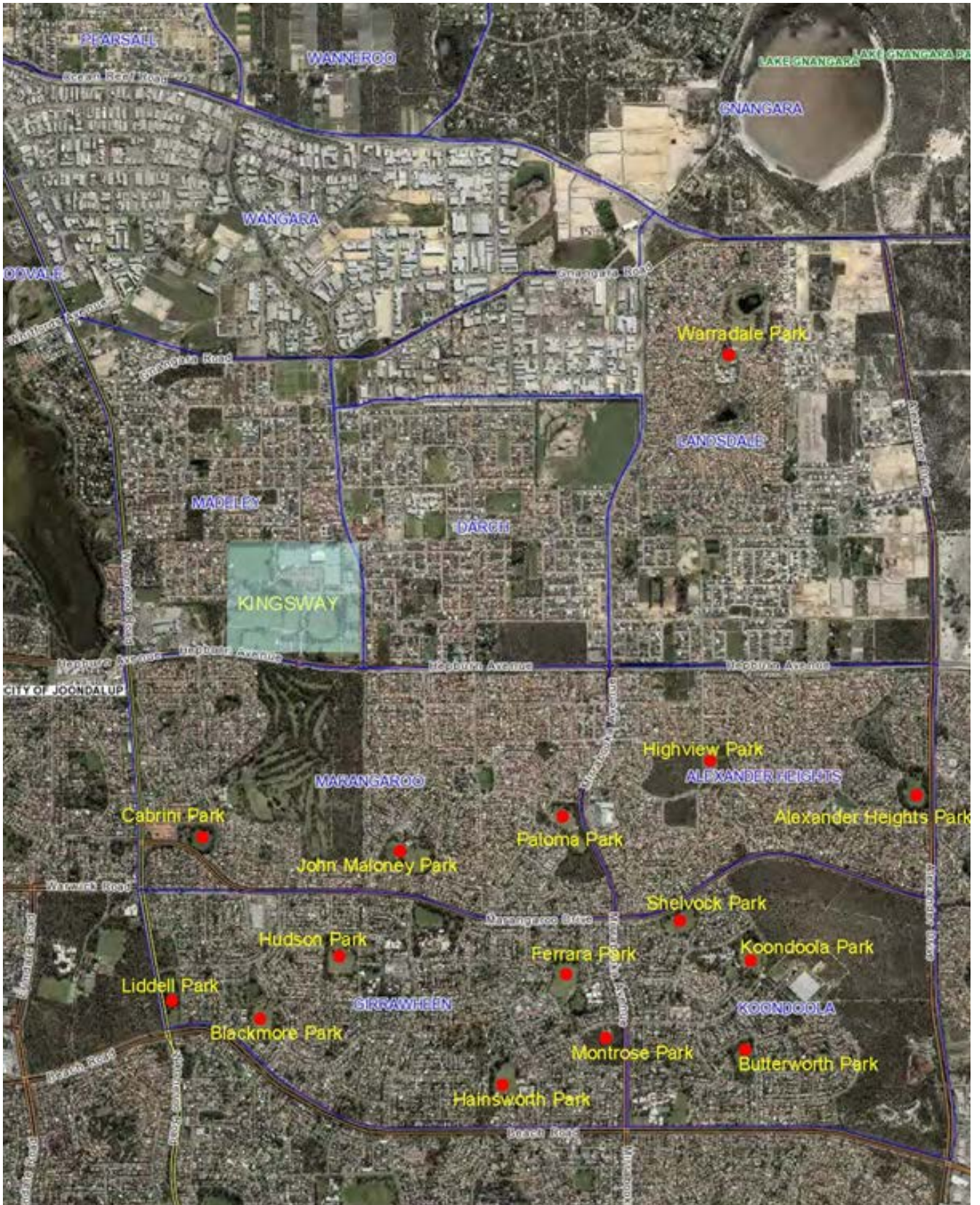
Australian Bureau of Statistics

- 41770DO001_201314 Participation in Sport and Physical Recreation, Australia, 2013-14
- 41770DO006_201112 Participation in Sport and Physical Recreation, Australia, 2011-12 – Western Australia
- 4156.0 - Sports and Physical Recreation: A Statistical Overview, Australia, 2012
- forecast.id population forecasts

10 ATTACHMENTS

City of Wanneroo Active Reserves Master Plan

Attachment 1 - South Ward Aerial Map



City of Wanneroo Active Reserves Master Plan

Attachment 2 - Central Ward Aerial Map



● New Projects

City of Wanneroo Active Reserves Master Plan

Attachment 3 - North Coast Ward Aerial Map



● New Projects

Attachment 4 - South Ward Community Reference and Sporting User Group



South Ward Community Reference and Sporting User Group

29 April 2014

Name:	South Ward Community Reference and Sporting User Group
Role/Purpose:	To guide the development of Master Plans for the Active Reserves in the South Ward to enable these facilities to meet the current and future needs of the Community and to inform the City's 10 Year Capital Works Program.
Aims & Functions:	<p>1.1 To recommend to Council by no later than February 2015, a Master Plan to guide the development of Hudson Park, Girrawheen, as the first priority.</p> <p>1.2 To recommend to Council by no later than February 2015 a Master Plan to guide the development of the following Active reserves and associated facilities within the South Ward;</p> <ul style="list-style-type: none"> • Alexander Heights Park – Alexander Heights • Highview Park – Alexander Heights • Paloma Park – Marangaroo • John Maloney Park – Marangaroo • Cabrini Park – Marangaroo • Liddell Park – Girrawheen • Blackmore Park – Girrawheen • Ferrara Park – Girrawheen • Hainsworth Park – Girrawheen • Montrose Park Tennis Courts – Girrawheen • Butterworth Park – Koondoola • Koondoola Park – Koondoola • Warradale Park – Landsdale • Madeley Primary School <p>1.3 To consider within the Master Planning process, joint use active reserves (City of Wanneroo and the Department of Education) within the South Ward.</p>
Membership:	<p>2.1 The Working Group shall consist of the following representation:</p> <ul style="list-style-type: none"> • Mayor; • South Ward Councillors ; • Manager Community Programs and Services (non voting)

City of Wanneroo Active Reserves Master Plan

	<p>delegate);</p> <ul style="list-style-type: none"> • A maximum of one (1) representatives from each suburb within the South Ward, for a total of seven (7) representatives; • A maximum of seven representatives (7) from Sporting User Groups located within the South Ward. <p>2.2 Membership shall be for the period of up to two years terminating on the day of the Ordinary Council elections, with retiring members eligible to apply.</p> <p>2.3 Members must comply with the City's Code of Conduct.</p> <p>2.4 The Working Group has authority to second individuals from outside of the Working Group, on a voluntary basis, for their expert advice.</p> <p>2.5 Consideration will not be given to any nomination received from a person who is currently serving as an elected member of a neighbouring council.</p>
<p>Operating procedures:</p>	<p>3.1 Chairperson:</p> <ol style="list-style-type: none"> a) The members of a Working Group are to elect a Chairperson and Deputy Chairperson from amongst themselves at the first meeting of the Group. For transparency and accountability it is recommended that Council officers not be appointed to the position of Chairperson and Deputy Chairperson.) b) The Chairperson will preside at all meetings. c) In the absence of the Chairperson, the Deputy Chairperson will assume the chair, and in their absence, a person is to be elected by the Working Group members present to assume the Chair. d) The Chairperson is responsible for the proper conduct of the Working Group. <p>3.2 Meetings:</p> <ol style="list-style-type: none"> a) The Working Group shall meet on a regular basis as determined by the nominated Group members. b) All meeting dates are to be provided in Councillors' Clipboard and in the City of Wanneroo diary. c) A Notice of Meetings including an agenda will be circulated to the Working Group members (including deputy delegates) at least 72 hours prior to each meeting where possible. d) The Chairperson shall ensure that minutes of all meetings are kept and that copies are made available to all Working Group members (including deputy delegates) as soon as is practicable after the meeting. The minutes are to be available for public inspection. e) Copies of all agendas and minutes are to be forwarded electronically through TRIM the City's electronic record keeping system to Governance for filing in the Elected Members' Reading Room. f) All agenda and minute documentation is to be generated through Council's Infocouncil software reporting system. g) A Working Group outcome or recommendation will have effect if it is supported by general consensus of the meeting, or through a vote made by simple majority. A simple majority is the

City of Wanneroo Active Reserves Master Plan

	<p>agreement of not less than half of the votes present at the meeting.</p> <p>h) In the event that a vote is taken, all endorsed members of the Working Group will have one vote. The Chairperson will have the casting vote and simple majority will prevail.</p> <p>3.3 Quorum: A meeting can be conducted without a quorum if necessary. However, every endeavour should be made to achieve a quorum or at least to ensure a reasonable spread of representation, particularly in circumstances where recommendations will be made for Council's consideration.</p> <p>3.4 Administration:</p> <p>3.4.1 Administration Support Administration support for the committee will be provided by the City of Wanneroo. That support person will be the Facility Planning & Development Officer (South).</p> <p>3.4.2 Motions on Notice A Working Group member may raise at a meeting any business that the member considers appropriate and which is relevant to the purpose of the Working Group, in the form of a motion, of which 7 days notice has been given in writing to the Administration Officer prior to the compilation of the Agenda for that meeting. An Administration Comment is to be added at the end of Motions on Notice and signed off by the appropriate Director.</p>
Delegated Authority:	<p>4.1 The Working Group has no delegated power and has no authority to implement its recommendations without approval of Council.</p> <p>4.2 The Working Group has no delegated authority to commit Council to the expenditure of monies.</p> <p>4.3 Matters requiring Council consideration will be subject to separate specific reports to Council.</p>

City of Wanneroo Active Reserves Master Plan

Attachment 5 - Council Report CD01-04/15

CD01-04/15 South Ward Active Reserve Master Planning Process Outcomes

File Ref: 14905 – 15/99773
Responsible Officer: Director Community Development
Disclosure of Interest: Nil
Attachments: 8

Issue

To consider the outcomes of the South Ward Active Reserve Master Planning process.

Background

The South Ward Active Reserve Master Planning process has been undertaken by the South Ward Community Reference and Sporting User Group (the Reference Group). The Reference Group has been established as a result of Council considering Petition PT04-10/13, which was presented to Council at its meeting held on 15 October 2013. The petition requested that Council consider "*the provision of improved sport and recreation facilities at Hudson Reserve in Girrawheen. This would include amongst other things – improved lighting, better playground and hard court amenity and increase active field maintenance.*"

As a consequence, Council considered report CD02-02/14 and resolved the following:

- “1. *NOTES the petition PT04-10/13 table to Council at its Ordinary Council Meeting held on 15 October 2013;*
2. *ACKNOWLEDGES the immediate needs of Hudson Park as identified within the report and responds to those needs as a matter of priority;*
3. *AUTHORISES the formation of a South Ward Community Reference and Sporting User Group, including the development of an appropriate Terms of Reference to focus initially on the needs of Hudson Park;*
4. *LISTS \$250,000 within the draft 2014/15 budget to address the asset and maintenance matters identified in the report and matters identified by the Reference Group; and*
5. *AUTHORISES the Director Community Development to advise the petitioners.”*

A Terms of Reference was consequently drafted and considered by Council at its meeting held on 22 May 2014 (**Attachment 1**) and resolved the following:

- “1. *APPROVES the Terms of Reference for the South Ward Community Reference and Sporting User Group as detailed in Attachment 1;*
2. *APPOINTS BY ABSOLUTE MAJORITY the Mayor and the South Ward Councillors to the South Ward Community Reference and Sporting User Group;*
3. *AUTHORISES a maximum of one (1) representative from each suburb within the South Ward, for a total of seven (7) representative, and a maximum of seven representatives (7) from Sporting User Groups located within the South Ward; and*
4. *NOTES an Expression of Interest will be conducted seeking representation from community members and Sporting User Group.”*

By way of summary, the Role/Purpose and Aims and Functions of the Reference Group are as follows:

City of Wanneroo Active Reserves Master Plan

“Role and Purpose: To guide the development of Master Plans for the Active Reserves in the South Ward to enable these facilities to meet the current and future needs of the Community and to inform the City's 10 Year Capital Works Program.

Aims and Functions:

- 1.1 *To recommend to Council by no later than February 2015, a Master Plan to guide the development of Hudson Park, Girrawheen, as the first priority.*
- 1.2 *To recommend to Council by no later than February 2015 a Master Plan to guide the development of the following Active reserves and associated facilities within the South Ward (as listed in Attachment 1);*
- 1.3 *To consider within the Master Planning process, joint use active reserves (City of Wanneroo and the Department of Education) within the South Ward.”*

In seeking to support the Reference Group in achieving its role and stated aims, a Project Methodology was developed (**Attachment 2**) and endorsed by the Reference group at its meeting held on 13 August 2014.

Detail

The Master Planning Process

The Master Planning process was undertaken as per the methodology set out in **Attachment 2**. Within each meeting agenda for the Reference Group, a report was provided for the Active Reserves within the locality/localities identified for that meeting, providing the following information:

- City of Wanneroo policy considerations;
- Overview of current facilities;
- Overview of usage and limitations;
- Current infrastructure condition;
- Analysis of current population and demographics of the locality;
- Future impacts and site limitations;
- Future usage;
- Consideration of base principles and assumptions; and
- Financial implications – current budget items listed.

The outcomes sought from each meeting of the Reference Groups were as follows:

- Identify agreed base principles/assumptions for each of the Active Reserves;
- Identify an agreed understanding of future usage for each of the Active Reserves;
- Identification of required infrastructure upgrades, listed in an indicative priority order; and
- An agreed preliminary General Arrangement Concept for each Active Reserve.

At the next meeting of the Reference group, a further report was provided confirming the outcomes of the previous workshop discussions, including:

- Identified Infrastructure Upgrades;
- Preliminary Cost Estimates (Order of Magnitude); and
- Initial prioritisation.

City of Wanneroo Active Reserves Master Plan

- Upon endorsement by the Reference Group, the information generated from each workshop was then developed into an illustrative Master Plan with a formal cost estimate undertaken by an external Cost Planner.

As a result of the Master Planning process, the agreed base principles/assumptions for each Active Reserve were as follows:

- The Park (Active Reserve) will continue to be used for both organised sport and passive recreational purposes, consistent with its designation as a Neighbourhood Park;
- The Park (Active Reserve) will continue to accommodate use by both junior and senior sports;
- Facility hire will continue to be managed by the City through its existing facility booking system and guided by the City's Facility Hire policy; and
- The Active Reserve (playing field) will continue to be of a multi-purpose nature primarily (but not exclusively) providing for AFL, cricket, rectangular field sports (soccer and rugby) and diamond sports.

Master Planning Outcomes

A summary of the Master Planning Outcomes is included within **(Attachment 3)**. In total 14 separate Active Reserves were included within the process (this included the Montrose Park Tennis Facility) with a total of 89 individual infrastructure projects being identified. Based on the external Cost Planner report, the total estimated cost of the upgrades identified has been put at \$17.2M.

It should be noted that this is significantly more than the initial preliminary Order of Cost estimate of \$7.2M, which was reported to the Reference Group at its meeting held on 8 December 2014. Upon initial review by Administration the cost difference relates to increased allowances for contingencies, professional fees and cost escalations, in addition to increased revised estimates for the individual projects. These estimates will be further reviewed and refined as a part of the implementation of each of the individual projects.

The resulting draft Master Plans for each of the identified Active Reserves have been included for information within **(Attachment 4)**.

A summary of outcomes based on infrastructure type has been included in **(Attachment 5)**. The range of projects is quite diverse and includes upgrades to existing toilets and changerooms, a new sports amenities building, floodlighting installations, hard court upgrades, new or extension of existing path networks and the installation of outdoor fitness equipment. The largest number of projects includes floodlighting (12), path networks (12), Building Audits/refurbishment of toilets and changerooms (11), outdoor fitness equipment (8), and car park extensions/upgrades (7).

Terms of Reference

In terms of the Reference Group's Aims and Functions **(Attachment 1)**, the following outcomes have been achieved:

- Item 1.1 – Master Plan for Hudson Park

At its meeting held on 8 October 2014, the Reference Group supported the following Administration Recommendations:

“That the South Ward Community Reference and Sporting User Group:-

City of Wanneroo Active Reserves Master Plan

1. *ENDORSES Administration's prioritisation of infrastructure upgrades for Hudson Park for the 2014/15 financial year, as identified from the Reference Group at its meeting held on 13 August 2014 and to be funded from PR-2960 Hudson Park Infrastructure Upgrades (\$250,000), as follows:*

Year	Financial Year	Item	Preliminary Cost Est.
1	14/15	<i>Design Flood Lighting - Hudson Park;</i>	<i>\$25,000</i>
1	14/15	<i>Design + Construct "Family Area" to support existing playground area;</i>	<i>\$75,000</i>
1	14/15	<i>Design and construct Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network;</i>	<i>\$100,000</i>
1	17/18	<i>Review and Upgrade Security lighting for the car park;</i>	<i>\$40,000</i>
1	14/15	<i>Clearing of the undergrowth to improve passive surveillance;</i>	<i>\$0</i>
	14/15	<i>Total Expenditure</i>	<i>\$240,000</i>

2. *NOTES Administration will commence the development of the required Design Briefs to commence the projects identified in the above recommendation in the current financial year; and*
3. *ENDORSES Administration's list of infrastructure upgrades for Hudson Park to be listed for consideration as part of the City's Active Master Plan – South Zone Report and for consideration within the 2015/16 10 Year Capital Works Budget;*

Year	Financial Year	Item	Preliminary Cost Est.
2	15/16	<i>Construction Flood Lighting - Hudson Park (2)</i>	<i>\$250,000</i>
2	15/16	<i>Design - New change rooms, toilets and showers;</i>	<i>\$80,000</i>
2	15/16	<i>Provision of a backnet for baseball and softball;</i>	<i>\$12,000</i>
2	15/16	<i>Upgrade of the existing cricket nets to include full length netting of the wicket and full length carpet.</i>	<i>\$50,000</i>
	15/16	<i>Total Expenditure</i>	<i>\$342,000</i>
3	16/17	<i>Construct - New change rooms with toilets and showers;</i>	<i>\$780,000</i>
	16/17	<i>Total Expenditure</i>	<i>\$780,000</i>
4	17/18	<i>Conversion of the existing tennis into multipurpose hard courts to include basketball and netball. Courts to be open access to the community with not bookings required;</i>	<i>\$70,000</i>
4	17/18	<i>Installation Outdoor fitness equipment circuit around the perimeter of the park;</i>	<i>\$60,000</i>
4	17/18	<i>Additional car park located on Arnos Way;</i>	<i>\$50,000</i>
	16/17	<i>Total Expenditure</i>	<i>\$220,000"</i>

City of Wanneroo Active Reserves Master Plan

The above prioritisation has been used to inform the development of the draft 2015/16 10 Year Capital Works Budget, with the cost estimates being updated based on the received Cost Report (**Attachment 3**).

- Item 1.2 – Master Plan to Guide the Development of the Balance of Active Reserves Within the South Ward.

(Attachment 6) provides a complete list of the Reference Group’s recommendations as it relates to each of the individual Active Reserves identified within the Terms of Reference.

- Item 1.3 – Consideration of Joint Use Active Reserves with the Department of Education.

At its meeting held on 19 November 2014, the Reference Group noted the following overview of the existing amenities for the DOE schools located within the South Ward.

School Name	Joint Use Agreement in place/conditions	Amenities
Ashdale Primary School	Yes, School maintains the playing field, City responsible for Park amenities	Field 140m x 94m
Lansdale Primary school/Warradale Park	No / Department of Education has a small school oval for use and books the City Active Reserve for lunch time activities and larger events	Field 88m x 70m, synthetic cricket pitch long jump pits
Koondoola Primary School/Koondoola Park	No / Department of Education has a small school oval for use and books the City Active Reserve for lunch time activities and larger events	Field 106m x 56m, 2 basketball courts
Roseworth Primary School/Ferrara Park	No / Department of Education has a small school oval for use and books the City Active Reserve for lunch time activities and larger events	Field 100m x 60m 2 multiuse courts
Madeley Primary School	No/No City Active Reserve located next to the school.	Field 105m x 68m , 2 multi-use courts, 2 cricket training nets, synthetic cricket pitch
Alinjarra Primary School,	No/No City Active Reserve located next to the school.	Field 108m x 50m Synthetic cricket wicket 2 Multiuse Courts 2 Cricket training wickets
Rawlinson Primary School	No/No City Active Reserve located next to the school.	Field 110m x 62m 2 Multiuse Courts
Ashdale senior college	No/No City Active Reserve located next to the school.	Main Field 120mx 100m, Second Field 90m x48m, 2 cricket training nets, 6 multi-use courts
Girrawheen Senior High	No/No City Active Reserve located next to the school.	Main Field 138m x 105m, Second field 83m x 54m 4 multi-use courts

In doing so, the Reference Group noted that Administration will continue to work with the Department of Education in the strategic planning and development of these sites.

Prioritisation of Identified Individual Infrastructure Projects

Project prioritisation for the outcomes of the South Ward Active Reserve Master Planning process has been undertaken using the matrix template and criteria as included within

City of Wanneroo Active Reserves Master Plan

(Attachment 7). The matrix and criteria is based on existing matrices used in the prioritisation of the City's Dry Parks, Shade Structures and Playground upgrades.

The matrix template has been applied to each individual Active Reserve identified within the master planning process, capturing each of the infrastructure upgrades identified by the Reference Group.

The matrix includes seven criteria in total (A1 to A7). A brief outline of each of the matrix criteria is provided below:

A1 - Current level of the reserve on average per week.
<ul style="list-style-type: none"> Captures the current level of use of the Active Reserve, assigning a rating of 5 to the highest level of use and a rating of 1 to the lowest level of use.
A2 - Would additional infrastructure on this reserve increase the current level of use?
<ul style="list-style-type: none"> Captures the impact of the infrastructure upgrade on the future use of the Active Reserve, assigning a rating of 3 for yes and 1 for no.
A3 - SEIFA Index (Advantage & Disadvantage - ID Forecast).
<ul style="list-style-type: none"> The Social Economic Indexes for Areas (SEIFA Index) for Advantage and Disadvantage is taken from the City's ID Forecast modelling, which in turn is based on ABS 2011 data. The index represents relative levels of advantage and disadvantage for each suburb within the City based on the factors of income, education attainment, unemployment and occupation. The average score on the index is 1,000 (based on Australian average – population weighted); therefore a score > 1,000 have a relatively lower level of disadvantage, while scores of < 1,000 have a relatively higher level of relative disadvantage. On this basis a rating of 5 has been given to areas with the lowest score (therefore higher level of disadvantage) and a rating of 1 to areas with the highest score (therefore lower level of disadvantage).
A4 - Prioritisation Rating By South Ward Working Group
<ul style="list-style-type: none"> Captures the existing prioritisation given by the Reference Group/Administration for each individual infrastructure upgrade identified for each Active Reserve. A rating of 5 has been given to the highest priority and a rating of 1 has been given to the lowest priority.
A5 - Supporting amenities on site.
<ul style="list-style-type: none"> Seeks to captures the impact a particular infrastructure upgrade has on the Active Reserve and its existing amenity. A high rating will be given to infrastructure upgrades that complement existing amenities and therefore further enhances provision on that site, where as a lower rating will be provided to infrastructure upgrades that do not.
A6 – Local Planning Policy 4.3 – Public Open Space Development Amenity Assessment
<ul style="list-style-type: none"> Captures the assessment of the proposed infrastructure upgrade against the policy, providing a rating of 3 for items which are identified as minimum development requirements and a rating of 1 for items which are identified as overprovision within the policy.
A7 - Precinct consideration
<ul style="list-style-type: none"> The criterion seeks to reflect the role of the Active Reserve within its precinct (catchment based on suburb or suburbs). If the role of the Active Reserve, or an individual infrastructure upgrade in the Active Reserve, is significant within the precinct, then a higher rating will be applied, compared to an infrastructure upgrade that is of a lower level of significance.

A summary of the matrix scores for all individual infrastructure upgrades identified within South Ward is included in **(Attachments 8)**, and has been used as the basis for the prioritisation of the individual infrastructure upgrades in the development of the draft 2015/16 10 Year Capital Works program. It should be noted, however, that the Hudson Park infrastructure upgrades were considered separately within the development of the draft 2015/16 10 Year Capital Works Budget, given that Hudson Park was considered the first priority within the Terms of Reference.

Finalisation of Master Planning Process

City of Wanneroo Active Reserves Master Plan

It should also be noted that finalising the prioritisation process has been impacted by the lack of advice being provided by the 19 State Sporting Associations who were contacted by Administration requesting the provision of the following key data:

- Relevant strategic planning documentation in relation to the growth of the respective sport and future facility requirements;
- 2014 membership numbers for clubs that are affiliated with the respective Associations and which are based within the City of Wanneroo; and
- Projected membership numbers for those City of Wanneroo based clubs projected forward to 2019 and 2024.

As a consequence, Administration will seek to finalise the City of Wanneroo Active Reserve Master Plan Report (which will be inclusive of the South Ward Active Reserve Master Planning process outcomes) as an interim report. Finalisation will be subject to further demand analysis and discussions with State Sporting Associations and City of Wanneroo Clubs in relation to their strategic plans, future player and membership projections etc. This work will be ongoing and completed prior to the commencement of the 2016/17 budget cycle and reported to Council by December 2015. The outcomes of the Interim Report will be used to guide the 2015/16 budget process.

Note: the recommendations listed in this report refer to the “*City's Sports Fields Master Plan – South Zone draft report*”. This should be read to mean the *City of Wanneroo Active Reserve Master Plan Report – South Ward Draft Report*”.

Consultation

In respect to the work of the Reference Group, the following consultation has been undertaken;

- City wide on-line survey of existing users of the City's Active Reserves in July and August 2014; and
- Direct consultation with South Ward Elected Members and community representatives and user groups, via the Reference Group.

In addition to this, it should be noted that public consultation in relation to the South Ward Active Reserve Master Plan process has yet to occur. It is envisaged that this will take place as a part of the broader public comment process for the consolidated City of Wanneroo Active Reserve Master Plan Report, inclusive of the South, Central and Coastal Wards. This will occur once Council has considered the outcomes of the Central and Coastal Ward processes.

It should also be noted that each individual infrastructure upgrade project will be subject to a separate consultation process at the point of implementation, as guided by the City's Community Engagement Policy.

Comment

By way of summary, the purpose of the Master Plan process has been to:

- Guide the development or re-development (upgrade) of infrastructure;
- Identify current/future uses, levels of use and barriers to use;
- Maximise the flexibility and use of each reserve;
- Provide evidence based need and feasibility to support the proposed upgrades;
- Identify agreed project priorities; and

City of Wanneroo Active Reserves Master Plan

- Inform the City's 10 Year Capital Works Budget.

As a result, the intention of the South Ward Active Reserve Master Planning process has been to identify the specific infrastructure projects required at each of the Active Reserves within the South Ward to meet the needs of the community both now and into the future. The intention has also been to provide an evidence base which assists Council and Administration in making decisions in regards to the funding and timing of projects.

To a large degree the purpose of the Master Planning process has been achieved, however more work is required to be undertaken in the area of demand forecasting and analysis to understand in greater detail when additional infrastructure provision is required and to enable any changes in future uses to be identified and accommodated as a part of the process. This work will require Administration to work directly with the relevant State Sporting Associations and local clubs.

Statutory Compliance

The outcomes of the South Ward Active Reserve Master Planning process are required to be compliant with the South Ward Community Reference and Sporting User Group Terms of Reference (**Attachment 1**).

Strategic Implications

The proposal aligns with the following objective within the Strategic Community Plan 2013 – 2023:

“2 Society - Healthy, safe, vibrant and active communities.

2.2 Healthy and Active People - We get active in our local area and we have many opportunities to experience a healthy lifestyle.”

Risk Management Considerations

Nil

Policy Implications

The Active Reserve Master Planning process undertaken by the Reference Group has considered the City's Local Planning 4.3 Public Open Space Policy, City's Floodlighting Policy and the City's Facility Hire and Use Policy.

Implementation of the outcomes of the process will also need to consider the City's Community Engagement Policy.

Financial Implications

As identified earlier in this report the outcomes of the South Ward Active Reserve Master Planning process undertaken by the Reference group has been used to inform the development of the 2015/16 10 Year Capital Works Program, with work continuing on finalising demand analysis and discussions with State Sporting Associations and City of Wanneroo Clubs in relation to their strategic plans. This work will be ongoing and completed prior to the commencement of the 2016/17 budget cycle. The outcomes of the Interim Report will be used to guide the 2015/16 budget process.

City of Wanneroo Active Reserves Master Plan

As identified within **Attachment 3**, the total cost of the identified upgrades has been put at \$17.2M, acknowledging that further work is to be undertaken in the review of the cost estimates provided.

This is a significant commitment and further work will need to occur in developing a funding model for the implementation of the identified works in a sustainable manner, in particular in light of the City's current and future commitments in the provision of infrastructure of this nature.

Voting Requirements

Simple Majority

Recommendation

That Council:-

1. **NOTES** the completion of the South Ward Active Reserve Master Planning process by the South Ward Community Reference and Sporting User Group to an Interim Report stage, subject to the completion of demand forecasting and analysis with State Sporting Associations and City of Wanneroo Clubs within the South Ward;
2. **NOTES** that a further report will be presented to Council by December 2015 to table the final report for the City of Wanneroo Active Reserve Master Plan, inclusive of the outcomes from the Master Planning process for the South, Central and Coastal Wards;
3. **ENDORSES** the South Ward Community Reference and Sporting User Group's recommended prioritisation of infrastructure upgrades for Hudson Park as follows:

"That the South Ward Community Reference and Sporting User Group:-

- a. **ENDORSES** Administration's prioritisation of infrastructure upgrades for Hudson Park for the 2014/15 financial year, as identified from the Reference Group at its meeting held on 13 August 2014 and to be funded from PR-2960 Hudson Park Infrastructure Upgrades (\$250,000), as follows:

Year	Financial Year	Item	Preliminary Cost Est.
1	14/15	<i>Design Flood Lighting - Hudson Park;</i>	\$25,000
1	14/15	<i>Design + Construct "Family Area" to support existing playground area;</i>	\$75,000
1	14/15	<i>Design and construct Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network;</i>	\$100,000
1	17/18	<i>Review and Upgrade Security lighting for the car park;</i>	\$40,000
1	14/15	<i>Clearing of the undergrowth to improve passive surveillance;</i>	\$0
	14/15	Total Expenditure	\$240,000

- b. **NOTES** Administration will commence the development of the required Design Briefs to commence the projects identified in the above recommendation in the current financial year; and

City of Wanneroo Active Reserves Master Plan

- c. **ENDORSES Administration's list of infrastructure upgrades for Hudson Park to be listed for consideration as part of the City's Active Master Plan – South Zone Report and for consideration within the 2015/16 10 Year Capital Works Budget;**

Year	Financial Year	Item	Preliminary Cost Est.
2	15/16	Construction Flood Lighting - Hudson Park (2)	\$250,000
2	15/16	Design - New change rooms, toilets and showers;	\$80,000
2	15/16	Provision of a backnet for baseball and softball;	\$12,000
2	14/15	Upgrade of the existing cricket nets to include full length netting of the wicket and full length carpet.	\$50,000
	15/16	Total Expenditure	\$342,000
3	16/17	Construct - New change rooms with toilets and showers;	\$780,000
	16/17	Total Expenditure	\$780,000
4	17/18	Conversion of the existing tennis into multipurpose hard courts to include basketball and netball. Courts to be open access to the community with not bookings required;	\$70,000
4	17/18	Installation Outdoor fitness equipment circuit around the perimeter of the park;	\$60,000
4	17/18	Additional car park located on Arnos Way;	\$50,000
	16/17	Total Expenditure	\$220,000"

4. **ENDORSES the South Ward Community Reference and Sporting User Group's recommended prioritisation of infrastructure upgrades for Girrawheen Active Reserves as follows;**

"That the South Ward Community Reference and Sporting User Group:-

- a. **ENDORSES Administration's prioritisation of infrastructure upgrades for Liddell Park, as identified from the Reference Group meeting held on 10 September 2014, as follows;**

Item	Indicative Cost	Priority
Floodlighting of the active reserve (playing field) to large ball sport training level;	\$250,000	1
Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting;	\$66,990	2
Games for kids which can incorporated into the landscaping of the park – e.g Hop scotch, counting caterpillar	\$20,000	3
Audit - building refurbishment to the existing amenities building on site;	\$10,000	4
Additional car park located on Liddell Street;	\$50,000	5
Installation of Automated toilets	\$30,000	6
Outdoor fitness circuit around the perimeter of the park;	\$36,000	7
Resurfacing of the existing active reserve – including new irrigation, re-levelling and re-turfing;	\$615,000	8

City of Wanneroo Active Reserves Master Plan

Total	\$1,077,990	
--------------	--------------------	--

- b. **ENDORSES Administration's prioritisation of infrastructure upgrades for Blackmore Park, as identified from the Reference Group meeting held on 10 September 2014, as follows;**

Item	Indicative Cost	Priority
<i>Floodlighting of the active reserve (playing field) to large ball sport training level;</i>	<i>\$250,000</i>	<i>1</i>
<i>Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting</i>	<i>\$70,290</i>	<i>2</i>
<i>Installation of Shade sails over existing playground equipment</i>	<i>\$15,000</i>	<i>3</i>
<i>Refurbishment of the cricket nets;</i>	<i>\$45,000</i>	<i>4</i>
<i>Refurbishment of 3 on 3 basketball facilities</i>	<i>\$20,000</i>	
<i>Installation of BBQ and Gazbo area within the park boundaries;</i>	<i>\$35,000</i>	<i>5</i>
<i>Kids racetrack</i>	<i>\$7,500</i>	<i>6</i>
<i>Outdoor fitness circuit around the perimeter of the park</i>	<i>\$36,000</i>	<i>7</i>
<i>Installation of Water Park themes and play activities to support existing on site play amenities</i>	<i>\$100,000</i>	<i>8</i>
Total	\$578,790	

- c. **ENDORSES Administration's prioritisation of infrastructure upgrades for Ferrara Park, as identified from the Reference Group meeting held on 10 September 2014, as follows;**

Item	Indicative Cost	Priority
<i>Floodlighting of the active reserve (playing field) to large ball sport training level;</i>	<i>\$250,000</i>	<i>1</i>
<i>Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting</i>	<i>\$65,010</i>	<i>2</i>
<i>Installation of Shade sails over existing playground equipment</i>	<i>\$15,000</i>	<i>3</i>
<i>Refurbishment of the cricket nets and 3 on 3 basketball facilities</i>	<i>45,000</i>	<i>4</i>
<i>Review layout of the existing playground equipment locations</i>	<i>Undertaken by Administration</i>	<i>5</i>
<i>Audit - building refurbishment (change rooms).</i>	<i>\$10,000</i>	<i>6</i>
<i>Installation of History plaques around the playground commemorating historical achievements</i>	<i>\$25,000</i>	<i>7</i>
Total	\$410,010	

- d. **ENDORSES Administration's prioritisation of infrastructure upgrades for Hainsworth Park, as identified from the Reference Group meeting held on 10 September 2014, as follows;**

Item	Indicative Cost	Priority
<i>Floodlighting of the active reserve (playing field) to large ball sport training level;</i>	<i>\$250,000</i>	<i>1</i>
<i>Path network around the perimeter of the park, providing connections to the active reserve and</i>	<i>\$73,260</i>	<i>2</i>

City of Wanneroo Active Reserves Master Plan

<i>other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting;</i>		
<i>Outdoor fitness circuit around the perimeter of the park;</i>	\$36,000	3
<i>Refurbishment of the multiuse courts</i>	\$50,000.	4
<i>Upgrade/refurbishment of existing skate park facility – Design;</i>	\$20,000	5
<i>Children made stepping stone pathway for play</i>	\$100,000	6
<i>Installation of park signage</i>	Maint. Budget	N/A
Total	\$532,260	

- e. **ENDORSES Administration's prioritisation of infrastructure upgrades for Montrose Park, as identified from the Reference Group meeting held on 10 September 2014, as follows;**

Item	Indicative Cost	Priority
<i>Car park line marking</i>	\$2,000	1
<i>Building Refurbishment – Audit</i>	\$10,000	2
Total	\$12,000	

- f. **ENDORSES Administration's prioritisation of infrastructure upgrades for the Liddell, Blackmore, Ferrara, Hainsworth and Montrose Parks to be included in the City's Sports Fields Master Plan – South Zone draft report.”**

5. **ENDORSES the South Ward Community Reference and Sporting User Group's recommended prioritisation of infrastructure upgrades for Koondoola Active Reserves as follows;**

“That the South Ward Community Reference and Sporting User Group:-

- a. **ENDORSES Administration's prioritisation of infrastructure upgrades for Koondoola Park, as identified from the Reference Group meeting held on 10 September 2014, as follows;**

Item	Indicative Cost	Priority
<i>Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting;</i>	\$73,260	1
<i>Floodlighting of the active reserve (playing field) to large ball sport training level;</i>	\$250,000	2
<i>Outdoor fitness circuit around the perimeter of the park;</i>	\$36,000	3
<i>Children made stepping stone pathway; and</i>	\$100,000	4
<i>Additional car park located on Burbridge Avenue</i>	\$50,000.	5
<i>Consideration for a water playground amenities</i>	\$200,000	6
<i>Community Garden</i>	Operating Budget	N/A
Total	\$1,009,260	

- b. **ENDORSES Administration's prioritisation of infrastructure upgrades for Butterworth Park, as identified from the Reference Group meeting held on 10 September 2014, as follows;**

Item	Indicative Cost	Priority
<i>Fencing of the playground area</i>	\$5,400	1

City of Wanneroo Active Reserves Master Plan

<i>Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting</i>	\$70,290	2
<i>Refurbishment of the multi-use facilities, to include netball goals ;</i>	\$70,000	3
<i>Floodlighting of the active reserve (playing field) to large ball sport training level;</i>	\$250,000	4
<i>Audit - Refurbishment of the Amenities building;</i>	\$10,000	5
Total	\$405,690	

- c. **ENDORSES Administration's prioritisation of infrastructure upgrades for Shelvock Park, as identified from the Reference Group meeting held on 10 September 2014, as follows;**

Item	Indicative Cost	Priority
<i>Fencing along Marangaroo drive</i>	\$9,450	1
<i>Drink fountain</i>	\$3,000	2
<i>Upgrade change rooms to include an uncovered area Amenities building refurbished and storage area to be considered</i>	\$10,000	3
<i>Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting</i>	\$65,010	4
<i>BBQ and seating area</i>	\$35,000	5
<i>Exercise circuit+ plus lighting</i>	\$36,000	6
<i>Additional car park located on Callison Street</i>	\$50,000	7
Total	\$458,460	

- d. **ENDORSES Administration's prioritisation of infrastructure upgrades for the Koondoola Park, Butterworth Park and Shelvock Park to be included in the City's Sports Fields Master Plan – South Zone draft report;”**

6. **ENDORSES the South Ward Community Reference and Sporting User Group’s recommended prioritisation of infrastructure upgrades for Alexander Heights Active Reserves as follows;**

•
“That the South Ward Community Reference and Sporting User Group:-

- a. **ENDORSES Administration's prioritisation of infrastructure upgrades for Alexander Heights Park, as identified from the Reference Group meeting held on 8 October 2014, as follows;**

Item	Indicative Cost	Priority
<i>Outdoor fitness circuit around the perimeter of the park;</i>	\$36,000	1
<i>Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting;</i>	\$95,260	2
<i>Disc Golf</i>	\$25,000	3
<i>Clearing of undergrowth on perimeter of the Park.</i>	<i>Maintenance budget</i>	4
<i>Combination goals</i>	<i>Maintenance</i>	5

City of Wanneroo Active Reserves Master Plan

	<i>budget</i>	
<i>Maintenance of existing lighting</i>	<i>Maintenance budget</i>	6
<i>Total</i>	<i>\$156,260</i>	

- b. **ENDORSES Administration's prioritisation of infrastructure upgrades for Highview Park, as identified from the Reference Group meeting held on 8 October 2014, as follows;**

<i>Item</i>	<i>Indicative Cost</i>	<i>Priority</i>
<i>Extension of the playing field to the east (require clearing of some bushland);</i>	<i>\$50,000</i>	<i>1</i>
<i>Floodlighting of the active reserve (playing field) to small ball sport training level;</i>	<i>\$250,000</i>	<i>2</i>
<i>Additional storage facilities to the existing changeroom/toilet block;</i>	<i>\$10,000</i>	<i>3</i>
<i>Relocate 3 on 3 basketball court to the south east corner of the Park.</i>	<i>\$60,000</i>	<i>4</i>
<i>Multi purpose play opportunities</i>	<i>Maintenance budget</i>	<i>5</i>
<i>Total</i>	<i>\$578,790</i>	

- c. **ENDORSES Administration's prioritisation of infrastructure upgrades for the Alexander Heights Park and Highview Park to be included in the City's Sports Fields Master Plan – South Zone draft report;”**

7. **ENDORSES the South Ward Community Reference and Sporting User Group's recommended prioritisation of infrastructure upgrades for Marangaroo Active Reserves as follows:**

- a. **“ENDORSES Administration's prioritisation of infrastructure upgrades for Cabrini Park, as identified from the Reference Group meeting held on 8 October 2014, as follows;**

<i>Item</i>	<i>Indicative Cost</i>	<i>Priority</i>
<i>Path network around the perimeter of the park, providing connections to the active reserve and other infrastructure in place, and with the provision of park benches on the path network with supporting security lighting;</i>	<i>\$76,670</i>	<i>1</i>
<i>Floodlighting of the active reserve (playing field) to large ball sport training level;</i>	<i>\$150,000</i>	<i>2</i>
<i>Building audit for the existing amenities building.</i>	<i>\$10,000</i>	<i>3</i>
<i>Total</i>	<i>\$236,6700</i>	

- b. **ENDORSES Administration's prioritisation of infrastructure upgrades for John Maloney Park, as identified from the Reference Group meeting held on 8 October 2014, as follows;**

<i>Item</i>	<i>Indicative Cost</i>	<i>Priority</i>
<i>Floodlighting of the active reserve (playing field) to small ball sport training level;</i>	<i>\$350,000</i>	<i>1</i>
<i>Relocate 3 on 3 basketball</i>	<i>\$60,000</i>	<i>2</i>
<i>Floodlighting on the active reserve (eastern oval)</i>	<i>\$250,000</i>	<i>3</i>

City of Wanneroo Active Reserves Master Plan

<i>to large ball sport training level;</i>		
<i>Building audit/ storage</i>	<i>\$10,000</i>	<i>4</i>
<i>Path network</i>	<i>\$88,770</i>	<i>5</i>
<i>Relocation of cricket practise wickets</i>	<i>\$45,000</i>	<i>6</i>
<i>Rangers after hour access to car park and around the building</i>	<i>Operational</i>	<i>7</i>
<i>Drink fountain</i>	<i>\$4,000</i>	<i>8</i>
<i>Improved turf maintenance</i>	<i>Maintenance budget</i>	<i>N/A</i>
<i>Improved passive surveillance</i>	<i>Operational and Maintenance Budget</i>	<i>N/A</i>
<i>Clearing of vegetation/undergrowth</i>	<i>Maintenance Budget</i>	<i>N/A</i>
<i>Playground – swings /upgrade; and</i>	<i>Playground Renewal to occur in 2014/15 financial year</i>	<i>N/A</i>
<i>Removal of the clothing bins</i>	<i>Operational</i>	<i>N/A</i>
<i>Total</i>	<i>\$891,832.00</i>	

- c. **ENDORSES Administration's prioritisation of infrastructure upgrades for Paloma Park, as identified from the Reference Group meeting held on 8 October 2014, as follows;**

<i>Item</i>	<i>Indicative Cost</i>	<i>Priority</i>
<i>Floodlighting of the active reserve (playing field) to large ball sport training level;</i>	<i>\$250,000</i>	<i>1</i>
<i>Installation of 3 on 3 basketball court near the skate park</i>	<i>\$60,000</i>	<i>2</i>
<i>Playground upgrade</i>	<i>\$45,000</i>	<i>3</i>
<i>Building audit</i>	<i>\$ 10,000</i>	<i>4</i>
<i>Exercise equipment – priority area</i>	<i>\$36,000</i>	<i>5</i>
<i>Relocate cricket nets</i>	<i>\$45,000</i>	<i>6</i>
<i>Path network</i>	<i>\$160,930</i>	<i>7</i>
<i>Clearing of vegetation undergrowth</i>	<i>Maintenance</i>	<i>N/A</i>
<i>Total</i>	<i>\$606,930.00</i>	

- d. **ENDORSES Administration's prioritisation of infrastructure upgrades for the Cabrini Park, John Maloney Park and Paloma Park to be included in the City's Sports Fields Master Plan – South Zone draft report;” and**
8. **NOTES the prioritisation outcomes for the infrastructure upgrade projects identified as per Attachment 8 of this report.**

City of Wanneroo Active Reserves Master Plan

Attachments:

- | | | | |
|----|---|-----------|----------------|
| 1. | <i>South Ward Community Reference and Sporting User Group - Terms of Reference</i> | 14/64046 | |
| 2. | <i>Project Methodology and Meeting Schedule Agendas</i> | 14/218063 | |
| 3. | <i>Active Reserves Master Plans South Costing Attachment 3</i> | 15/32829 | |
| 4. | <i>South Ward Active Reserve Master Plans</i> | 15/109736 | |
| 5. | <i>Project Summary - South Ward Active Reserve Master Plan</i> | 15/104656 | |
| 6. | <i>South Ward Active Reserve Master Planning Process – Summary of Endorsed Outcomes</i> | 14/360543 | |
| 7. | <i>Prioritisation Matrix Template</i> | 15/28536 | |
| 8. | <i>Sth Ward Ref Group - Infrastructure Projects Prioritisation Matrix .xlsx</i> | 14/347090 | <i>Minuted</i> |

Refer to original Council Report for attachments associated with this report.

City of Wanneroo Active Reserves Master Plan

Attachment 6 - Prioritisation Matrix

Active Res Name:		Ward:					Project A	Project B	Project C
Criteria Description	RATING	5	4	3	2	1			
A Primary Criteria To Determine Priority of Infrastructure Upgrades on Active Reserves									
A1	What is the current level of use per week on average over a year on the reserve?	30hrs+	>30hrs	>20hrs	>10hrs	>5hrs	Score	Score	Score
A2	Would adding this additional infrastructure to this reserve increase the currently level of use?			Yes		No	Score	Score	Score
A3	SEIFA Index (ADV & Disad - ID Forecast)	800-899	900-999	1000-1099	1100-1199	1200-1299	Score	Score	Score
A4	Prioritisation Rating By South Ward Working Group/Administration	Rated 1	Rated 2	Rated 3	Rated 4	Rated 5 or below	Score	Score	Score
A5	Supporting amenities on site	community centre, senior size afl and cricket playing field, clubrooms, changerooms, car parking, playground, operational kitchen	Clubrooms, changerooms, senior playing afl and cricket fields, toilet block, car parking, playground	Community Centre, junior playing fields, toilet block, changerooms, car parking, playground	changerooms, storage, junior playing afl and senior cricket fields, toilet block, car parking, playground	toilet block, playing field, playground	Score	Score	Score
A6	Local Planning Policy 4.3 - Public Open Space Development Amenity Assessment			Minimum Development Requirement		Overprovision	Score	Score	Score
A7	Precinct consideration	Significant benefit		Some benefit		Neutral benefit	Score	Score	Score
Total Primary Criteria							0	0	0

Attachment 7 - South Ward Summary Project Listings

Summary Project Listings
South Ward

Active Reserve	Work Description	YEAR																	
		1 (2015/16)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Hudson Park	Main Amenities building	Design	Detail Design and Construct Stage 1	Construct Stage 2															
	Rain networks	Construct																	
	Hard Courts	Construct																	
	Cricket Infrastructure	Construct																	
	Fitness Equip.			Install															
John Maloney Park	Sport Floodlight			Design	Construct														
	Main Amenities building							Concept Design	Detail Design and Construct Stage 1	Construct Stage 2									
	Path networks										Construct								
	Hard Courts		Construct																
	Cricket Infrastructure		Construct																
	Drink fountains		Install																
Koondoola Park	Sport Floodlight					Design	Construct												
	Path networks		Construct																
	Fitness Equip.			Install															
Shellock Park	Car Park							Design	Construct										
	Main Amenities building				Concept Design	Detail Design and Construct Stage 1	Construct Stage 2												
	Path networks									Construct									
	Drink fountains		Install																
	Fitness Equip.						Install												
	Fencing		Construct																
Hainsworth Park	Sport Floodlight				Design	Construct													
	Main Amenities building										Concept Design	Detail Design and Construct Stage 1	Construct Stage 2						
	Path networks				Construct														
	Hard Courts				Construct														
	Fitness Equip.		Install																
Butterworth Park	Sport Floodlight									Design	Construct								
	Main Amenities building											Concept Design	Detail Design and Construct Stage 1	Construct Stage 2					
	Path networks			Construct															
	Hard Courts				Construct														
	Fencing			Construct															
Montrose Park	Main Amenities building					Concept Design	Detail Design and Construct Stage 1	Construct Stage 2											
Paloma Park	Sport Floodlight					Design	Construct												
	Main Amenities building									Concept Design	Detail Design and Construct Stage 1	Construct Stage 2							
	Path networks	Construct																	
	Hard Courts			Construct															
	Cricket Infrastructure			Construct															
	Fitness Equip.	Install																	

Attachment 7 - South Ward Summary Project Listings

Summary Project Listings
South Ward

Active Reserve	Work Description	YEAR																	
		1 (2015/16)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Ferrara Park	Sport Floodlight						Design	Construct											
	Main Amenities building													Concept Design	Detail Design and Construct Stage 1	Construct Stage 2			
	Path networks					Construct													
	Hard Courts							Construct											
	Cricket Infrastructure				Construct														
Alexander Heights Park	Path networks							Construct											
	Fitness Equip.				Construct														
Blackmore Park	Sport Floodlight							Design	Construct										
	Path networks						Construct												
	Hard Courts								Construct										
	Cricket Infrastructure					Construct													
	Fitness Equip.					Install													
Highview Park	Sport Floodlight							Design	Construct										
	Main Amenities building																Concept Design	Detail Design and Construct Stage 1	Construct Stage 2
	Hard Courts						Construct												
Liddell Park	Car Park									Design	Construct								
	Sport Floodlight						Design	Construct											
	Main Amenities building													Concept Design	Detail Design and Construct Stage 1	Construct Stage 2			
	Path networks												Construct						
	Fitness Equip.								Install										
Cabrin Park	Sport Floodlight									Design	Construct								
	Main Amenities building														Concept Design	Detail Design and Construct Stage 1	Construct Stage 2		
	Path networks								Construct										

Attachment 8 - Central Ward Summary Project Listings

Summary Project Listings Central Ward

Active Reserve	Work Description	YEAR											
		1 (2015/16)	2	3	4	5	6	7	8	9	10	11	12
Lake Joondalup	Car Park	Detail Design		Construct									
	Sport Floodlight	Design & construct											
	Main Amenities building												
	Minor Upgrade Amenities build.		Detail Design	Construct									
Edgar Griffiths	Car Park												
	Scheme Water Supply	Constuct											
	Sport Floodlight									Design	Construct		
	Main Amenities building	Concept Design				Detail design & Construct Stage 1	Construct Stage 2						
	Oval extension					Design	Construct						
Drink fountains	Install												
Showgrounds	AFL goal seelves and posts	Install											
	Car Park	Design & construct											
Scenic Park	Car Park								Design	Construct			
	Sport Floodlight								Design	Construct			
	Main Amenities building							Concept	Detail Design, Stage 1	Construct Stage 2			
	Drink fountains			Install									
Peridot Park	Car Park												
	Sport Floodlight								Design	Construct			
	Main Amenities building									Concept	Detailed Design, Stage 1	Construct Stage 2	
	Path networks												Construct
	Drink fountains			Install									
Bench seating & signage		Construct											
Houghton Park	Path networks		Construct										
	Drink fountain		Install										
	Bench seating & signage		Construct										
	Additional Rubbish Bins		Construct										
Jimbub Swamp Park	Hard Courts								Construct				
	Changerooms, car parking and floodlighting	Design	Construct										
	Sub-Soil Drainage	Install											
Banksia Grove	Sports Floodlighting	Design	Construct										
	Main Amenities Building	Design	Construct	Construct									

16/175974

Attachment 9 - North Coast Ward Summary Project Listings

Summary Project Listings North Coast Ward

Active Reserve	Work Description	YEAR											
		1 (2015/16)	2	3	4	5	6	7	8	9	10	11	12
Gumblossom Park	Car Park			Design	Construct								
	Sport Floodlight		Design	Construct									
	Multipurpose Amenities build.	Detail Design	Construct										
	Fencing	Construct											
Addison Park	Sport Floodlight		Design	Construct									
	Minor Upgrade Amenities build.				Detail Design	Construct							
	Drink fountains				Install								
Belhaven Park	Sport Floodlight			Design	Construct								
	Main Amenities building		Concept Design	Detail Design and Construct Stage 1	Construct Stage 2								
	Drink fountains				Install								
Abbeville Park	Sport Floodlight			Design	Construct								
	Minor Upgrade Amenities build.			Detail Design	Construct								
Dalvik Park	Car Park						Design	Construct					
	Sport Floodlight											Design	Construct
	Main Amenities building								Concept Design	Detail Design and Construct Stage 1	Construct Stage 2		
Ridgewood Reserve	Car Park				Design	Construct							
	Multipurpose Amenities build.		Detail Design	Construct									
	Sport Floodlight						Design	Construct					
Anthony Waring Park	Minor Upgrade Amenities build.					Detail Design	Construct						
	Drink fountains				Install								
Richard Aldersea Park	Sport Floodlight							Design	Construct				
	Minor Upgrade Amenities build.					Detail Design	Construct						
Yanchep Active Open Space	Oval Works		Construct			Acquire land							
	Sports Amenities Building		Construct										
Chamwood Park	Sport Field Masterplan			Masterplan									

16/175974

Attachment 10 - South Ward Prioritisation

ITEM	RANK	PARK	SCORE
Building Audit	1	Shelvock Park	21
	2	Hudson Park	21
	3	Montrose Tennis Courts	20
	4	John Maloney	19
	5	Paloma Park	19
	6	Hainsworth Park	17
	7	Butterworth	17
	8	Ferrara Park	16
	9	Cabrini Park	15
	10	Liddell Park	15
	11	Highview Park	15
Car Park Extensions/Upgrades	1	Montrose Park	23
	2	John Maloney Park	22
	3	Butterworth Park	20
	4	Cabrini Park	18
	5	Paloma Park	18
	6	Hainsworth Park	17
	7	Blackmore Park	16
	8	Ferrara Park	16
New Car Park	1	Hudson Park	21
	2	Butterworth Park	20
	3	Shelvock Park	19
	4	Liddell Park	16
Turf /Irrigation Upgrades	1	John Maloney Park	18
	2	Liddell Park	18
Floodlighting large ball sports	1	Hudson Park	25
	2	John Maloney Park	22
	3	Hainsworth Park	21
	4	Ferrara Park	20
	5	Paloma Park	20
	6	Koondoola Park	20
	7	Liddell Park	20
	8	Blackmore Park	18
	9	Highview Park	18
	10	Cabrini Park	16
	11	Butterworth Park	16
Floodlighting small ball sports	1	John Maloney Park	24
Upgrade/Relocation of Hard Courts/3 on 3 Basketball	1	John Maloney Park	23
	2	Paloma Park	23
	3	Hudson Park	21

	4	Hainsworth Park	20
	5	Butterworth Park	18
	6	Highview Park	18
	7	Ferrara Park	17
	8	Blackmore Park	17
Upgrade/Re-locate cricket wickets /nets	1	Hudson Park	21
	2	John Maloney Park	20
	3	Paloma Park	18
	4	Ferrara Park	17
	5	Blackmore Park	17
Baseball/Softball Back net	1	Hudson Park	21
Clearing of Trees	1	Highview Park	21
Drink Fountains	1	Shelvock Park	20
	2	John Maloney Park	20
Security lighting /CCTV	1	Hudson Park	22
Path Network (new or extension) Bench Seating	1	Koondoola Park	25
	2	Hudson Park	23
	3	Butterworth Park	22
	4	Hainsworth Park	22
	5	Ferrara Park	21
	6	Blackmore Park Park	21
	7	Alexander Heights Park	21
	8	Cabrini Park	20
	9	Shelvock Park	20
	10	John Maloney Park	20
	11	Liddell Park	19
	12	Paloma Park	18
Additional BBQs	1	Hudson Park	20
	2	Shelvock Park	15
	3	Blackmore Park	14
Playground Upgrades	1	Paloma Park	18
	2	Liddell Park	18
Outdoor Fitness Equipment	1	Hainsworth Park	23
	2	Koondoola Park	23
	3	Alexander Heights Park	22
	4	Hudson Park	21
	5	Blackmore Park	18
	6	Shelvock Park	17
	7	Paloma Park	16
	8	Liddell Park	16
Playground Shade Sails	1	Ferrara Park	21

	2	Blackmore Park	20
Splash Pad	1	Koondoola Park	15
	2	Liddell Park	14
Upgrade Skate Facilities	1	Hainsworth Park	19
Fencing	1	Shelvock Park	25
	2	Butterworth Park	23
Disc golf	1	Alexander Heights Park	18
Automated toilets	1	Liddell Park	14
Kids racetrack	1	Liddell Park	14
History plaques	1	Ferrara Park	14

Attachment 11 - Central Ward Prioritisation

ITEM	RANK	PARK	SCORE
Buildings			
New/Refurbishment of Toilets & Changerooms	1	Lake Joondalup Park	26
	2	Wanneroo Showgrounds	21
New Sports Amenities Building	1	Edgar Griffiths Park	20
	2	Jimbub Swamp (in CWB)	19
New/Additional Toilets/Changerooms	1	Scenic Park	19
New Additional Storage	1	Peridot Park	25
	2	Houghton Park	24
	3	Edgar Griffiths Park	15
Upgrade Potable Water Supply/Outside water Supply	1	Wanneroo Showgrounds	24
	2	Edgar Griffiths Park	19

Car Parks			
Car Park Extensions/Upgrades	1	Lake Joondalup Park	25
	2	Wanneroo Showgrounds	22
	3	Scenic Park	17
	4	Jimbub Swamp (in CWB)	15

Playing Fields			
Hydrozoning	1	Houghton Park	22
	2	Lake Joondalup Park	19
	3	Peridot Park	17
Turf Upgrades	1	Jimbub Swamp	21
	2	Jimbub Swamp	20
Relocate irrigation boxes	1	Houghton Park	22
Floodlighting large ball sports	1	Lake Joondalup Park	21
	2	Peridot Park	17
	3	Edgar Griffiths Park	16
	4	Scenic Park	14

Passive Park Elements			
Upgrade/Relocation of Hard Courts	1	Jimbub Swamp Park	13
Upgrade/Re-locate cricket wickets /nets	1	Lake Joondalup Park	20
	2	Houghton Park	20
Investigate alternate training space/increase oval size	1	Wanneroo Showgrounds	22
	2	Edgar Griffiths Park	19
Sports Goals/Net/Furniture	1	Houghton Park	28
	2	Wanneroo Showgrounds	25
Maintain Trees	1	Wanneroo Showgrounds	22
Drink Fountains	1	Edgar Griffiths Park	23
	2	Houghton Park	20

	3	Peridot Park	20
	4	Scenic Park	16
Security upgrades/lighting, CCTV	1	Wanneroo Showgrounds	24
Path Network (new or extension) Bench Seating	1	Houghton Park	25
	2	Peridot Park	19
Playground Upgrades	1	Wanneroo Showgrounds (renewal CWB 14/15)	24
	2	Peridot Park	19
Upgrade Skate Facilities	1	Wanneroo Showgrounds (CWB 14/15)	28
Park Interpretative Signage	1	Peridot Park	15
Additional Bins	1	Houghton Park	20
Revegetation	1	Houghton Park	18
	2	Peridot Park	15
Install Power Boxes	1	Peridot Park	18
Resurface Tennis Courts	1	Wanneroo Showgrounds (In CWB)	22

Attachment 12 - Coastal Ward Prioritisation

ITEM	RANK	PARK	SCORE
Buildings			
New/Refurbishment of Toilets & Changerooms	1	Addison	23
	2	Dalvik	22
New Sports Amenities Buildings	1	Belhaven	23
New/Additional Multi-Purpose Room	1	Gumblossom	22
	2	Ridgewood	20
New/Additional Storage	1	Abbeville	23
	1	Ridgewood	23
	3	Addison	22
	3	Belhaven	22
	5	Dalvik	21
	6	Riverlinks	20
	7	Anthony Waring	19
7	Richard Aldersea	19	
Upgrade Tennis Court Shelter	1	Gumblossom	18
Upgrade Portable Water Supply	N/A		

Car Parks			
Car Park Extensions/Upgrades	1	Gumblossom	24
Car Park New	1	Ridgewood	22
	2	Riverlinks	21
	3	Dalvik	20
	4	Anthony Waring	18

Playing Fields/Areas			
Playing Field Extensions	1	Addison	27
	2	Ridgewood	24
Hydrozoning/Irrigation upgrades	1	Gumblossom	27.5
	2	Ridgewood	24
	3	Abbeville	21
	3	Kingsbridge	21
	5	Riverlinks	20
Turf Upgrades	6	Anthony Waring	19
	1	Abbeville	21
	1	Addison	21
	3	Belhaven	20
Synthetic playing surface option	3	Dalvik	20
	1	Gumblossom	23.5
Floodlighting (1) Large Ball Sports	1	Gumblossom	26
	2	Addison	24
	3	Abbeville	22
	4	Richard Aldersea	18

	5	Belhaven	17
	5	Dalvik	17
Sports Goals/Net/Furniture	1	Kingsbridge	18
	1	Ridgewood	18
Site survey	1	Ridgewood	19
Tennis Courts	1	Gumblossom	20

Passive Park Elements			
Drink Fountains	1	Addison	15
	1	Belhaven	15
	3	Anthony Waring	14
Security Upgrades/lighting/CCTV	1	Anthony Waring	22
	2	Gumblossom	21
Bench Seating	1	Abbeville	15
	2	Anthony Waring	14
	2	Dalvik	14
Spectator Seating	1	Gumblossom	16
New/Additional BBQs	1	Addison	15
	2	Anthony Waring	12
New/Additional Bins	1	Ridgewood	18
	2	Anthony Waring	14
New/Upgrade Playground	1	Gumblossom	18
Fencing	1	Gumblossom	16
Water supply	1	Ridgewood	18

Attachment 13 - South Ward Demographics

Alexander Heights - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	507	6.3	492	6.1	498	6.0	-9
5 to 9	469	5.8	482	6.0	497	6.0	+28
10 to 14	524	6.5	476	5.9	506	6.1	-17
15 to 19	611	7.6	554	6.9	544	6.6	-67
20 to 24	693	8.6	612	7.6	601	7.3	-91
25 to 29	621	7.7	616	7.7	612	7.4	-9
30 to 34	487	6.0	542	6.7	568	6.9	+81
35 to 39	513	6.3	524	6.5	557	6.8	+44
40 to 44	565	7.0	573	7.1	570	6.9	+5
45 to 49	648	8.0	600	7.5	621	7.5	-27
50 to 54	694	8.6	615	7.7	597	7.2	-97
55 to 59	579	7.2	592	7.4	552	6.7	-27
60 to 64	393	4.9	477	5.9	502	6.1	+108
65 to 69	311	3.8	337	4.2	401	4.9	+90
70 to 74	208	2.6	253	3.2	277	3.4	+69
75 to 79	135	1.7	160	2.0	195	2.4	+59
80 to 84	81	1.0	75	0.9	88	1.1	+7
85 and over	44	0.5	50	0.6	50	0.6	+6
Total persons	8,084	100.0	8,031	100.0	8,236	100.0	+152

Darch - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	689	9.6	784	9.4	838	9.3	+149
5 to 9	684	9.5	772	9.3	830	9.2	+146
10 to 14	622	8.7	716	8.6	771	8.5	+148
15 to 19	527	7.4	594	7.2	650	7.2	+123
20 to 24	398	5.6	496	6.0	531	5.9	+132
25 to 29	495	6.9	559	6.7	609	6.7	+114
30 to 34	660	9.2	717	8.6	754	8.3	+94
35 to 39	740	10.3	847	10.2	882	9.7	+142
40 to 44	732	10.2	862	10.4	942	10.4	+210
45 to 49	541	7.5	683	8.2	783	8.7	+242
50 to 54	381	5.3	466	5.6	569	6.3	+188
55 to 59	237	3.3	305	3.7	346	3.8	+109
60 to 64	196	2.7	216	2.6	241	2.7	+45
65 to 69	120	1.7	136	1.6	142	1.6	+22
70 to 74	77	1.1	80	1.0	84	0.9	+8
75 to 79	36	0.5	40	0.5	41	0.5	+6
80 to 84	22	0.3	23	0.3	24	0.3	+2
85 and over	13	0.2	14	0.2	14	0.2	+1
Total persons	7,171	100.0	8,308	100.0	9,051	100.0	+1,880

Girrawheen - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	694	7.8	734	7.7	789	7.6	+95
5 to 9	629	7.0	634	6.7	686	6.6	+57
10 to 14	547	6.1	609	6.4	640	6.2	+94
15 to 19	608	6.8	608	6.4	679	6.6	+71
20 to 24	672	7.5	729	7.7	773	7.5	+101
25 to 29	750	8.4	772	8.1	855	8.3	+104
30 to 34	701	7.8	720	7.6	776	7.5	+75
35 to 39	646	7.2	710	7.5	761	7.4	+116
40 to 44	627	7.0	661	7.0	731	7.1	+104
45 to 49	564	6.3	630	6.6	680	6.6	+115
50 to 54	523	5.8	562	5.9	629	6.1	+106
55 to 59	497	5.6	520	5.5	566	5.5	+69
60 to 64	472	5.3	486	5.1	526	5.1	+54
65 to 69	422	4.7	420	4.4	444	4.3	+22
70 to 74	282	3.2	337	3.5	346	3.4	+64
75 to 79	168	1.9	208	2.2	248	2.4	+80
80 to 84	83	0.9	100	1.1	122	1.2	+39
85 and over	61	0.7	64	0.7	70	0.7	+9
Total persons	8,946	100.0	9,504	100.0	10,320	100.0	+1,374

Koondoola - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	312	7.5	311	7.4	322	7.3	+10
5 to 9	375	9.1	330	7.8	342	7.7	-33
10 to 14	320	7.7	374	8.9	360	8.1	+40
15 to 19	323	7.8	326	7.7	374	8.4	+51
20 to 24	283	6.8	283	6.7	291	6.6	+8
25 to 29	247	6.0	252	6.0	262	5.9	+15
30 to 34	306	7.4	271	6.4	287	6.5	-19
35 to 39	287	6.9	317	7.5	311	7.0	+24
40 to 44	316	7.6	301	7.1	337	7.6	+21
45 to 49	233	5.6	279	6.6	279	6.3	+46
50 to 54	209	5.0	204	4.8	240	5.4	+32
55 to 59	192	4.6	196	4.6	198	4.5	+6
60 to 64	235	5.7	197	4.7	208	4.7	-27
65 to 69	216	5.2	218	5.2	200	4.5	-16
70 to 74	136	3.3	183	4.3	189	4.3	+53
75 to 79	86	2.1	105	2.5	139	3.1	+53
80 to 84	52	1.3	58	1.4	67	1.5	+15
85 and over	15	0.4	18	0.4	20	0.5	+5
Total persons	4,141	100.0	4,220	100.0	4,427	100.0	+285

Landsdale - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	746	7.3	1,152	8.0	1,347	8.2	+601
5 to 9	769	7.5	1,077	7.5	1,351	8.3	+582
10 to 14	840	8.2	1,036	7.2	1,229	7.5	+389
15 to 19	857	8.3	1,050	7.3	1,134	6.9	+276
20 to 24	776	7.5	1,064	7.4	1,127	6.9	+351
25 to 29	749	7.3	1,085	7.6	1,179	7.2	+430
30 to 34	806	7.8	1,163	8.1	1,302	8.0	+495
35 to 39	798	7.8	1,202	8.4	1,336	8.2	+538
40 to 44	909	8.8	1,129	7.9	1,320	8.1	+411
45 to 49	890	8.7	1,194	8.3	1,236	7.6	+346
50 to 54	739	7.2	1,057	7.4	1,195	7.3	+456
55 to 59	472	4.6	781	5.4	980	6.0	+508
60 to 64	343	3.3	511	3.6	693	4.2	+350
65 to 69	234	2.3	346	2.4	404	2.5	+170
70 to 74	146	1.4	225	1.6	245	1.5	+98
75 to 79	125	1.2	162	1.1	168	1.0	+43
80 to 84	59	0.6	86	0.6	89	0.5	+30
85 and over	20	0.2	31	0.2	34	0.2	+14
Total persons	10,280	100.0	14,350	100.0	16,370	100.0	+6,090

Marangaroo - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	688	6.3	695	6.4	698	6.4	+11
5 to 9	737	6.7	671	6.2	682	6.2	-55
10 to 14	719	6.5	702	6.4	667	6.1	-52
15 to 19	845	7.7	736	6.7	733	6.7	-112
20 to 24	804	7.3	845	7.7	774	7.1	-30
25 to 29	831	7.6	835	7.7	865	7.9	+33
30 to 34	828	7.5	806	7.4	818	7.5	-10
35 to 39	734	6.7	762	7.0	759	6.9	+25
40 to 44	772	7.0	710	6.5	734	6.7	-38
45 to 49	757	6.9	732	6.7	696	6.4	-61
50 to 54	738	6.7	714	6.5	702	6.4	-36
55 to 59	682	6.2	680	6.2	671	6.1	-12
60 to 64	545	5.0	585	5.4	590	5.4	+45
65 to 69	434	3.9	470	4.3	503	4.6	+69
70 to 74	334	3.0	368	3.4	395	3.6	+61
75 to 79	221	2.0	253	2.3	282	2.6	+61
80 to 84	157	1.4	170	1.6	186	1.7	+30
85 and over	172	1.6	170	1.6	173	1.6	0
Total persons	11,001	100.0	10,903	100.0	10,929	100.0	-72

Attachment 14 - Central Ward Demographics

Ashby - Sinagra Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	508	9.7	644	9.3	755	9.0	+246
5 to 9	387	7.4	554	8.0	673	8.0	+286
10 to 14	298	5.7	433	6.3	558	6.7	+260
15 to 19	293	5.6	382	5.5	480	5.7	+187
20 to 24	364	6.9	470	6.8	550	6.6	+186
25 to 29	521	9.9	643	9.3	744	8.9	+222
30 to 34	555	10.6	680	9.9	785	9.4	+229
35 to 39	452	8.6	638	9.2	743	8.9	+291
40 to 44	369	7.0	522	7.6	684	8.2	+315
45 to 49	288	5.5	407	5.9	530	6.3	+242
50 to 54	227	4.3	314	4.6	414	5.0	+188
55 to 59	168	3.2	248	3.6	326	3.9	+158
60 to 64	194	3.7	218	3.2	267	3.2	+73
65 to 69	183	3.5	222	3.2	249	3.0	+66
70 to 74	169	3.2	206	3.0	234	2.8	+65
75 to 79	134	2.6	156	2.3	178	2.1	+44
80 to 84	101	1.9	117	1.7	132	1.6	+32
85 and over	42	0.8	50	0.7	55	0.7	+12
Total persons	5,253	100.0	6,903	100.0	8,357	100.0	+3,104

Banksia Grove - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	851	11.4	1,328	11.7	1,550	11.5	+698
5 to 9	738	9.9	1,138	10.0	1,368	10.2	+630
10 to 14	617	8.3	987	8.7	1,184	8.8	+568
15 to 19	543	7.3	847	7.4	1,043	7.8	+500
20 to 24	770	10.3	1,098	9.7	1,192	8.9	+421
25 to 29	948	12.7	1,340	11.8	1,434	10.7	+486
30 to 34	789	10.6	1,216	10.7	1,377	10.2	+588
35 to 39	635	8.5	987	8.7	1,225	9.1	+590
40 to 44	476	6.4	759	6.7	1,000	7.4	+524
45 to 49	370	5.0	575	5.1	732	5.4	+363
50 to 54	272	3.6	411	3.6	527	3.9	+255
55 to 59	174	2.3	273	2.4	349	2.6	+175
60 to 64	117	1.6	188	1.6	231	1.7	+113
65 to 69	71	0.9	101	0.9	118	0.9	+47
70 to 74	38	0.5	50	0.4	54	0.4	+15
75 to 79	17	0.2	26	0.2	26	0.2	+9
80 to 84	24	0.3	31	0.3	30	0.2	+6
85 and over	10	0.1	16	0.1	16	0.1	+6
Total persons	7,462	100.0	11,369	100.0	13,456	100.0	+5,994

Carramar - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	582	8.2	635	8.1	686	8.2	+104
5 to 9	625	8.8	659	8.4	716	8.6	+90
10 to 14	631	8.8	659	8.4	696	8.3	+65
15 to 19	587	8.2	614	7.9	633	7.6	+46
20 to 24	455	6.4	481	6.2	493	5.9	+38
25 to 29	419	5.9	481	6.2	501	6.0	+82
30 to 34	508	7.1	539	6.9	579	6.9	+72
35 to 39	595	8.3	633	8.1	656	7.9	+61
40 to 44	696	9.8	707	9.0	735	8.8	+38
45 to 49	642	9.0	730	9.3	739	8.9	+97
50 to 54	471	6.6	595	7.6	666	8.0	+195
55 to 59	303	4.2	408	5.2	498	6.0	+196
60 to 64	239	3.4	265	3.4	317	3.8	+78
65 to 69	162	2.3	180	2.3	192	2.3	+30
70 to 74	109	1.5	116	1.5	119	1.4	+11
75 to 79	70	1.0	68	0.9	70	0.8	0
80 to 84	26	0.4	27	0.3	27	0.3	+1
85 and over	15	0.2	16	0.2	15	0.2	0
Total persons	7,134	100.0	7,812	100.0	8,339	100.0	+1,205

Tapping - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	1,004	10.3	948	9.4	913	9.1	-90
5 to 9	1,049	10.7	1,036	10.3	982	9.8	-66
10 to 14	802	8.2	923	9.2	902	9.0	+100
15 to 19	655	6.7	701	7.0	756	7.6	+102
20 to 24	576	5.9	595	5.9	602	6.0	+26
25 to 29	671	6.9	666	6.6	655	6.6	-16
30 to 34	958	9.8	826	8.2	799	8.0	-159
35 to 39	1,000	10.2	1,033	10.2	937	9.4	-63
40 to 44	1,029	10.5	1,072	10.6	1,078	10.8	+49
45 to 49	677	6.9	849	8.4	870	8.7	+193
50 to 54	459	4.7	500	5.0	583	5.8	+124
55 to 59	287	2.9	298	3.0	306	3.1	+19
60 to 64	201	2.1	199	2.0	197	2.0	-4
65 to 69	159	1.6	154	1.5	150	1.5	-10
70 to 74	122	1.3	126	1.3	122	1.2	-1
75 to 79	73	0.7	79	0.8	79	0.8	+6
80 to 84	43	0.4	44	0.4	44	0.4	+1
85 and over	26	0.3	27	0.3	26	0.3	0
Total persons	9,791	100.0	10,077	100.0	10,001	100.0	+210

Wanneroo - Forecast Age Structure - 5 year age groups

Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	878	6.9	909	6.9	1,382	7.8	+503
5 to 9	780	6.1	826	6.3	1,234	7.0	+454
10 to 14	674	5.3	754	5.8	1,041	5.9	+367
15 to 19	800	6.3	753	5.8	1,013	5.7	+214
20 to 24	922	7.2	913	7.0	1,251	7.1	+329
25 to 29	960	7.5	963	7.4	1,521	8.6	+562
30 to 34	853	6.7	899	6.9	1,402	7.9	+549
35 to 39	778	6.1	830	6.3	1,186	6.7	+408
40 to 44	820	6.4	822	6.3	1,049	5.9	+229
45 to 49	828	6.5	843	6.4	983	5.6	+155
50 to 54	841	6.6	833	6.4	980	5.5	+138
55 to 59	756	5.9	764	5.8	875	4.9	+118
60 to 64	770	6.0	727	5.6	902	5.1	+133
65 to 69	665	5.2	674	5.1	746	4.2	+81
70 to 74	496	3.9	578	4.4	697	3.9	+201
75 to 79	349	2.7	434	3.3	607	3.4	+257
80 to 84	276	2.2	287	2.2	447	2.5	+172
85 and over	303	2.4	286	2.2	391	2.2	+88
Total persons	12,749	100.0	13,096	100.0	17,706	100.0	+4,957

Attachment 15 - North Coast Ward Demographics

Alkimos - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	295	10.0	1,104	11.2	1,822	10.8	1,527
5 to 9	266	9.0	937	9.5	1,629	9.7	1,363
10 to 14	211	7.2	749	7.6	1,354	8.0	1,143
15 to 19	221	7.5	674	6.8	1,169	6.9	948
20 to 24	276	9.4	738	7.5	1,140	6.8	864
25 to 29	325	11.0	1,014	10.3	1,402	8.3	1,077
30 to 34	287	9.8	1,003	10.2	1,595	9.4	1,307
35 to 39	254	8.6	846	8.6	1,518	9.0	1,265
40 to 44	198	6.7	668	6.8	1,232	7.3	1,034
45 to 49	161	5.5	537	5.4	980	5.8	819
50 to 54	123	4.2	453	4.6	810	4.8	688
55 to 59	101	3.4	354	3.6	682	4.0	581
60 to 64	83	2.8	269	2.7	514	3.0	431
65 to 69	60	2.0	206	2.1	391	2.3	331
70 to 74	38	1.3	142	1.4	303	1.8	265
75 to 79	26	0.9	98	1.0	195	1.2	169
80 to 84	15	0.5	56	0.6	111	0.7	97
85 and over	9	0.3	22	0.2	34	0.2	25
Total persons	2,947	100.0	9,868	100.0	16,881	100.0	13,934

Butler - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	1,432	10.6	1,851	10.7	1,887	10.4	+456
5 to 9	1,332	9.9	1,698	9.8	1,796	9.9	+464
10 to 14	1,183	8.8	1,514	8.7	1,614	8.9	+431
15 to 19	1,001	7.4	1,247	7.2	1,325	7.3	+325
20 to 24	940	7.0	1,188	6.9	1,180	6.5	+240
25 to 29	1,228	9.1	1,447	8.4	1,383	7.6	+156
30 to 34	1,309	9.7	1,631	9.4	1,580	8.7	+271
35 to 39	1,233	9.2	1,619	9.4	1,666	9.2	+433
40 to 44	1,163	8.6	1,475	8.5	1,640	9.0	+478
45 to 49	898	6.7	1,226	7.1	1,342	7.4	+444
50 to 54	525	3.9	875	5.1	1,049	5.8	+523
55 to 59	359	2.7	529	3.1	673	3.7	+313
60 to 64	306	2.3	368	2.1	392	2.2	+85
65 to 69	250	1.9	297	1.7	274	1.5	+24
70 to 74	156	1.2	189	1.1	179	1.0	+23
75 to 79	82	0.6	99	0.6	96	0.5	+14
80 to 84	34	0.3	39	0.2	37	0.2	+3
85 and over	19	0.1	21	0.1	19	0.1	0
Total persons	13,451	100.0	17,311	100.0	18,134	100.0	+4,683

Clarkson - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	1,391	10.9	1,610	10.5	1,840	10.5	+449
5 to 9	982	7.7	1,208	7.9	1,375	7.8	+392
10 to 14	797	6.2	972	6.3	1,146	6.5	+349
15 to 19	939	7.3	990	6.5	1,132	6.5	+193
20 to 24	1,102	8.6	1,293	8.4	1,387	7.9	+285
25 to 29	1,328	10.4	1,514	9.9	1,689	9.6	+361
30 to 34	1,247	9.7	1,565	10.2	1,744	10.0	+497
35 to 39	1,115	8.7	1,402	9.1	1,664	9.5	+549
40 to 44	1,085	8.5	1,254	8.2	1,501	8.6	+416
45 to 49	842	6.6	1,096	7.1	1,227	7.0	+385
50 to 54	712	5.6	840	5.5	996	5.7	+284
55 to 59	461	3.6	611	4.0	685	3.9	+225
60 to 64	302	2.4	401	2.6	483	2.8	+181
65 to 69	213	1.7	238	1.6	286	1.6	+74
70 to 74	142	1.1	165	1.1	182	1.0	+40
75 to 79	91	0.7	107	0.7	119	0.7	+27
80 to 84	44	0.3	46	0.3	51	0.3	+7
85 and over	17	0.1	21	0.1	22	0.1	+5
Total persons	12,810	100.0	15,332	100.0	17,528	100.0	+4,718

Merriwa - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	561	9.5	587	9.8	578	9.5	+16
5 to 9	415	7.0	494	8.2	508	8.4	+94
10 to 14	367	6.2	361	6.0	409	6.7	+42
15 to 19	342	5.8	322	5.4	320	5.3	-22
20 to 24	403	6.8	389	6.5	379	6.3	-24
25 to 29	479	8.1	465	7.7	458	7.6	-20
30 to 34	434	7.3	458	7.6	452	7.5	+18
35 to 39	382	6.5	401	6.7	415	6.9	+33
40 to 44	380	6.4	358	6.0	371	6.1	-8
45 to 49	305	5.1	329	5.5	318	5.2	+13
50 to 54	245	4.1	240	4.0	249	4.1	+4
55 to 59	187	3.2	205	3.4	203	3.3	+16
60 to 64	172	2.9	166	2.8	171	2.8	0
65 to 69	185	3.1	185	3.1	184	3.0	-1
70 to 74	252	4.3	254	4.2	255	4.2	+3
75 to 79	280	4.7	272	4.5	273	4.5	-7
80 to 84	260	4.4	260	4.3	260	4.3	0
85 and over	270	4.6	260	4.3	255	4.2	-15
Total persons	5,917	100.0	6,008	100.0	6,059	100.0	+142

Mindarie - Tamala Park - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	418	5.2	485	5.5	547	5.6	+129
5 to 9	595	7.5	625	7.1	703	7.3	+107
10 to 14	745	9.3	729	8.3	775	8.0	+30
15 to 19	738	9.2	778	8.9	803	8.3	+65
20 to 24	482	6.0	509	5.8	550	5.7	+68
25 to 29	239	3.0	324	3.7	349	3.6	+110
30 to 34	291	3.6	352	4.0	419	4.3	+128
35 to 39	517	6.5	570	6.5	658	6.8	+140
40 to 44	824	10.3	786	9.0	880	9.1	+57
45 to 49	861	10.8	921	10.5	965	10.0	+104
50 to 54	666	8.3	764	8.7	842	8.7	+176
55 to 59	412	5.2	563	6.4	645	6.7	+233
60 to 64	364	4.6	427	4.9	517	5.3	+152
65 to 69	312	3.9	345	3.9	391	4.0	+79
70 to 74	202	2.5	230	2.6	259	2.7	+56
75 to 79	133	1.7	156	1.8	175	1.8	+42
80 to 84	88	1.1	93	1.1	103	1.1	+16
85 and over	103	1.3	109	1.2	114	1.2	+11
Total persons	7,991	100.0	8,767	100.0	9,694	100.0	+1,703

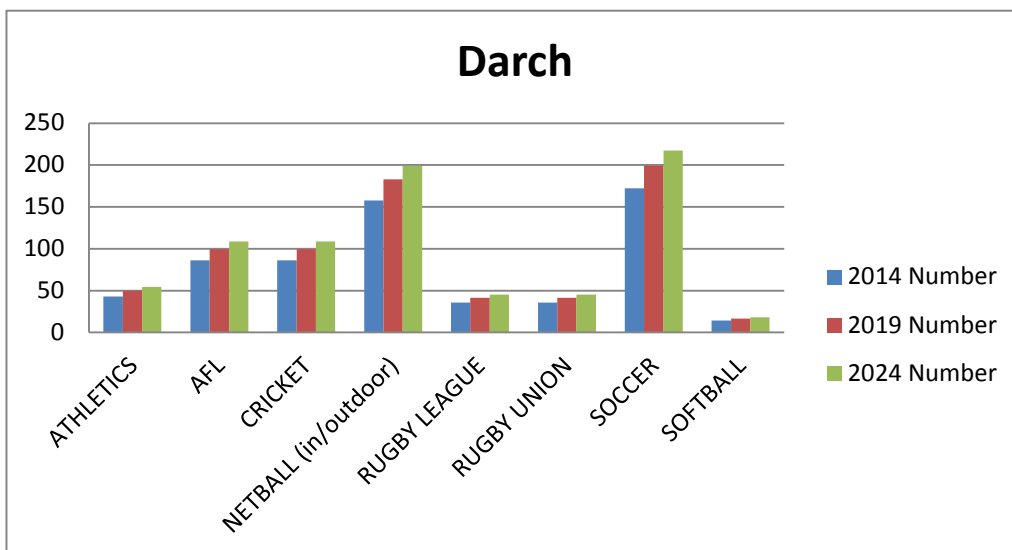
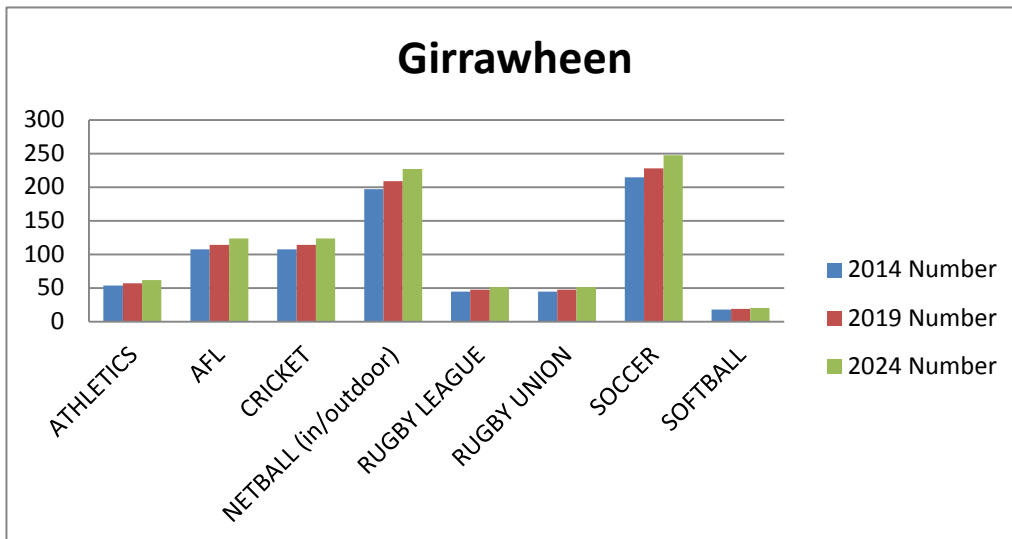
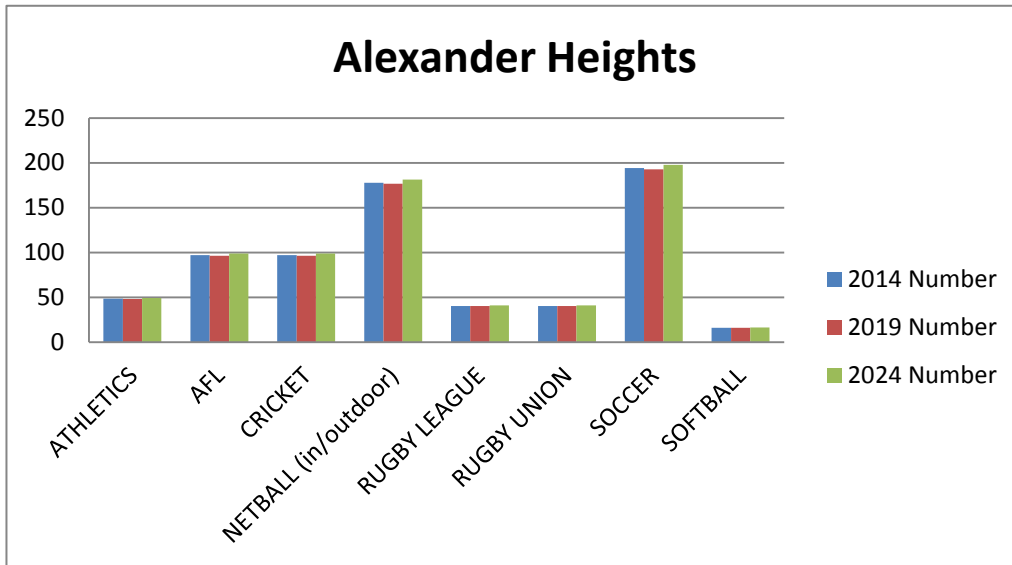
Quinns Rocks - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	772	8.1	774	8.1	781	8.0	+9
5 to 9	819	8.6	822	8.5	827	8.5	+8
10 to 14	796	8.4	832	8.7	843	8.6	+47
15 to 19	840	8.8	755	7.9	781	8.0	-59
20 to 24	653	6.9	663	6.9	624	6.4	-29
25 to 29	547	5.8	611	6.4	616	6.3	+69
30 to 34	566	6.0	613	6.4	648	6.6	+83
35 to 39	724	7.6	699	7.3	728	7.4	+4
40 to 44	937	9.9	806	8.4	786	8.0	-151
45 to 49	847	8.9	878	9.1	808	8.2	-39
50 to 54	662	7.0	749	7.8	773	7.9	+111
55 to 59	446	4.7	532	5.5	617	6.3	+170
60 to 64	318	3.3	327	3.4	403	4.1	+84
65 to 69	231	2.4	222	2.3	227	2.3	-4
70 to 74	156	1.6	150	1.6	149	1.5	-7
75 to 79	103	1.1	99	1.0	99	1.0	-5
80 to 84	55	0.6	53	0.5	52	0.5	-3
85 and over	31	0.3	30	0.3	29	0.3	-2
Total persons	9,504	100.0	9,615	100.0	9,792	100.0	+287

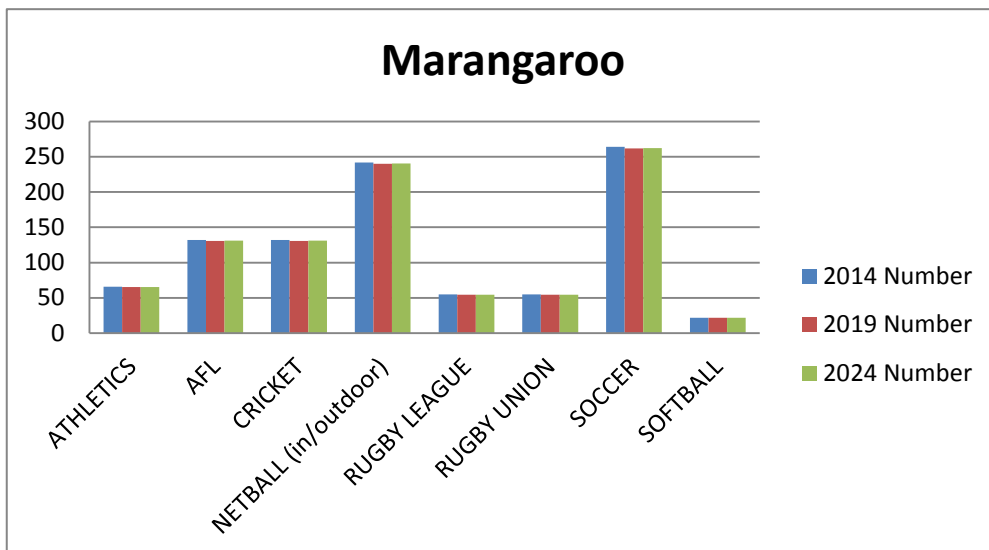
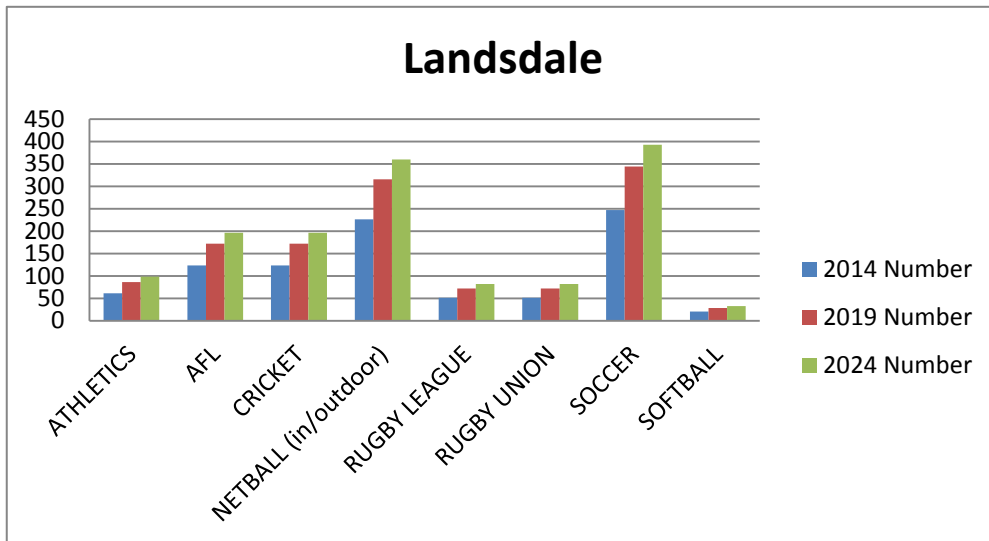
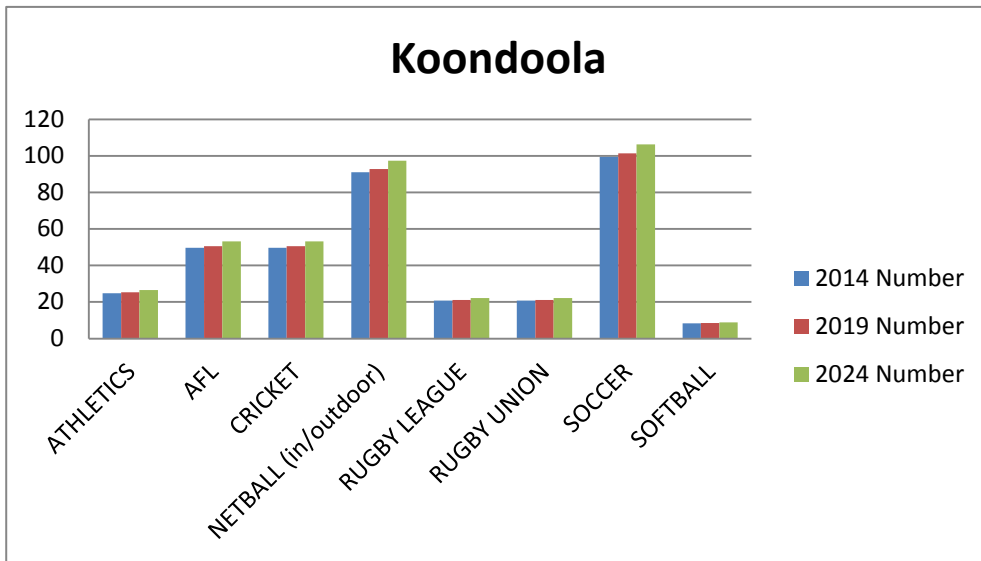
Ridgewood - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	474	10.2	474	9.8	457	9.6	-17
5 to 9	397	8.5	470	9.8	453	9.5	+56
10 to 14	342	7.4	386	8.0	419	8.8	+77
15 to 19	318	6.8	320	6.6	334	7.0	+16
20 to 24	351	7.6	317	6.6	305	6.4	-47
25 to 29	399	8.6	392	8.1	358	7.5	-40
30 to 34	435	9.4	452	9.4	430	9.0	-4
35 to 39	368	7.9	439	9.1	438	9.2	+70
40 to 44	341	7.3	372	7.7	419	8.8	+77
45 to 49	275	5.9	282	5.9	292	6.1	+16
50 to 54	185	4.0	197	4.1	192	4.0	+7
55 to 59	144	3.1	142	3.0	139	2.9	-5
60 to 64	140	3.0	122	2.5	116	2.4	-24
65 to 69	138	3.0	121	2.5	111	2.3	-27
70 to 74	141	3.0	126	2.6	116	2.4	-24
75 to 79	113	2.4	109	2.3	104	2.2	-9
80 to 84	68	1.5	68	1.4	68	1.4	0
85 and over	19	0.4	24	0.5	25	0.5	+6
Total persons	4,648	100.0	4,814	100.0	4,776	100.0	+127

Two Rocks - Forecast Age Structure - 5 year age groups							
Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	182	7.3	320	8.2	515	8.7	332
5 to 9	166	6.7	296	7.6	494	8.4	328
10 to 14	173	7.0	258	6.6	443	7.5	270
15 to 19	161	6.5	227	5.8	360	6.1	199
20 to 24	170	6.8	230	5.9	316	5.3	146
25 to 29	176	7.1	293	7.5	389	6.6	212
30 to 34	141	5.7	303	7.8	498	8.4	357
35 to 39	108	4.3	262	6.7	531	9.0	423
40 to 44	177	7.1	219	5.6	479	8.1	301
45 to 49	159	6.4	272	7.0	392	6.6	233
50 to 54	160	6.4	240	6.2	353	6.0	193
55 to 59	148	5.9	216	5.6	281	4.8	133
60 to 64	150	6.0	199	5.1	242	4.1	92
65 to 69	145	5.8	184	4.7	214	3.6	69
70 to 74	102	4.1	144	3.7	168	2.8	65
75 to 79	93	3.7	102	2.6	111	1.9	18
80 to 84	40	1.6	76	1.9	82	1.4	42
85 and over	35	1.4	54	1.4	46	0.8	11
Total persons	2,488	100.0	3,894	100.0	5,914	100.0	3,425

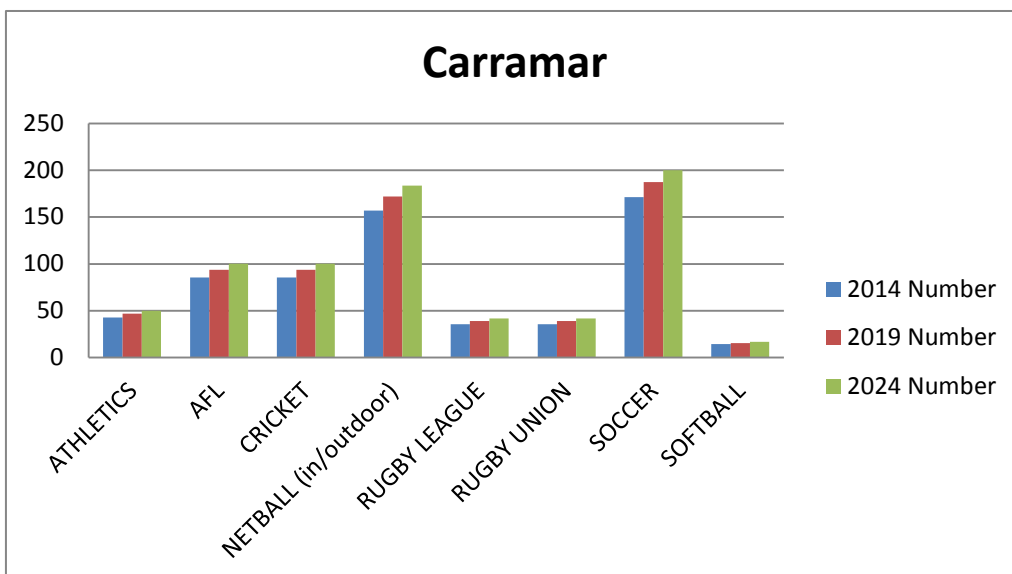
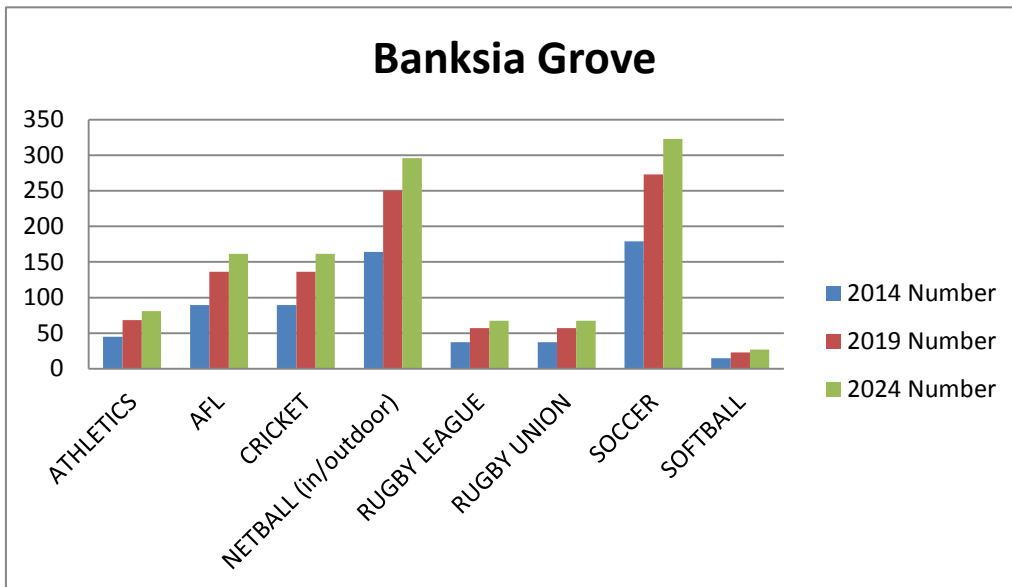
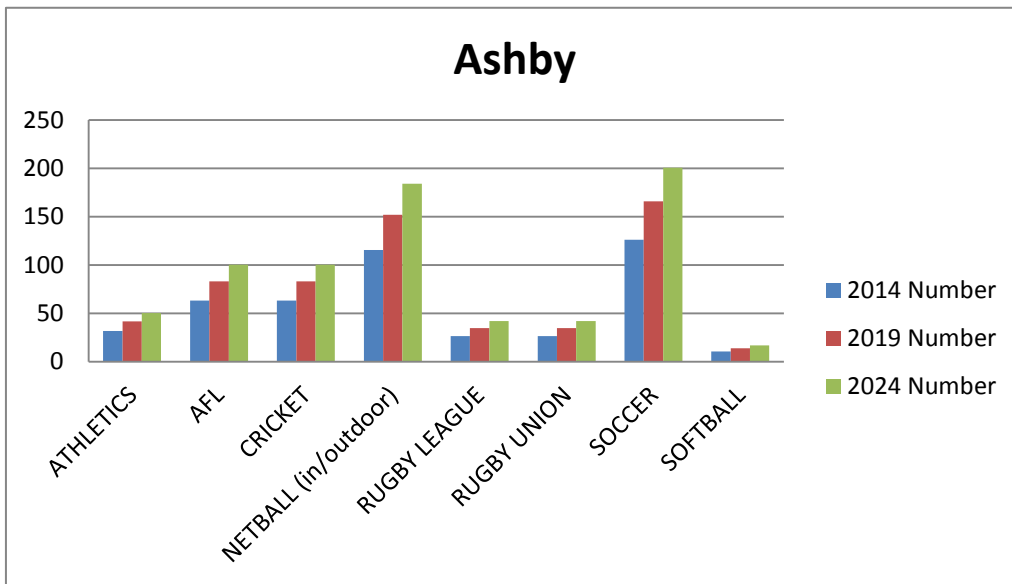
Yanchep - Forecast Age Structure - 5 year age groups							
Yanchep - Total persons	2014		2019		2024		Change between 2014 and 2024
Age group (years)	Number	%	Number	%	Number	%	Number
0 to 4	488	7.7	779	7.8	1,152	8.0	664
5 to 9	499	7.8	795	8.0	1,160	8.1	661
10 to 14	440	6.9	739	7.4	1,088	7.6	648
15 to 19	392	6.2	599	6.0	901	6.3	510
20 to 24	326	5.1	528	5.3	757	5.3	431
25 to 29	372	5.9	624	6.2	895	6.2	523
30 to 34	442	6.9	772	7.7	1,124	7.8	682
35 to 39	506	8.0	832	8.3	1,259	8.8	753
40 to 44	508	8.0	834	8.3	1,254	8.8	746
45 to 49	503	7.9	749	7.5	1,101	7.7	598
50 to 54	403	6.3	620	6.2	870	6.1	467
55 to 59	314	4.9	485	4.9	665	4.6	351
60 to 64	314	4.9	422	4.2	561	3.9	247
65 to 69	298	4.7	388	3.9	499	3.5	201
70 to 74	211	3.3	306	3.1	399	2.8	188
75 to 79	136	2.1	199	2.0	270	1.9	135
80 to 84	101	1.6	192	1.9	229	1.6	128
85 and over	106	1.7	134	1.3	146	1.0	40
Total persons	6,358	100.0	9,997	100.0	14,331	100.0	7,973

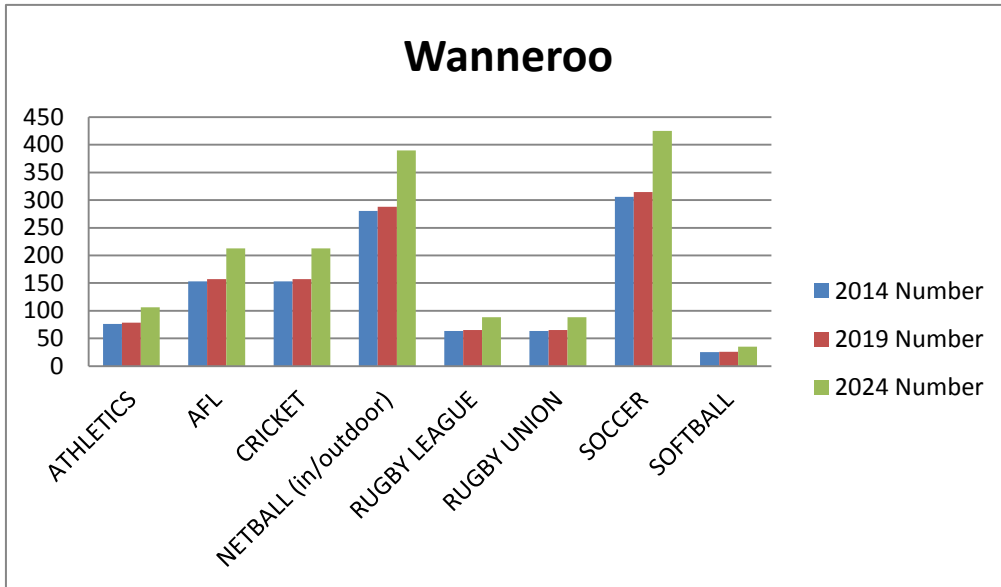
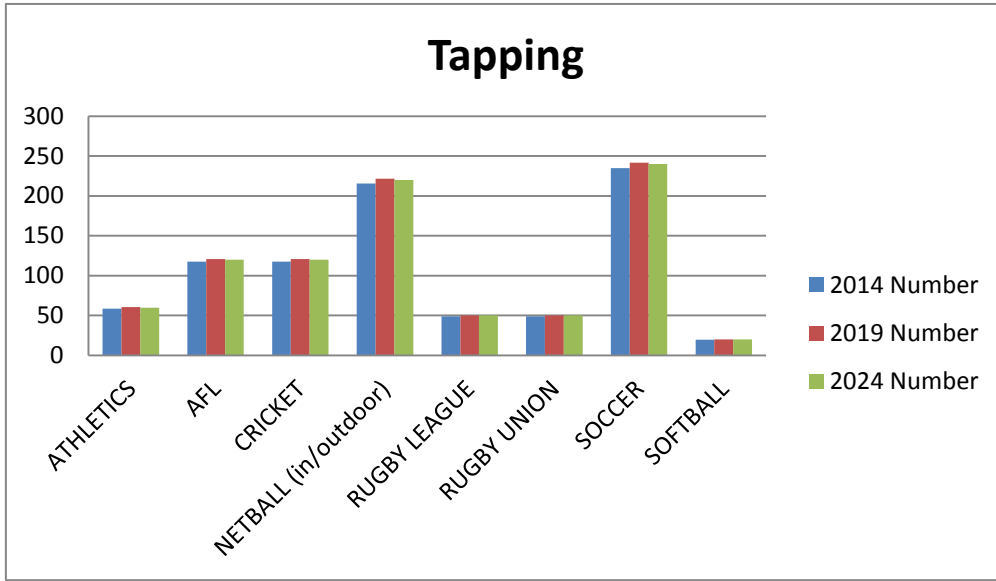
Attachment 16 - South Ward Participation



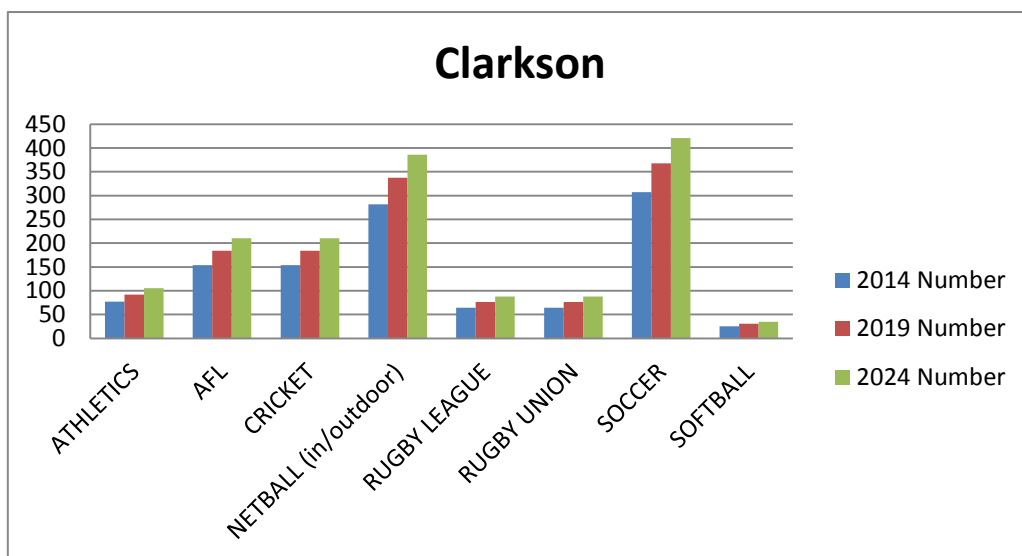
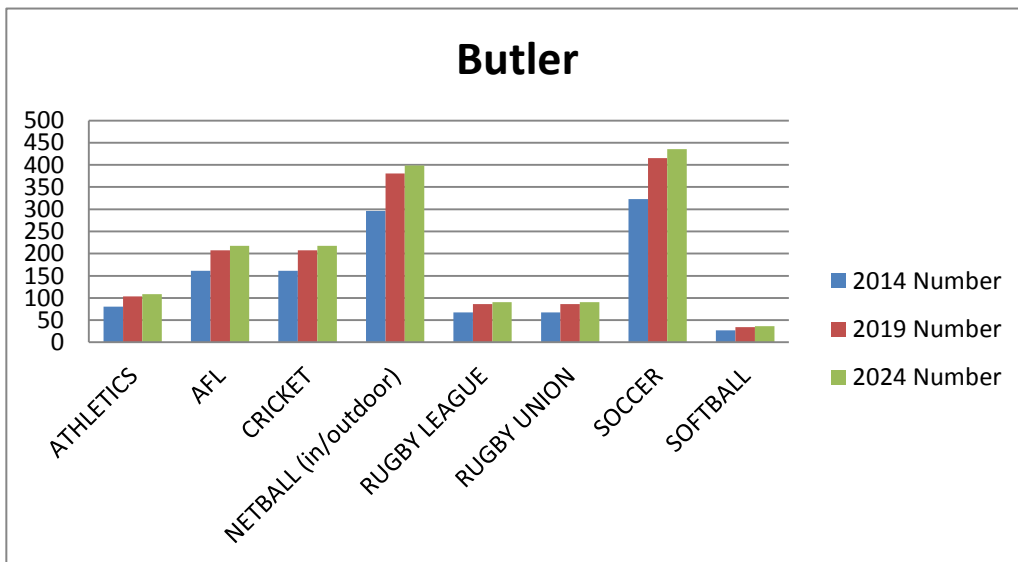
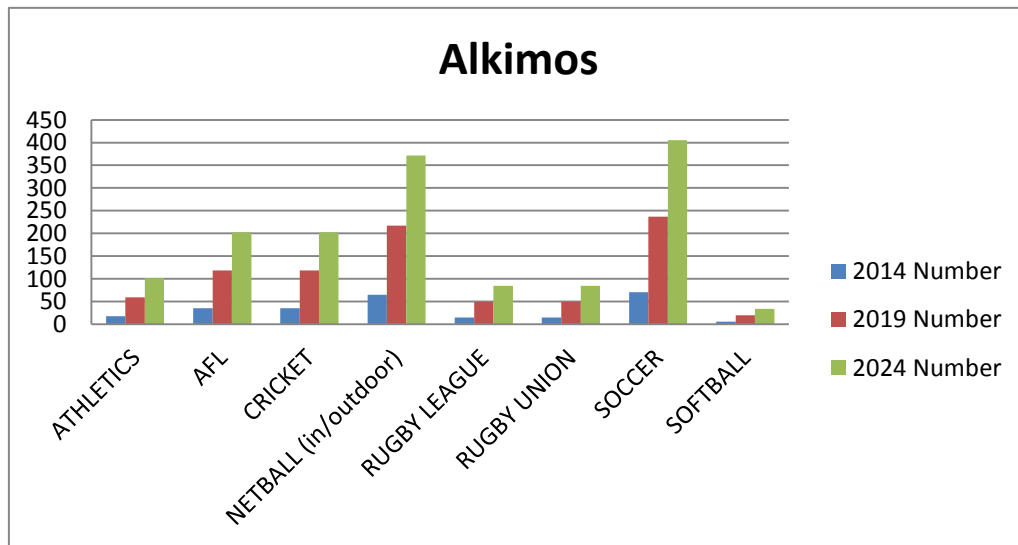


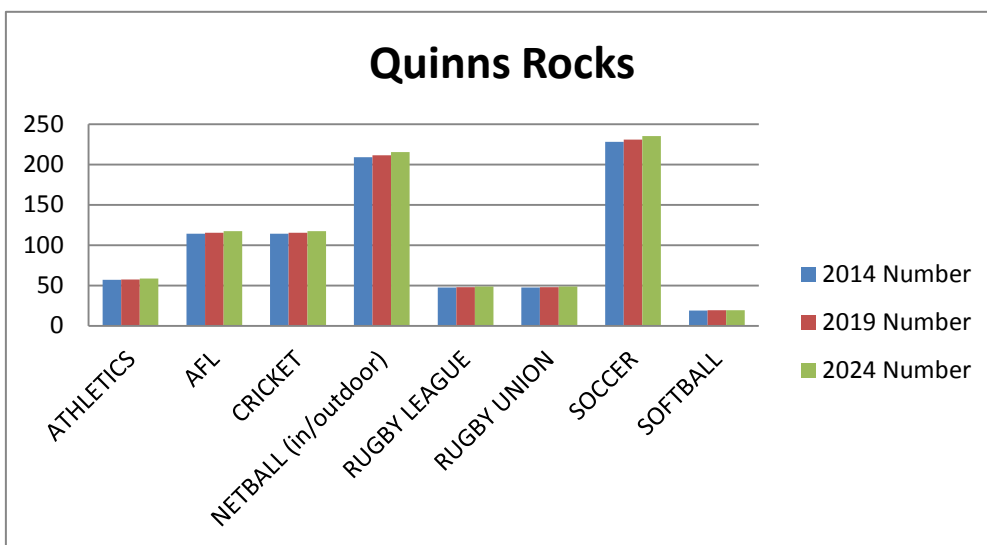
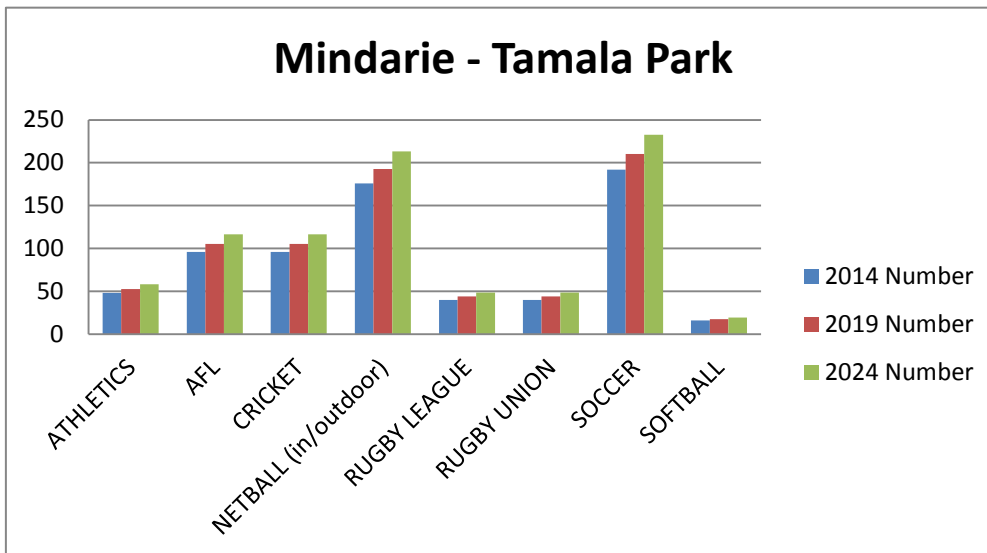
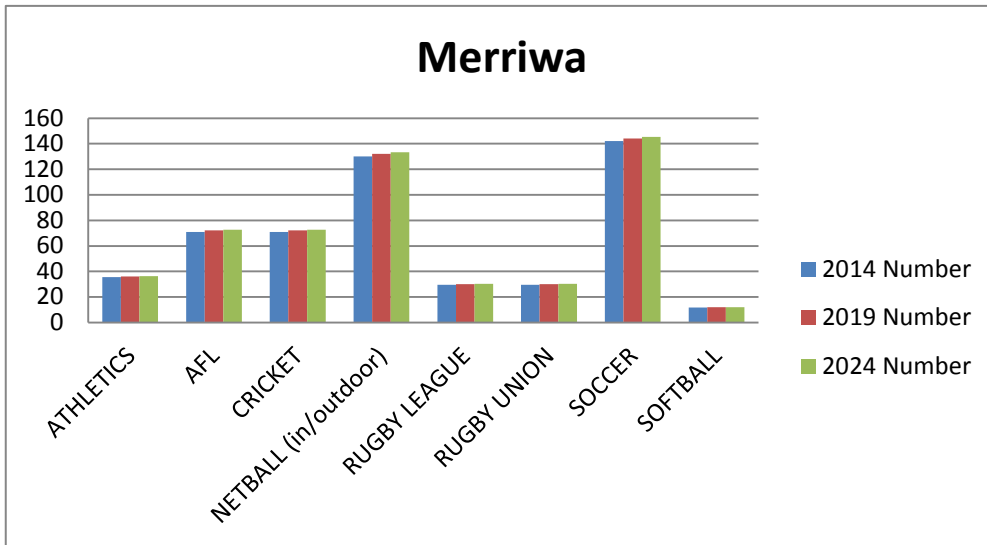
Attachment 17 - Central Ward Participation

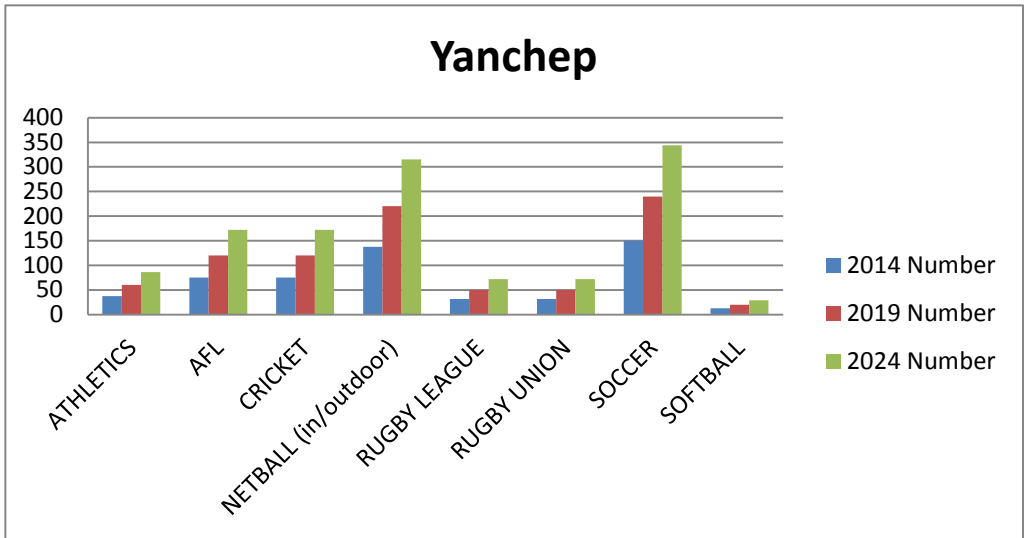
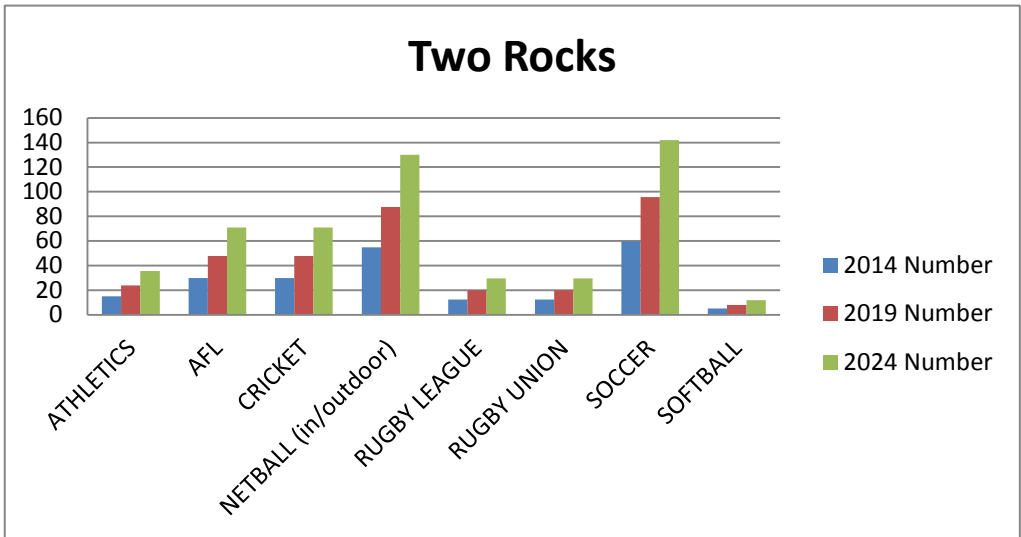
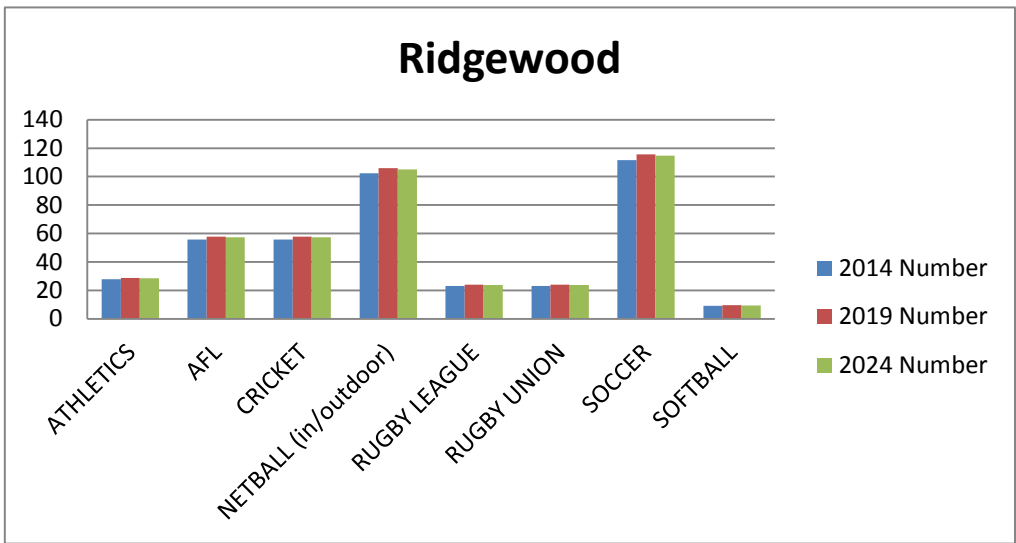




Attachment 18 - North Coast Ward Participation







Attachment 19 - South Ward Costings

Active Reserves Master Plans

South Ward

Alexander Heights Park

913,900

1. Outdoor Fitness Equipment
2. Path Network (new or extension) Bench Seating
3. Disc Golf
4. Clearing of the undergrowth (maintenance budget)
5. Combination goals (maintenance budget)

Blackmore park

1,893,600

6. Path Network (new or extension) Bench Seating
7. Playground Shade Sails
8. Upgrade/Re-locate cricket wickets
9. Outdoor Fitness Equipment
10. Floodlighting (1) Large Ball Sports
11. Upgrade/Relocation of Hard Courts
12. Car Park Extensions/Upgrades
13. Additional BBQs

Butterworth Park

918,000

14. Fencing
15. Path Network (new or extension) Bench Seating
16. Upgrade/Relocation of Hard Courts
17. Building Audit
18. Floodlighting (1) Large Ball Sports

Cabrini Park

828,000

19. Path Network (new or extension) Bench Seating
20. Car Park Extensions/Upgrades
21. Floodlighting (1) Large Ball
22. Building Audit

Ferrara Park

1,026,000

23. Path Network (new or extension) Bench Seating
24. Car Park Extensions/Upgrades
25. Floodlighting (1) Large Ball
26. Building Audit
27. Upgrade cricket nets
28. Shade sails
29. History plaques
30. Upgrade basketball courts

Hainsworth Park

1,559,600

31. Outdoor Fitness Equipment
32. Building Audit

- 33. Path Network (new or extension) Bench seating
- 34. Floodlighting (1) Large Ball Sports
- 35. Upgrade/Relocation of Hard Courts
- 36. Upgrade Skate Facilities

Highview Park **1,020,800**

- 37. Clearing of trees
- 38. Upgrade/relocation of Hard courts
- 39. Installation of Floodlights
- 40. Building Audit
- 41. Multi-purpose play opportunities **(maintenance budget)**

Hudson Park **2,301,000**

- 42. Floodlighting (1) Large Ball Sports
- 43. Path Network (new or extension) Bench Seating
- 44. Security Upgrades/lighting/CT
- 45. Building audit
- 46. Car Park New
- 47. Upgrade/Re-locate cricket wickets /nets
- 48. Baseball/Softball Backnet
- 49. Additional BBQs
- 50. Outdoor fitness equipment
- 51. Upgrade of hard courts

John Maloney **1,732,000**

- 51. Floodlighting (2) Small Ball Sports Upgrade/
- 52. Relocation of Hard Courts
- 53. Floodlighting (1) Large Ball
- 54. Sports Car Park Extensions/Upgrades
- 55. Path Network (new or extension) Bench Seating
- 56. Drink Fountains
- 57. Upgrade/Re-locate cricket wickets /nets
- 58. Building Audit
- 59. Hydrozoning/Irrigation upgrades

Koondoola Park **1,014,000**

- 60. Path Network (new or extension) Bench Seating
- 61. Outdoor Fitness Equipment
- 62. Floodlighting (1) Large Ball
- 63. Additional Car park on Burbridge
- 64. Sports Splash Pad
- 65. Community Garden **(operating budget)**

Liddell Park **1,748,000**

- 66. Floodlighting (1) Large Ball Sports
- 67. Path Network (new or extension) Bench Seating
- 68. Playground Upgrades
- 69. Turf Upgrades
- 70. Outdoor Fitness Equipment
- 71. Car Park New

- 72. Building Audit
- 73. Automated toilets

Paloma Park	1,255,500
74. Upgrade/Relocation of Hard	
75. Floodlighting (1) Large Ball Sports	
76. Playground Upgrades	
77. Building Audit	
78. Path Network (new or extension) Bench Seating	
79. Upgrade/Re-locate cricket wickets /nets	
80. Outdoor fitness equipment	
Shelvock Park	1,107,000
81. Fencing	
82. Building Audit	
83. Drink Fountain	
84. Path Network (new or extension) Bench Seating	
85. Car Park New	
86. Outdoor Fitness Equipment	
87. Additional BBQs	
Montrose Park	23,000
88. Car park line marking	
89. Building audit	
Total South Ward	17,340,400
Total Number of Projects	89
Minus Maintenance/Operating Budget items (4)	85

Attachment 20 - Central Ward Costings

Active Reserves Master Plans

Central Ward

Edgar Griffiths Park		1,690,000
1	Provide drinking water fountain	
2	Upgrade, replace toilet/changeroom kiosk facilities	
3	Connect toilet block to scheme water	
4	Provide space for senior sized AFL oval	
5	Install floodlighting 50lux	
6	Provide two (2) storerooms	
<hr/> Houghton Park		337,000
7	Review storage door height	
8	Upgrade irrigation to facilitate hydrozoning	
9	Relocate irrigation boxes from soccer pitch	
10	Renew cricket pitch	
11	Establish Drink Fountain near changerooms	
12	Additional rubbish bins near reserve	
13	Establish nodes and interpretive signage and bench seating along pathways	
14	North Vegetation area revegetated. Seek irrigation allocation for offsets	
<hr/> Jimub Swamp Park		1,846,000
15	Design changerooms and kiosk	
16	Review and construct 80 bay car park	
17	Locate 3 on 3 basketball half court	
<hr/> Lake Joondalup Park		1,072,000
18	Upgrade lighting to 50lux on 4 towers	
19	Relocate cricket wicket to centre of ground	
20	Undertake hydrozoning	
21	Additional carparking	
22	Upgrade changeroom facilities	
<hr/> Peridot Park		645,000
23	Upgrade/renew playground	
24	Create dual use path from car park to community centre	
25	Add power box for events	
26	Upgrade lighting to 50lux	
27	Investigate hydrozoning and reveg in south area	
28	Improve security, modify changerooms to provide passive surveillance to carpark, oval & playground	
29	Thin understory to provide passive surveillance from car park/playground and oval	
30	Review north vegetation	
31	Establish nodes and interpretive signage along pathways and bushland	
<hr/> Scenic Park North / South		1,671,000
32	Provide drink fountain for users of both grounds	
33	Upgrade irrigation and facilitate hydrozoning	
34	Upgrade lighting to 50lux	
35	Carparking	
36	Changeroom Facility	
<hr/> Wanneroo Showground		1,385,000
37	Seal and mark the limestone carpark (2,500m2)	
38	Maintain all trees	
39	Investigate the possibility of an alternative training space recognising tree heritage preservation issues	
40	Improve carpark and security lighting	
41	Extend north carpark by an additional 30 bays	
42	Intall AFL goal sleeves to allow alternative placement of goals and alleviate wear	

43	Install skate park as funds become available	
44	Renew playground as funds become available	
45	Connect playground to skatepark with paving and rubber matting	
46	Establish outside drinking water/drinking fountain near south toilet block	
47	Refurbish toilets and store rooms	
48	Resurface tennis courts	
49	Improve drainage	
<hr/>		
Banksia Grove District Open Space		3,300,000
50	Sports Amenities Building	
51	Floodlighting	
Total Central Ward		11,946,000
Total Number of Projects		51

Attachment 21 - Coastal Ward Costings

Active Reserves Master Plans

Coastal Ward

	Ex GST
Abbeville Park	795,000
1 New/Additional Storage	
2 Floodlighting (1) Large Ball Sports	
3 Turf Upgrades	
4 Hydrozoning/Irrigation upgrades	
5 Bench Seating	
<hr/>	
Addison Park	1,740,000
6 Playing Field Extensions	
7 Floodlighting (1) Large Ball Sports	
8 New/Refurbishment of Toilets & Changerooms	
9 New/Additional Storage	
10 Turf Upgrades	
11 New/Additional BBQs	
12 Drink Fountains	
<hr/>	
Anthony Waring Park	275,000
13 Security Upgrades/lighting/CCTV	
14 New/Additional Storage	
15 Hydrozoning/Irrigation upgrades	
16 Car Park New	
17 Drink Fountains	
18 New/Additional Bins	
19 Bench Seating	
20 New/Additional BBQs	
<hr/>	
Belhaven Park	1,336,000
21 New/Refurbishment of Toilets & Changerooms	
22 New/Additional Storage	
23 Hydrozoning/Irrigation upgrades	
24 Floodlighting (1) Large Ball Sports	
25 Drink Fountains	
<hr/>	
Dalvik Park	1,426,000
26 New Sports Amenities Building	
27 Car Park New	
28 Turf Upgrades	
29 Floodlighting (1) Large Ball Sports	
30 Bench Seating	
<hr/>	
Gumblossom Park	2,192,000
31 Hydrozoning/Irrigation upgrades	
32 Floodlighting (1) Large Ball Sports	
33 Car Park Extensions/Upgrades	
34 Synthetic playing surface option	
35 New/Additional Multi Purpose Room	

- 36 Security Upgrades/lighting/CCTV
- 37 New/Upgrade Playground
- 38 Fencing
- 39 Spectator Seating
- 40 Upgrade Tennis Shelter (not included in cost estimate)
- 41 Higher fencing around Netball courts (not included in cost estimate)

Kingsbridge Park **152,000**

- 42 Hydrozoning/Irrigation upgrades
- 43 Sports Goals/Net/Furniture

Richard Aldersea Park **467,200**

- 44 New/Additional Storage
- 45 Floodlighting (1) Large Ball Sports

Ridgewood Park **773,000**

- 46 Playing Field Extensions
- 47 Hydrozoning/Irrigation upgrades
- 48 New/Additional Storage
- 49 Car Park New
- 50 New/Additional Multi Purpose Room
- 51 Site survey
- 52 Sports Goals/Net/Furniture
- 53 New/Additional Bins
- 54 Water supply

Riverlinks Park **1,987,000**

- 55 Car Park New
- 56 New Sports Amenities Buildings
- 57 Hydrozoning/Irrigation upgrades
- 58 Floodlighting (1) Large Ball Sports
- 59 New/Upgrade Playground

Total Coastal Ward **11,143,200**

Total Number of Projects **59**

Butler North District Open Space **21,899,413.00**

60 Playing Fields, Sport Amenities Building and Carpark, Hardcourts, Playground, Park Furniture and Path N

Total Coastal Ward **33,042,613**

Total Number of Projects **60**

Note that the costs listed above also include:

All costs are EX GST

Preliminaries (18%)

Planning Contingencies (15%)

Design Contingencies (5%)

Construction Contingencies (5%)

Professional Fees (15%)

