

Ordinary Council Meeting

Agenda for Tuesday 22 May 2018



**city of
kalamunda**

NOTICE OF MEETING ORDINARY COUNCIL MEETING

Dear Councillors

Notice is hereby given that the next Ordinary Meeting of Council will be held in the Council Chambers, Administration Centre, 2 Railway Road, Kalamunda on **Tuesday 22 May 2018 at 6.30pm.**

Rhonda Hardy
Chief Executive Officer
17 May 2018



Core Values

- Service:** We deliver excellent service by actively engaging and listening to each other.
- Respect:** We trust and respect each other by valuing our differences, communicating openly and showing integrity in all we do.
- Diversity:** We challenge ourselves by keeping our minds open and looking for all possibilities and opportunities.
- Ethics:** We provide honest, open, equitable and responsive leadership by demonstrating high standards of ethical behaviour.

Aspirational Values

- Creativity:** We create and innovate to improve all we do.
- Courage:** We make brave decisions and take calculated risks to lead us to a bold and bright future.
- Prosperity:** We will ensure our District has a robust economy through a mixture of industrial, commercial, service and home based enterprises
- Harmony:** We will retain our natural assets in balance with our built environment

Our simple guiding principle will be to ensure everything we do will make Kalamunda socially, environmentally and economically sustainable.

www.kalamunda.wa.gov.au

**city of
kalamunda**

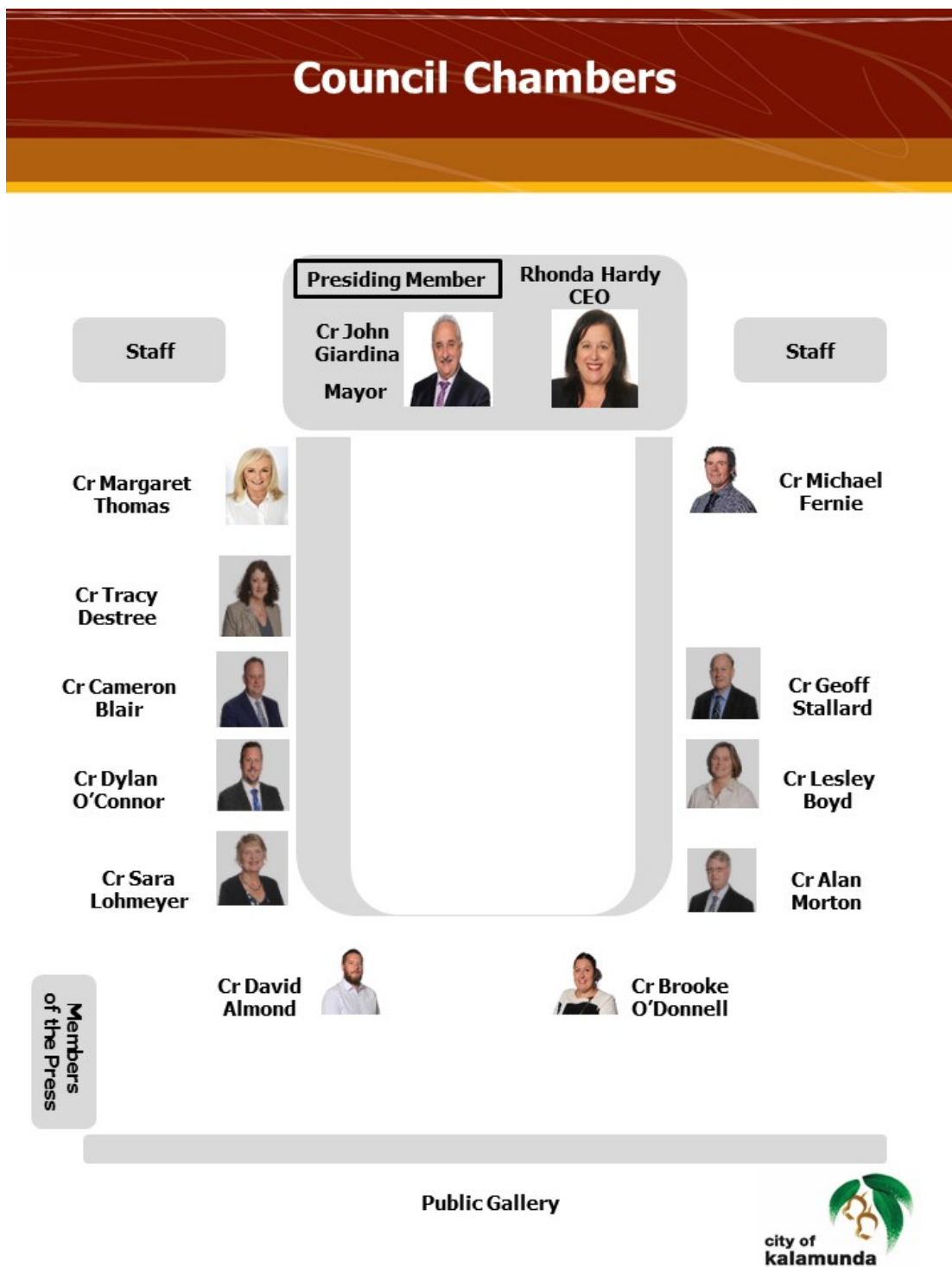


INFORMATION FOR THE PUBLIC ATTENDING COUNCIL MEETINGS

Welcome to this evening's meeting. The following information is provided on the meeting and matters which may affect members of the public.

If you have any queries related to procedural matters, please contact a member of staff.

Council Chambers – Seating Layout



Ordinary Council Meetings – Procedures

1. Council Meetings are open to the public, except for Confidential Items listed on the Agenda.
2. Members of the public who are unfamiliar with meeting proceedings are invited to seek advice prior to the meeting from a City Staff Member.
3. Members of the public are able to ask questions at an Ordinary Council Meeting during Public Question Time.
4. To facilitate the smooth running of the meeting, silence is to be observed in the public gallery at all times except for Public Question Time.
5. All other arrangements are in general accordance with Council's Standing Orders, the Policies and decision of the City or Council.

Acknowledgement of Traditional Owners

We wish to acknowledge the traditional custodians of the land we are meeting on, the Whadjuk Noongar people. We wish to acknowledge their Elders' past, present and future and respect their continuing culture and the contribution they make to the life of this City and this Region.

Emergency Procedures

Please view the position of the Exits, Fire Extinguishers and Outdoor Assembly Area as displayed on the wall of Council Chambers.

In case of an emergency follow the instructions given by City Personnel.

We ask that you do not move your vehicle as this could potentially block access for emergency services vehicles.

Please remain at the assembly point until advised it is safe to leave.

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- 1. Official Opening**
- 2. Attendance, Apologies and Leave of Absence Previously Approved**
- 3. Public Question Time**

3.1. Questions Taken on Notice at Previous Meeting

3.2.1 Mr Harry Mazza, 811 Welshpool Road, Wattle Grove

Q. In December 2017 Arborlogic wrote a letter responding to the amended application to access Lot 36 Welshpool Road East. In the letter the Arborist, on 9 specific occasions, sought clarification as to the details regarding design, physical size, width and depth of excavations in order to understand the degree of damage the works will pose to the root zones. In the general comment the arborist sought further clarification. Given this letter is the lynch pin of understanding the risk and mitigating the risk to the trees was the Arborist provided with the clarification he sought?

If clarification, or more details were provided, are there records of this?

If there was no further communication with the Arborist can you please advise us why his queries still, to this day, have not been addressed or understood by the City of Kalamunda and Councillors?

A. In follow up to the December 2017 addendum to the original Arborist Report dated August 2016 it is advised that the Arborist was not provided with any further clarification given any further assessment could only be made once construction proceeds. Given the Arborist's advice "could impact the root zone" it was therefore considered necessary to have the Arborist present during the earthworks phase of the works, hence the relevant conditions in support of the Development Approval.

It is noted that the engineering drawings also include notation on each drawing as follows:

- Arborist to review all overhanging branches and their impact on traffic.
- Pruning of branches and root protection during construction to be undertaken with strict supervision of Arborist.
- Unless otherwise instructed the Contractor shall not disturb and existing trees of vegetation.

It is noted that the Arborist is required to liaise with the City's representative on any proposed directions relating to pruning, root protection/removal and/or tree removal prior to issue of formal instructions to the Contractor. A report identifying all actions arising along with decisions made is to be presented to the City on conclusion of the works. This report will provide both a chronological account of all tree and vegetation decisions and shall identify any on-going maintenance/inspection requirements that the City needs to be cognisant of and/or programme into its routine maintenance activities.

3.2. Public Question Time

A period of not less than 15 minutes is provided to allow questions from the gallery on matters relating to the functions of Council. For the purposes of Minuting, these questions and answers will be summarised.

4. Petitions/Deputations

- 4.1 A deputation has been approved from Mr Terry Crestwell regarding Item 10.2.4 - Section 31 Reconsideration – Lot 11 (215) Lewis Road, Forrestfield.
- 4.2 A petition has been received from Stephen Price's office on behalf of 13 residents regarding the establishment of a fenced dog exercise area.

5. Applications for Leave of Absence

6. Confirmation of Minutes from Previous Meeting

- 6.1 That the Minutes of the Ordinary Council Meeting held on 24 April 2018, as published and circulated, are confirmed as a true and accurate record of the proceedings.

Moved:

Seconded:

Vote:

Statement by Presiding Member

"On the basis of the above Motion, I now sign the Minutes as a true and accurate record of the meeting of 24 April 2018."

- 6.2 That the Minutes of the Special Council Meeting held on 30 April 2018, as published and circulated, are confirmed as a true and accurate record of the proceedings.

Moved:

Seconded:

Vote:

Statement by Presiding Member

"On the basis of the above Motion, I now sign the Minutes as a true and accurate record of the meeting of 30 April 2018."

7. Announcements by the Member Presiding Without Discussion

8. Matters for Which the Meeting may be Closed

8.1 **Confidential Attachment. 10.2.2 City of Kalamunda: Public Open Space Strategy – Consideration of Submissions and Modifications for Final Adoption**

Reason for Confidentiality: *Local Government Act 1995 (WA) Section 5.23 (2) (b) - "the personal affairs of any person."*

8.2 **Confidential Attachment. 10.2.4 Section 31 Reconsideration – Lot 11 (215) Lewis Road, Forrestfield**

Reason for Confidentiality: *Local Government Act 1995 (WA) Section 5.23 (2) (b) - "the personal affairs of any person."*

8.3 **Confidential Report. 15.1.1 Chief Executive Officer's Performance and Salary Review Policy**

Reason for Confidentiality: *Local Government Act 1995 (WA) Section 5.23 (2) (a) - "a matter affecting an employee or employees." and Local Government Act 1995 (WA) Section 5.23 (2) (c) - "a contract entered into, or which may be entered into, by the local government and which relates to a matter to be discussed at the meeting."*

8.4 **Confidential Report. 15.1.2 Consideration of Conditions of Retrospective Development Approvals DA17/0531 and DA17/0532 and Supreme Court Appeal - 59 Coolinga Road Lesmurdie**

Reason for Confidentiality: *Local Government Act 1995 (WA) Section 5.23 (2) (d) - "legal advice obtained, or which may be entered into, by the local government which relates to a matter to be discussed."*

9. Disclosure of Interest

9.1. Disclosure of Financial and Proximity Interests

- a. Members must disclose the nature of their interest in matter to be discussed at the meeting. (Section 5.56 of the *Local Government Act 1995*.)
- b. Employees must disclose the nature of their interest in reports or advice when giving the report or advice to the meeting. (Section 5.70 of the *Local Government Act 1995*.)

9.2. Disclosure of Interest Affecting Impartiality

- a. Members and staff must disclose their interest in matters to be discussed at the meeting in respect of which the member or employee had given or will give advice.

10. Reports to Council

10.1. Corporate Services Reports

10.1.1. Quarterly Progress Report Against KPIs – January - March 2018

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	N/A
Directorate	Corporate Services
Business Unit	Corporate Systems
File Reference	OR-CMA-009
Applicant	N/A
Owner	N/A

- | | |
|-------------|--|
| Attachments | 1. Quarterly Report Progress Report Jan- Mar 2018
[10.1.1.1] |
| | 2. Council KPI Scorecard Jan- Mar 2018 [10.1.1.2] |

EXECUTIVE SUMMARY

1. The purpose of the Quarterly Progress Report is for Council to receive the report for the period 1 January to 31 March 2018.
2. The Quarterly Progress Report shows that 80% of actions are currently 90% or more of their year to date target.
3. It is recommended that Council receive the Quarterly Progress Report for the period 1 January 2018 to 31 March 2018.

BACKGROUND

3. In June 2017, Council adopted the Corporate Business Plan, *Kalamunda Achieving*. This plan contains 188 key actions which are a priority for the City of Kalamunda in the 2017/2018 year.
4. Each action is linked to Council's Strategic Plan, *Kalamunda Advancing 2027*, also adopted in June 2017. This ensures that each employee is working towards achieving the strategic direction of the Council.
5. The officer responsible for an action or task is required to provide an update each month, giving an indication of how the action is progressing. Key Performance Indicators (KPIs) are also updated. This information is collated to provide an overview of how the organisation is performing.

DETAILS

6. **Priority Actions**
The Quarterly Progress Report for the period 1 January 2018 to 31 March 2018 is presented at Attachment 1.

7. The report shows comments indicating the status of all actions and their current progress.
8. Over 80% of the actions (154 of the 188) are currently at 90% or more of their target progress for the year to date. This slightly less than last quarter (when 172 actions were on-track).
9. **Key Performance Indicators**
Performance against the City's corporate KPIs is shown in Attachment 2.
10. Of the nine KPIs, for the period 1 January 2018 to 31 March 2018,
 - a) Seven are at or exceeding their target.
 - b) One is currently off-track (Subdivision Applications Referred to the WAPC Within Statutory Timeframes).
The results for the quarter for this KPI were 100% in January, 71% in February and 76% in March.
Whilst every effort is made to achieve the statutory timeframes for subdivision applications, there are some instances where, due to the complexity of the application and the resulting discussions with the WA Planning Commission and the applicant, the statutory timeframes cannot be achieved. This was the situation for this KPI with one subdivision application.
 - c) One is an annual KPI which will not be updated until 1 July 2018.

STATUTORY AND LEGAL CONSIDERATIONS

11. Nil.

POLICY CONSIDERATIONS

12. Nil.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

13. Managers and Directors have submitted the comments shown on the Quarterly Progress Report. A draft was provided for review and update prior to finalising the report.

External Referrals

14. The report is presented to keep Council informed of the organisation's progress. The community is advised of the City's achievements and progress via the Annual Report.

FINANCIAL CONSIDERATIONS

15. Financial progress is reported monthly via the Monthly Financial Statements and Management Reports.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

16. *Kalamunda Advancing Strategic Community Plan to 2027*

Priority 4: Kalamunda Leads

Objective 4.1 - To provide leadership through transparent governance.

Strategy 4.1.2 - Build an effective and efficient service based organisation.

SUSTAINABILITY

Social Implications

17. Nil.

Economic Implications

18. Nil.

Environmental Implications

19. Nil.

RISK MANAGEMENT CONSIDERATIONS

20.	Risk: The City fails to carry out the actions set out in the Corporate Business Plan.		
	Likelihood	Consequence	Rating
	Unlikely	Significant	Medium
	Action/Strategy		
	Regular reporting of action progress to CEO, Directors and Council to ensure that performance is monitored and managed.		
	Risk: KPIs are not met – standard of customer service declines.		
	Likelihood:	Consequence	Rating
	Possible	Moderate	Medium
	Action/ Strategy		
	Regular reporting of KPI achievement to CEO, Directors and Council to ensure that performance is monitored and managed.		

OFFICER COMMENT

21. The Quarterly Progress Report outlines that the City is working effectively in implementing the strategic direction of the Council

Voting Requirements: Simple Majority

RECOMMENDATION

That Council:

1. Receives the Quarterly Progress Report Against KPIs for January-March 2018.

Performance Area	Project Goal	Expected Outcome	Goal	Strategic Plan Link Outcome	Strategy	Action	Priority Action - Linked to Corporate Business Plan	Quarterly Status
Activated cultural facilities	Arts & Culture	Review completed, identified initiatives implemented	1	3	2	11	Investigate alternative management models for the Zig Zag Art Gallery that are community driven.	Some research into management models for community galleries has been undertaken. Council approved the formation of the Kalamunda Arts Advisory Committee. Positions on the Advisory Committee have been approved and meetings commenced. It has been clarified that the Advisory Committee will assist with the investigation of alternative management models. The first meeting took place in February 2018. Management of the Zig Zag Gallery will be a subject for discussion in due course.
Activated cultural facilities	Community Facilities	Business Plan is developed and implemented	1	3	2	10	Develop and annually review a business plan for the Zig Zag Cultural Centre to guide the future direction of the Centre and increase utilisation.	The 2017/18 Zig Zag Cultural Centre (ZZCC) Business Plan guides the direction and operations of the ZZCC for the current financial year. A key focus area includes the continued drive to grow the promotion of Perth Hills as a tourism destination with local members and also collaboratively with Experience Perth, Tourism WA and neighbouring Local Governments. There have been no new volunteers in the last 12 months despite promotion on the City website . A volunteering strategy is being developed through People Services to recruit new volunteers.
Activated cultural facilities	Community Facilities	Business Plan is developed and implemented	1	3	2	12	Develop and annually review a business plan for the Kalamunda Performing Arts Centre to guide the direction of the Centre and increase utilisation.	The 2017/18 Business Plan guides the direction and operations of the Kalamunda Performing Arts Centre. Focus areas include the promotion and delivery of a diverse theatre program, including Morning Music; purchase of priority theatre equipment; progression of security and safety initiatives. Performances for the first quarter of 2018 have included James Blundell and Johnny Cash's Prison Songs. The Morning Music pre-booking system has been working well with good attendance figures for the first Wednesday of each month. Maintenance works in January have given the foyer a much needed refresh.
Connected to history and education	Community Facilities	Attendance increased; Community are satisfied with level of service received	1	3	2	20	Promote and provide Kalamunda History Village programs to schools and the community.	The Kalamunda History Village programme for school visits continues to operate at capacity. The term-time bookings are almost at full capacity for the 2018 school year. Schools programmes commenced again in February. The City has been successful in its application for funding through the Lotterywest Heritage and Conservation Grants for the Kalamunda History Village locomotive remediation and refurbishment project. Lotterywest has indicated that the 50% requested has been approved and a report was subsequently approved by Council for the remediation of the locomotive. Expression of Interest documentation has been finalised with applications due in April.
Connected to history and education	Lifelong Learning	Agreement review is completed	1	1	3	3	Monitor and review the Lesmurdie Community and School Library Joint Use Agreement.	The 60 day public consultation period commenced on 13 October and closed on 13 December 2017. There were 294 responses received from the consultation which have been collated and analysed. Outcomes of the consultation were presented to Councillors in February 2018. Agenda Item included in Ordinary Council Meeting 27 March 2018, resolved to maintain current Licence Agreement with Department of Education.
Connected to history and education	Lifelong Learning	Families with young children are receiving appropriate services	1	1	3	4	Participate in the Better Beginnings program for Kindergarten and Pre-Primary through local schools.	For this quarter 31 Story Time sessions were held with 495 children and parents participating. 32 Rhymetime sessions were held for this quarter, with 409 children and their families participating.
Connected to history and education	Lifelong Learning	Library Services Plan is delivered	1	1	3	1	Develop and annually review a Library Services Business/Marketing Plan to guide the direction of Library Services and increase utilisation of the libraries.	The Business and Marketing plan has been updated for 2017/18, with key focus areas as follows: - Review of Lesmurdie Community and School Library - Progress Radio Frequency Identification (RFID) transition at Kalamunda Library, including staff and customer training - Continue Pop Up Libraries throughout the City as a means to promote Library Services to our community - Facilitate early childhood learning opportunities (Rhymetime, Better Beginnings) - Review and update E Services - Review Van Delivery Service - Facilitate various community programs and learning workshops, such as school holiday programs, children's Book Week and workshops i.e. Superannuation, Photography, Language, Biography.
Engaged communities	Community Committees	Review completed, identified initiatives implemented	1	3	1	13	Review every two years before elections all existing management and advisory committees to determine their effectiveness and identify whether there is a need for an improved structure and purpose.	All Advisory Committees were reviewed in September 2017. Council endorsed revised Terms of Reference and installed new and existing committees.
Engaged communities	Community Group Sustainability	City sporting clubs have clear direction around funding	1	3	1	2	Ensure the effective provision of the City's Community Funding Program in accordance with set funding rounds.	Round One of the Community & Sporting Groups Funding Program closed on 30 November 2017 with 11 applications received. They were assessed and prioritised with nine of the groups receiving a total of \$7,800 of funding between them. Round Two of the Community Funding Program opened on 1 February and closed on 31 March 2018.

Performance Area	Project Goal	Expected Outcome	Strategic Plan Link				Priority Action - Linked to Corporate Business Plan	Quarterly Status
Goal	Outcome	Strategy	Action					
Engaged communities	Community Group Sustainability	Policy is endorsed	1	3	1	1	Investigate, adopt and implement a policy framework that will clarify provision of City support for existing and new community groups.	The Community Services team continues to meet with, and provide guidance and support to, a wide range of community groups, organisations and individuals to encourage everyone to play their part in creating a thriving, inclusive and welcoming community for Kalamunda. A Connecting Communities 'all ages, all abilities' event is being held on 26 April 2018 at Hartfield Park Recreation Centre aimed at encouraging the community to become more active and showcasing the many participation opportunities offered by local sporting and community groups.
Engaged communities	Environmental Partnerships	Volunteers satisfied with their role and level of support received	1	3	1	12	Promote and support local environmental Friends Groups within the City.	Autumn season activities include support through contracted weed control, plant requests and arrangements for community planting days throughout June.
Engaged communities	Services for Families with Young Children	Families with young children are receiving appropriate services	1	3	1	14	Maintain relationship with the Early Years Group Network, considering opportunities to advocate and promote initiatives.	Community Services staff regularly attend the monthly Zig Zag Early Years Partnership (ZZEYP) meetings, for which the City also provides administrative and promotional support. On 20 February, ZZEYP hosted a parenting seminar at Kalamunda Performing Arts Centre on 'Screens and the Early Years'. Leading experts in their field talked to parents about the positive and negative impacts screen time can have on both the physical and cognitive development of those under 8 years of age. An audience of almost 200 parents (and babies!) attended and feedback indicates they found it extremely helpful. Four Pop Up Play sessions are scheduled for 2018 aimed at improving the physical outcomes for young children. ZZEYP hosted the first session at High Wycombe, attracting almost 300 children and parents. The second Pop Up Play session took place on Monday 19 March at Lenihan Nature Playground in Wattle Grove, with the theme of exploring nature. Over 150 parents, grandparents and children enjoyed the wide variety of active play opportunities on offer. The next Pop Up Play will be held in conjunction with the City of Kalamunda's Have a Go Hartfield event on Thursday 26 April. Multiple partners support all of these activities. Also in March, the ZZEYP submitted an application to WACOSS (Western Australian Council of Social Services) Community Service Excellence Awards (CESA), nominating for Category 5: outstanding commitment to collaborative place-based services or solutions. The CESA winners will be announced in May 2018.
Engaged communities	Volunteer Support	Volunteers satisfied with their role and level of support received	1	3	1	9	Ensure each service area using volunteer assistance takes responsibility for managing their volunteers fairly and equitably and recognises them as a valuable sector of the City's workforce.	Volunteer Strategy integrated with the Active Citizens Strategy. Continuing to monitor volunteer management and advise managers as required.
Expression through the Arts	Arts & Culture	Community Art Exhibition is delivered	1	3	2	9	Conduct an annual Community Art Exhibition for residents and members of the City's local visual arts community to provide local artists with the opportunity to gain exposure.	There are 4 community exhibitions held each year. The Lions Club Contemporary Art Awards were held in January 2018. They were open to hobbyists as well as professional artists from the wider community with a prize pool of around \$2,700. Artists are invited to submit work in three categories, one of which includes 'Kalamunda Captured'. In the 2018 award exhibition, 46 artists participated showing 60 works. This is considered to be a large exhibition for the Zig Zag space. The NAIDOC Week exhibition is open to aspiring and professional artists both indigenous and non-indigenous. Artists are invited to submit recent work reflecting the annual theme. For 2018 it will be 'Because of Her, We Can' celebrating the contribution of women to the culture. The exhibition has run since 2014 attracting indigenous artists such as Sharon Egan, Robyn Hardy, Shelley Paing-Nee, Neroli Blurton, Aurora Abraham and Norma McDonald. Often, multiple family members will contribute works for exhibition. This exhibition is free of fees to the artist. For the 2017/2018 financial year it was held in July 2017. The annual Youth Art exhibition has been presented through varied platforms. First through schools, then open invitation to aspiring artists between 12 and 25, then artists who have completed an arts degree. The overarching approach to this exhibition is that it is driven by the artists with an eye to provide fundamental information to other young aspiring artists about art practice, exhibiting in a professional space and marketing. This opportunity is provided free of fees to the artists. It was held September 2017. The Senior Resident Exhibition is held annually during Seniors Week. Artists at all skill levels are invited to submit newly created works. Participating artists are drawn from community groups such as the Kalamunda Learning Centre and local arts and crafts groups. A Peoples Prize is announced at the end of the exhibition. This exhibition is free of fees to the artist. It was held in November 2017.
Healthy communities	Community Health	Local Community Health & Wellbeing Plan is delivered	1	2	2	1	Implement the Local Community Health & Wellbeing Plan.	The review of the Community Health Plan was finalised at the end of December 2017. Improvements were made to the plan both in content and readability. The draft Community Health and Wellbeing Plan will be presented to Council in the coming months for their comment and consideration.
Healthy communities	Community Health	Local Community Health & Wellbeing Plan is delivered	1	2	2	3	Establish and develop sustainable programs and activities that promote health and wellbeing for all in the City of Kalamunda.	The recreation facilities conduct regular group fitness classes, lifestyle programs, junior programs, active seniors classes and netball competitions each month. Hartfield Park Recreation Centre had a total of 4,196 participants and High Wycombe Community and Recreation Centre had a total of 300 participants in programs for the quarter.
Healthy communities	Recreation Facilities & Spaces	Attendance increased; Community are satisfied with level of service received	1	2	3	1	Ensure maximum utilisation of the City's recreation facilities by providing high quality, affordable activities, programs and support services.	High Wycombe Community and Recreation Centre had 5,468 visits in March 2018 which is above the monthly target. Hartfield Park Recreation Centre had 9,059 visits in March 2018 which is also above the monthly target. High Wycombe Community and Recreation Centre had a total of 14,380 visits for the quarter. Hartfield Park Recreation Centre had a total of 27,512 visits for the quarter.

Performance Area	Project Goal	Expected Outcome	Strategic Plan Link				Priority Action - Linked to Corporate Business Plan	Quarterly Status
Goal	Outcome	Strategy	Action					
Healthy communities	Recreation Facilities & Spaces	Attendance increased; Community are satisfied with level of service received	1	2	3	2	Oversee the effective management of the Kalamunda Water Park by the contractor, to ensure maximum utilisation of the facility and that the operational budget is maintained.	Attendance figures for the quarter were 27,670. Monthly reports are reviewed by City Officers and Belgravia Leisure to monitor attendance levels, financial results and any operational issues.
Healthy communities	Recreation Facilities & Spaces	Bike Plan is delivered	1	2	3	12	Develop and implement the Bike Plan to promote cycling in the City and to increase the number of cyclists using the bicycle network and facilities.	The Bicycle Plan 2017 was endorsed by Council in December 2017 and was released for public comment on 12 February 2018. The results will be reported to Council in May 2018.
Healthy communities	Recreation Facilities & Spaces	Community engagement; Masterplan is completed	1	2	3	14	Develop a Masterplan to guide future development of Maida Vale Reserve and consult with user groups.	Maida Vale Reserve user group surveys and the community online survey closed on 7 March 2018. Broader stakeholder and community consultation included two drop-in sessions held in February, followed by a community workshop on 1 March 2018. A draft concept plan and issues/opportunities paper has now been presented to City Officers for feedback, this will be followed by a presentation to Council of the updated draft Masterplan.
Healthy communities	Recreation Facilities & Spaces	Community engagement; Masterplan is completed	1	2	3	15	Develop a Masterplan to guide future development of Scott Reserve and consult with user groups.	A Community Sport & Recreation Facilities Funding (CSRFF) grant application was submitted to the Department of Local Government, Sport and Cultural Industries (DLGSCI) requesting partial funding for this Masterplan study. The DLGSCI recently advised the City of Kalamunda that the funding application was unsuccessful. Another CSRFF application has been submitted in the March 2018 funding round.
Healthy communities	Recreation Facilities & Spaces	Community engagement; Satisfaction with standard of parks	1	2	3	4	Ensure that the development of all future neighbourhood level parks considers the needs of families.	Jacaranda Springs Estate public open space development is now complete. Stage Two of the Ledger Road Playground upgrade is due to commence in April 2018. The new outdoor gym equipment and mini basketball court proposed for installation at Lenihan Corner, Wattle Grove are scheduled for completion in conjunction with the "Living Streams" development by June 2018.
Healthy communities	Recreation Facilities & Spaces	Community engagement; Satisfaction with standard of parks	1	2	3	5	Plan for priority park and reserve developments in accordance with the community need and the land development process.	Annual reviews of the Community Facilities Plan and the Long Term Financial Plan are undertaken to update priority park and reserve developments. Design approval received from both the Water Corporation and the Department of Water.
Healthy communities	Recreation Facilities & Spaces	Completion of redevelopment project	1	2	3	10	Design and implement the redevelopment of Woodlupine Brook including Lot 35 (348) Hale Road.	Tender for Stage 2 works (including Lot 35) awarded by Council at the Ordinary Council Meeting held on 27 February 2018, with commencement on site scheduled immediately following the 2018 Easter Break. Design for Stage 3 nearing completion, with extent of works still subject to the outcome of outstanding land acquisition. Quotation for Stage 2 Plant Supply awarded, with plant propagation continuing.
Healthy communities	Recreation Facilities & Spaces	Implemented Trails Loop projects	1	2	3	3	Progress relevant approvals and secure external funding opportunities for the Perth Hills Trails Loop Masterplan.	Trail locations and Detailed Designs for stage one of the Kalamunda Loop Trail from Kalamunda to Pickering Brook have been completed. These details and a Management Plan have been used by the Kalamunda Mountain Bike Collective to submit a funding application to Lotterywest to assist with trail development costs. The outcome of the funding application should be known by April 2018. City Officers have also commenced engaging with key stakeholders and approval authorities to progress the development of Stage Two of the trail loop project.
Healthy communities	Recreation Facilities & Spaces	Masterplan is delivered	1	2	3	16	Implement Ray Owen Masterplan subject to securing a suitable funding source.	Investigations into additional water sources for oval expansion are underway. Designs for additional car parking are in progress and will be completed in 2017/18 with a workshop for user groups held in January 2018 to help inform the design process. The power upgrade works were completed in January 2018 to provide additional capacity for future developments. It is proposed to update the Ray Owen Reserve user groups in early May.
Healthy communities	Recreation Facilities & Spaces	Parks Asset Management Plan is delivered	1	2	3	9	Develop a Parks Asset Management Plan to guide future development and maintenance programs for the City.	The Parks Asset Management Plan was completed and accepted by Council in August 2017. A draft policy was created in July 2017, and the new criteria have been setup.
Healthy communities	Recreation Facilities & Spaces	Policy is endorsed and annual program is delivered	1	2	3	13	Develop a policy and program for the implementation of new pathways.	The mapping work will proceed now through March to April with the results reported to Council in June 2018.

Performance Area	Project Goal	Expected Outcome	Strategic Plan Link				Priority Action - Linked to Corporate Business Plan	Quarterly Status
			Goal	Outcome	Strategy	Action		
Inclusive connected communities	Aged Care and Disability Services	Implemented Aged Care Strategy and advocacy for development of sites	1	1	1	4	Advocate and monitor trends in aged care to attract funding for increased housing, aged care places and service opportunities.	Meetings with relevant parliamentarians and Providers are occurring regularly and these activities are reported through to Council via the Aged Care Committee.
Inclusive connected communities	Aged Care and Disability Services	The aging population and people with disability are receiving appropriate services	1	1	1	3	Resource, deliver and regularly review the Positive Aging Plan (PAP).	<p>Council adopted an Age Friendly Strategy and Action Plan in September 2017, replacing the previous Positive Ageing Plan as the City's primary guiding document for older people. Extensive community consultation shaped the direction of the plan which focusses new activity in four key areas: Transportation, Housing, Social Participation and Communication & Information. This is in addition to maintaining existing activities and programs.</p> <p>Since then an activity schedule has been developed to progress these key areas in 2018, with some already underway or completed:</p> <ul style="list-style-type: none"> • The Age Friendly Strategy and Action Plan is available online and in hard copy, as is the now updated Seniors Information Directory • Information sessions are planned, commencing in March, including: Housing Options for Seniors, Decluttering; Plastic free living; Avoiding scams and Laughter Yoga • Intergenerational activities are also planned from March, where young and old will share technology skills, stories and photos. <p>The development of the Age Friendly Communities Plan was made possible by a grant from the Department of Communities, and this grant has now been successfully acquitted. The Plan will be implemented over a period of four years from 2017-2021 and the City is once again applying to the Department of Communities for an Implementation Grant to support an intergenerational programme.</p>
Inclusive connected communities	Aged Care and Disability Services	The aging population and people with disability are receiving appropriate services	1	1	1	5	Disability Access & Inclusion Plan (DAIP) is funded and implemented annually.	<p>Actions have now been developed against the strategies identified in the recently endorsed DAIP 2017-2022. These initiatives will build on existing activities such as an Accessible Business program and an environmental volunteering project with students from Kalamunda Education Support Senior School, as well as the introduction of new ones such as Connecting Communities, an 'all ages - all abilities' event on 26 April 2018. All activity aims to improve accessibility in the City and to help build an inclusive community.</p> <p>An Accessible Business Toolkit has been developed and was formally launched on 15 March 2018 at a Business Breakfast hosted by the City.</p> <p>Administrative support continues to be provided to the City's Disability and Carers Advisory Committee (DACAC) and the City is part of a number of other disability related networks in the metro area.</p>
Inclusive connected communities	Aged Care and Disability Services	The aging population and people with disability are receiving appropriate services; Disability Access and Inclusion Plan is delivered	1	1	1	1	External funding for PAP & DAIP actions is monitored and all grants available are sought after.	Funding sources are constantly being monitored e.g. Department of Communities, Lotterywest, State and Federal Government.
Inclusive connected communities	Cultural Diversity	Attendance at events increased, greater community engagement	1	1	2	7	Provide culturally diverse and inclusive community events that enable greater involvement from people of all cultural backgrounds.	<p>The City currently holds a number of culturally diverse and inclusive community events, with collaborations across various portfolios, with youth, seniors, libraries, environment and other business units.</p> <p>The City of Kalamunda Libraries are running free English Conversation classes. Corymbia Festival has a multicultural theme. Recent food trucks event in High Wycombe had a multicultural food component.</p> <p>Seniors Week programme has been finalised for November 2017. A series of inclusive movie nights will be held over Summer 2017/2018.</p>
Inclusive connected communities	Reconciliation	Reconciliation Action Plan is delivered	1	1	2	4	Develop, resource and deliver the Reconciliation Action Plan.	<p>An allocation was included in the 2017/18 budget to support the development of a Reconciliation Action Plan (RAP).</p> <p>A project plan has been developed and an internal project group established.</p> <p>As specialised consultation is essential to the development of the City's first RAP the services of an external consultant was required. A Request for Quotation was developed and advertised in February 2018, closing 8 March 2018, and six responses were received. The Evaluation Panel has now selected a consultant and an initial meeting will be set up with the successful consultant in mid April, with the aim of completing the development of the RAP by December 2018.</p>
Inclusive connected communities	Services for Families with Young Children	Families with young children are receiving appropriate services	1	1	2	6	Develop, resource and deliver a plan to establish support networks in the community to enable families with young children to be socially connected.	<p>The City continues to provide administrative support for the Coordination Group of the Zig Zag Early Years Partnership (ZZEYP).</p> <p>A two year Action Plan has been developed in consultation with the ZZEYP and is now being implemented. The documentation is on the City's website and has been shared, on request, with other early years' networks in WA as an example of best practice. The Action Plan will be reviewed by the Coordination Group in July 2018 and new actions/targets developed for the next two years.</p> <p>The City also continues to provide support to Child Health Centres in Kalamunda, High Wycombe and Forrestfield.</p>

Performance Area	Project Goal	Expected Outcome	Goal	Strategic Plan Link Outcome	Strategy	Action	Priority Action - Linked to Corporate Business Plan	Quarterly Status
Inclusive connected communities	Youth Services	Youth Plan is delivered	1	1	2	3	Coordinate and/or implement consultation-based programs, activities and initiatives related to the Youth Plan.	<p>The Youth Plan guides youth services, events and programmes over the next five years and focuses on four areas: participation, wellbeing, communication and organisation - with strategies, actions, timeframes and measures developed for each.</p> <p>The 2018 youth program kicked off with the ever popular 'In the Mix' music program, running throughout February and March, culminating in a live performance at the Corymbia festival on 10 March 2018. This is followed by National Youth Week events in mid April and the Careers Expo in May. New for this year is the development of a Youth Advisory Council and a range of intergenerational 'all ages, all abilities' activities in partnership with the Senior and Disability Officer.</p> <p>Throughout Terms 1 & 2, continuous engagement has continued to flourish with regular skate clinics at Forrestfield and High Wycombe Skate Parks (and in the school holidays at Kalamunda Skate Park) as well as Forrestfield Youth Initiative (FYI), a weekly after school activity/craft/healthy snack session during term times at Hartfield Park Recreation Centre.</p> <p>The youth team's Facebook page: The Influence contains more detailed information about upcoming events and opportunities and ensures we keep in regular contact with the youth community.</p>
Safe and secure communities	Community Safety	Community are satisfied with level of service received	1	2	1	1	Undertake an annual service review of capacity and procedures to ensure a well-resourced and accountable Ranger service for the community.	<p>The City Rangers currently have five full-time and two casual officers.</p> <p>The casual officers work on alternate weekends to support the permanent staff. This provides two officers each weekend, making it safer to impound and release animals plus attend to urgent business matters, for example dog attacks.</p>
Safe and secure communities	Community Safety	Community are satisfied with level of service received	1	2	1	5	Deliver an effective graffiti management plan for the City.	<p>This is an ongoing program throughout the year. Control of graffiti is being accommodated with current resources.</p> <p>During period of leave of Graffiti Officer, relief was intermittent so some areas fell behind, this is being caught up now.</p>
Safe and secure communities	Community Safety	Community are satisfied with level of service received	1	2	1	7	Investigate and implement options for a community safety education and awareness raising initiative for the City.	<p>Many local resident groups and individual residents engaged over last 3 months in bushfire prevention information sessions.</p> <p>Positions were advertised to fill two vacancies on the Community Safety Advisory Committee. Recommendations for the final appointment of the two positions will be brought to Council in the coming months.</p>
Safe and secure communities	Community Safety	Community are satisfied with level of service received	1	2	1	14	Undertake an annual service review of capacity and procedures to ensure a well-resourced and accountable Health service for the community.	<p>Statistics are being collected throughout the year to allow for the capacity of the health program to be effectively monitored. The program is currently reaching its KPIs, however there are a number of changes in legislation planned for the coming 18 months which may impact the capacity of the team.</p>
Safe and secure communities	Community Safety	Regular inspection program is delivered	1	2	1	16	Undertake playground safety compliance and condition audits.	<p>Contracted auditing and minor playground repairs currently subject to service tender and undertaken in-house by technical staff.</p>
Safe and secure communities	Community Safety	Regular maintenance program is delivered	1	2	1	15	Maintain clearances to power lines, vehicles and pedestrians.	<p>Subsequent to scheduled clearance works completion in November 2017, ongoing vegetation traffic hazard clearances and Western Power line clearance requests continue as mild season growth presents hazards.</p>
Safe and secure communities	Community Safety	Road Safety Audits completed, improvement in traffic safety	1	2	1	4	Undertake Road Safety Audits at key locations where traffic management issues have been identified.	<p>Road Safety Audits are only undertaken when a significant change in road design has happened.</p> <p>No locations needed Road Safety Audits in the March quarter.</p>
Safe and secure communities	Emergency Management	Fire Mitigation Program is delivered and budget allocated	1	2	1	11	Provide adequate resources to ensure the City is well prepared for a disaster or danger that may confront its community.	<p>The City continues to fund the DFES Community Emergency Management Officer and has a service unit dealing with Emergency Management.</p>
Safe and secure communities	Emergency Management	Regular meetings are held	1	2	1	6	Coordinate and support the ongoing function of the Local Emergency Management Committee.	<p>Local Emergency Management Committee and Recovery Groups meet regularly as required under legislation. The committee is well attended by all member agencies.</p>
Safe and secure communities	Emergency Management	Regular meetings are held	1	2	1	12	Local Emergency Management Committee (LEMC) meets quarterly.	<p>Meetings have been well attended.</p> <p>The committee meets twice a year.</p>
Safe and secure communities	Emergency Management	Regular meetings are held	1	2	1	13	The City's Emergency Recovery Committee meets regularly and receives regular training.	<p>In March 2018, a workshop was held with representatives from the City's nursing homes. The workshop addressed issues relating to the evacuation of their facilities and the need for the management of the nursing homes to plan ahead to ensure all vulnerable residents can be safely evacuated.</p>
Safe and secure communities	Fire Prevention	Compliance with fire break requirements	1	2	1	8	Continue to deliver a range of fire management services to the community in partnership with State and local volunteer services.	<p>At the end of December 2017, 18,000 properties were inspected with 1,340 work orders issued. This equates to a 92% compliance rate.</p> <p>Feedback received from residents following this season's inspection program has promoted a review of the operating procedures which govern how it is administered. This has led to some positive initiatives being proposed to allow City staff more flexibility with how they engage with our residents. The goal being to bring about a higher level of compliance before the fire season commences.</p>

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Safe and secure communities	Fire Prevention	Fire Mitigation Program is delivered	1	2	1	10	Fire Mitigation Program is developed, delivered and resourced annually with input from key stakeholders - DEC, DFES and Environmental Services.	January to March works includes the continuation of manual fuel reduction pruning and removals by cut and stack and uplifting of tree canopies to assist with mowing access. In conjunction with this a number of major fuel reduction projects have been completed to remove woody weeds across the City. All other operational programs proceed in unison for assessing and determining treatment plans for Autumn burns and mapping to record bushfire risks. The Summer Series of Movie Nights took place from January - March and has been a huge success. Planning is underway for 2019.
Vibrant and fun events	Community Events	Annual program is delivered	1	3	2	1	Deliver an annual program of City controlled community based events.	Corymbia Multicultural Festival was held on 10 March 2018 with one of the largest turnouts ever and a significant amount of positive feedback. The Corymbia Multicultural Festival is always a popular community event for everyone to be able to come together and celebrate our diversity. The day was jam-packed with fun and excitement, including multicultural food stalls, free amusement rides & inflatable fun for all ages, arts & crafts activities, face painting, market stalls. There were performances from Akwabba African drumming, Taiko Do and Phil Walley-Stack. Phil is one of Australia's top didgeridoo players and admired entertainers, who draws on his culture and life experiences to deliver powerful performances. Plus of course the ever- popular fireworks finale. One of the highlights of Corymbia is our In the Mix youth music program, who did a tremendous job. 2018 was the fifth year for the City of Kalamunda's annual youth music program, In the Mix. In the Mix gives emerging young artists the opportunity to connect, collaborate and make music with other young people in their community. In 2018 sixteen young musicians took part in the program, ranging in ages from 12 to 20. These musicians brought to the program a diverse range of instruments, talents and experience levels. The next big events for the City are the Bickley Harvest Festival in May which is supported by the City, and the Emergency Services Dinner in July, which is a part of our recognition of Emergency Services Volunteers in the District.
Vibrant and fun events	Community Events	Annual program is delivered	1	3	2	17	Deliver an annual program of civic events that builds pride and gives recognition to our local heroes (e.g. ANZAC Day, Australia Day celebrations and volunteer recognition events).	Recent Civic events delivered include two citizenship ceremonies (August, October) and Thank a Volunteer Day in December.
Vibrant and fun events	Community Events	Annual report completed and submitted to Council	1	3	2	16	Implement the City's standard evaluation process for all City events and compile an annual report to Council.	Standard evaluation process is to be implemented now that the new Policy has been adopted.
Vibrant and fun events	Community Events	Policy developed and endorsed	1	3	2	15	Develop and implement a Significant Events Sponsorship Policy to enable the annual pursuit of sponsorship funding to community groups from the City and from the corporate sector to the City.	Policy & Procedures adopted at September Ordinary Council Meeting. Roll out now underway.
Vibrant and fun events	Community Events	Process is endorsed and implemented	1	3	2	4	Design an events evaluation methodology and process for assessing the value and satisfaction levels of City organised events.	Completed and implemented.
Vibrant and fun events	Community Events	Review completed, identified initiatives implemented	1	3	2	14	Review the events strategy to ensure the delivery of high quality events.	Event Strategy has been reviewed.
Best practice waste management	Waste Management	Decrease in waste sent to landfill	2	3	1	1	Implement the initiatives from the Waste Strategy.	Ongoing progress continues to be made on implementing initiatives from the 2013-2017 Waste Strategy, which included the appointment of a Waste Education Officer to help promote recycling and reuse; improvements to battery, light globe and E-waste collection services; promotion of the skip bin service to increase utilisation and introduction of an online booking system; continuing liaison with the Eastern Metropolitan Regional Council on the implementation of a Resource Recovery Facility; introduction of recycling bins in public spaces; and introduction of less restrictive operating hours for the Walliston Transfer Station. The new draft Waste Strategy is being developed and will consider any carry forward or outstanding items from the 2013-2017 strategy.
Best practice waste management	Waste Management	Decrease in waste sent to landfill	2	3	1	2	Regularly review and update the Waste Strategy.	A presentation on the key concepts, programs and financial implications for the draft new Waste Strategy 2018-2021 was provided to the Councillor Strategic Retreat on 10 & 11 February 2018. Whilst ongoing briefings have been held it is planned to hold a Strategic Waste Day on 12 May 2018.
Best practice waste management	Waste Management	Regular meetings are held	2	3	1	4	Work with the EMRC to support the development of a secondary waste treatment plant.	City has now signed the Participants Agreement for a Waste Supply Agreement for the proposed Waste from Energy plant in East Rockingham.

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Best practice waste management	Waste Management	Review completed, identified initiatives implemented	2	3	1	5	Investigate and develop options for upgrading the Walliston Resource Recovery Facility.	Draft Redevelopment Plan received from consultants (Talis) and reviewed by Officers and an application made on 6 December 2017 to the Department of Environmental Regulation for a licence to operate the facility in accordance with the Environmental Protection Act 1986. Presented to Councillors Strategic Retreat. DEWR have sought comment on aspects around green waste, tyres etc.
Biodiversity conservation	Natural Resource Management	Action Plan developed, identified initiatives implemented	2	1	1	5	Identify City reserves prone to erosion and develop an action plan that links to elements of the City's drainage strategy and the Eastern Catchment Management Plan.	Officers responsible for drainage courses and environmental streams are working together to improve outcomes for erosion control in waterways. Principles adopted for the Eastern Catchment Management Plan are applied across detailed planning and management by officers, "Friends Of" groups and other working groups, such as the community led Forrestfield Woodlupine Brook Living Stream Project - Stage 1.
Biodiversity conservation	Natural Resource Management	Annual program is delivered	2	1	1	4	Monitor and implement an annual program to control important weeds, dieback and feral animals in City reserves, through liaison with all relevant City service areas.	The City's Phytophthora Dieback treatment program is a preventative program targeting high value bush land such as Hartfield Park and Maida Vale Reserve. Officers and "Friends of" Groups have an annual program to inject Jarrah trees with Phosphite to assist the trees with combating soil borne fungal Phytophthora infection. The autumn weed control program has commenced for standard weeds in reserves and fleabane on road verges. Officers are researching Caltrop control methods with Main Roads WA and the Department for Primary Industries and Regional Development. Caltrop is a significant agricultural threat and a hazard in amenity horticultural areas around the City. The Department of Primary Industries and Regional Development is also assisting the City to coordinate the control of rabbits in local reserves and an opportunity exists to release the rabbit virus locally. Rabbit control will be coordinated with the control of foxes who can turn to native animals in the absence of a rabbit food source.
Biodiversity conservation	Natural Resource Management	Budget allocated; Annual program is delivered	2	1	1	6	Continue to resource and implement the Woodlupine Living Stream Project.	Design approval received from both the Water Corporation and the Department of Water. Tender for Stage 2 works (including Lot 35) awarded by Council at the Ordinary Council Meeting held on 27 February 2018, with commencement on site scheduled immediately following the 2018 Easter Break. Design for Stage 3 nearing completion, with extent of works still subject to the outcome of outstanding land acquisition. Quotation for Stage 2 Plant Supply awarded, with plant propagation continuing.
Biodiversity conservation	Natural Resource Management	Framework developed and endorsed	2	1	1	2	Develop a framework that identifies all available land areas that can be rehabilitated / revegetated through offset plans for the City to utilise as environmental offsets.	A draft plan identifying key locations within the City for City project clearing offsets and private land development projects, was prepared as supporting information for the City's new Planning Strategy. This will be reviewed and included as a reference for the City's amended Scheme in 2019.
Biodiversity conservation	Natural Resource Management	Local Environment Strategy developed and endorsed	2	1	1	1	Develop and implement a Local Environment Strategy to provide strategic direction in the delivery of best practice environmental stewardship in the City.	The 2018-2019 term Kalamunda Environmental Advisory Committee (KEAC) have supported the City's community engagement strategy for gaining community environmental values and priorities. The internal and external stakeholder workshops kicked off in the first week of April.
Biodiversity conservation	Natural Resource Management	Policy completed and endorsed	2	1	1	8	Develop and implement a Significant Tree Policy to protect the tree canopy across the City.	This proposed Planning Scheme amendment is with Planning Services for possible review by Kalamunda Environmental Advisory Committee (KEAC) and reconsideration by Council. A tree protection strategy for the City is a key outcome for the current term of KEAC.
City leadership in biodiversity conservation	Environmental Partnerships	Availability of funding researched, applications & advocacy undertaken where applicable	2	1	2	4	Seek grant funding and contributions for the implementation of local environmental projects.	2017-2018 successful environmental funding projects include: - Swan Alcoa Landcare Program (SALP) 2 funding closes, for Phosphite injection Dieback treatments on Friends Group sites - Gained SALP funding for Jorgensen Park woody weed control and trail and stream restoration - Natural Resource Management funding received for planting as part of the Woodlupine Living Stream Project - Riverbank Grants are available and present an opportunity to seek funding for erosion control along waterways in locations such as Poison Gully, Crumpet Creek, Woodlupine Brook, Lower Lesmurdie Falls, or Yule Brook
City leadership in biodiversity conservation	Environmental Partnerships	Program of engagement developed	2	1	2	3	Engage with regional partners to implement federal and regional environmental goals.	Best practice environmental management is achieved through good working relationships with key stakeholders and shared responsibility managers, such as: - Eastern Metropolitan Region Council (EMRC) through the Eastern Region Catchment Management Plan (ERCMP) Member Council working and steering groups. - Water Corporation who share responsibilities for surface streams, wetlands and draining. - Department Biodiversity Conservation and Attractions with regard to biodiversity protection. - Perth Region Natural Resource Management (Perth NRM) who support skill and grant funding for the protection and enhancement of biodiversity. - Department Primary Industries and Regional Development for significant pest and weed control.
Community involvement	Environmental Partnerships	Action Plans developed	2	1	3	2	Develop annual action plans to assist groups to deliver on-ground environmental conservation programs.	Actions against progressing current action plans are being mapped and will be available on the City's GIS mapping system.

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Community involvement	Environmental Partnerships	Annual program is delivered	2	1	3	1	Deliver environmental training and events to build citizen science capacity and environmental skills.	As per 2.1.3.4.
Community involvement	Environmental Partnerships	Annual program is delivered	2	1	3	3	Deliver community environmental events, presentations, training sessions and workshops to increase environmental values.	As per 2.1.3.4
Community involvement	Environmental Partnerships	Annual program is delivered	2	1	3	4	Partner with organisations to support and train volunteers to deliver on-ground environmental conservation programs.	The City presented the Green Card program under the Member Council Eastern Metropolitan Regional Council (EMRC) Bush Skills for the Hills program.
Community involvement	Environmental Partnerships	Annual program is delivered	2	1	3	5	Partner, promote and support regional community environmental events.	The environmental events program for the year will be completed in June with community planting days, two Plants to Residents events, National Tree Day, The Forever Project - Biodiversity workshop, and Friends of Bushland Groups planting days
Contaminated sites are safe	Contaminated Site Remediation	Asbestos Management Plan resourced and delivered	2	4	1	4	Ensure that Alan Anderson and Ledger Reserves are managed in accordance with an approved asbestos management plan.	Asbestos Management Plan has been rewritten for Ledger Road Reserve. This was handed to the Department of Water Environment and Regulation and Department of Health in August 2017. The Department of Water Environment and Regulation and the Department of Health met with representatives of the City and the City's consultant 360 Environmental to discuss the document in early January 2018. Amendments are being made to the document in accordance with the advice given. An improved asbestos management plan will be provided to the Department of Water Environment and Regulation and the Department of Health in March 2018. Works to remediate Alan Anderson Reserve will be commencing in the second half of the 2017/2018 financial year. This work includes the covering of the site with fill, laying of grass and revegetation of the site.
Contaminated sites are safe	Contaminated Site Remediation	Availability of funding researched, applications & advocacy undertaken where applicable	2	4	1	2	Identify alternative funding sources to enable investigation, required remediation and land use planning to occur.	Currently only municipal funds are available for related works. Emailed the regional Environmental Health Managers to determine how they have approached this issue. Most have sought municipal funds, confirming no external funding is available at present to manage ongoing costs. Request made to WALGA regarding advocating on behalf of Local Government seeking funding from the State (waste levy) to assist in undertaking contaminated sites actions. There may be an opportunity to seek some grant funds for redevelopment from with the Commonwealth Government. Efforts are being made to identify this source and implement a project to improve some of the identified contaminated sites.
Contaminated sites are safe	Contaminated Site Remediation	Contaminated Site Management Plans resourced and delivered	2	4	1	3	Regularly review and implement contaminated sites management plans for all City sites.	Asbestos Management Plan for Ledger Road has been updated and sent to Department of Water Environment and Regulation and the Department of Health. Requests for quotes for investigative works and auditors to investigate the operations of Brand Road and Dawson Avenue have been completed and with industry for quotes. Auditor and consultant have been appointed and have met with the City in early January 2018 to finalise a plan of attack to complete the conceptual site model for Brand Road. Further meetings are planned to look at Dawson Avenue in February 2018. East Terrace Reserve has been fully remediated with a report covering works undertaken with Department of Water and Environment Regulation for their consideration. Meetings are planned with the Department of Health and the Department of Water and Environment Regulation for January 2018 to finalise the asbestos management plan for Ledger Road.
Contaminated sites are safe	Contaminated Site Remediation	Contaminated sites are transparent to community	2	4	1	1	Investigate all City controlled contaminated sites and identify potential risks and issues that require mitigation in line with Department of Water and Environmental Regulation requirements.	The Eastern Metropolitan Regional Council did not provide a quote for the ongoing management of the City's contaminated sites. The following works are underway regarding the management of the City's contaminated sites: - Brand Road (former landfill sites) soil, gas and leachate monitoring and tests have been undertaken. The site has a high level of groundwater present in the former landfill. Further tests will be undertaken to determine the source of the water. The results will be used in the production of a detailed site investigation and provide the necessary intelligence to develop an ongoing maintenance program for the site. - Dawson Avenue, investigations have commenced for the future use of the former landfill. The same consultants who are assisting with Brand Road are also working on this project for the City. - Ledger Road Reserve, works have recommenced to increase coverage of the former landfill. Amendments have been made to the site's asbestos management plan. Permanent warning signs will be installed in May - June. Works were undertaken to widen fire breaks in the reserve. The fire trails will be closed and vegetated to reduce erosion.
Contaminated sites are safe	Contaminated Site Remediation	Review completed, identified initiatives implemented	2	4	1	5	Investigate possible future uses for land within Pioneer Park.	An investigation has commenced to identify which sections of Pioneer Park are available for sustainable development.
Low carbon efficient energy	Environmental Sustainability	Annual energy use is reduced	2	2	1	4	Undertake a rolling program of energy audits to identify mitigating actions to reduce energy consumption.	This is not facilitated through a specific program for improvements and retrofits, and is currently driven through financial evaluation for operational efficiency measures.

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Low carbon efficient energy	Environmental Sustainability	Annual energy use is reduced	2	2	2	4	Use energy use data and technologies to improve efficiencies in reserve lighting, barbeques and irrigation.	Draft budget projects listed for 2018-2019 budget inclusion. Current lighting projects at Hartfield Park and Scott Reserve are in consideration of best practice.
Low carbon efficient energy	Environmental Sustainability	Plan developed and implemented	2	2	1	5	Develop a Renewable Energy Plan that identifies and implements opportunities where renewable energy can be applied to City owned facilities.	This work is not due to start until April 2018.
Water efficiency	Environmental Sustainability	Annual water use is reduced	2	2	1	3	Investigate and develop opportunities to implement efficiencies in the City's water use.	Hartfield Managed Aquifer Recharge expansion as part of the hockey fields development.
Water efficiency	Environmental Sustainability	Effectiveness reported on regularly	2	2	2	1	Finalise the implementation of the Hartfield Park water harvesting project and monitor results.	Water harvesting was initiated during July through September 2017, with some 16 million litres of water injected into the aquifer (i.e. "banked" for future irrigation use). Results analysed, with report due for presentation to the City in April 2018.
Water efficiency	Environmental Sustainability	Review completed, identified initiatives implemented	2	2	2	3	Investigate and develop opportunities to supplement the City's water requirements.	Investigation in relation to potential water availability in fracture rock formations has proven inconclusive, with investigation now focused on determining whether there are any other stormwater harvesting opportunities similar to the Hartfield Park Managed Aquifer Recharge (MAR) Project - investigations continuing.
A robust and diversified economy	Economic Development	Business community are satisfied with level of service received	3	3	1	4	Ongoing liaison with the Kalamunda Chamber of Commerce and the wider business community.	Staff continue to liaise closely with the Kalamunda Chamber of Commerce and wider business community. The two organisations collaborated on the accessible business breakfast in March. Monthly meetings have been reinstated. Actions have been allocated from the recently adopted Economic Development Strategy. The Chamber has arranged a meeting with the Shadow Tourism Minister in April with representatives from the City of Kalamunda. The close working relationship continues with the newly appointed Executive Officer.
A robust and diversified economy	Economic Development	Economic Development Strategy is delivered	3	3	1	2	Deliver the actions outlined in the Economic Development Strategy.	The Economic Development Strategy was adopted by Council in November 2017, enabling officers to identify and commence delivering priority actions during 2018. A review of the proposed program of activities has been undertaken. A meeting took place with the Kalamunda Chamber of Commerce, with an agreed focus on business capacity building, strong local identity and tourism for the remainder of the financial year. The Chamber will concentrate on delivering relevant business training and networking opportunities.
A robust and diversified economy	Economic Development	Resources are maintained and updated annually	3	3	1	3	Develop Investor Attraction resources to highlight opportunities for businesses, and continue to promote opportunities for businesses.	A concept has been developed after investigating a range of promotional material including digital platforms, video and print. A brief has been refined to focus on the digital delivery of suitable investor attraction material and quotations have been requested for a series of short videos promoting the stories of successful local businesses.
A robust and diversified economy	Economic Development	Subscriptions are current; Statistics are current and relevant	3	3	1	1	Subscribe to and develop locally-based statistical analysis capability, including Community Profile, Community Atlas, Economic Profile and Population Forecasts.	Online subscriptions were renewed for 2017/18, and continue to be promoted through regular attendance at business group meetings. The results of the 2016 Census have now been incorporated which has triggered a complete update of profile.id and forecast.id. Briefings were provided to staff and Council during March.
A robust and diversified economy	Hills Rural Study	Hills Rural Study is being achieved	3	1	1	16	Summarise the objectives, strategies and statutory actions from the Hills Rural Study for action and inclusion within the new Local Planning Strategy.	Land capability information provided by Department of Primary Industries and Regional Development (Previously Department of Agriculture). Water information provided by Department of Water and Environmental Regulation, and Water Corporation. Land capability and water information to feed into finalisation of draft Strategy. Remainder of the draft Strategy is 70% complete. Draft on track for July Ordinary Council Meeting.
A robust and diversified economy	Hills Rural Study	Hills Rural Study is being achieved	3	4	2	2	Commence a Local Planning Scheme No 3 amendment for the purpose of rationalising rural zones in the Hills Rural Study area.	Department of Agriculture land capability mapping has been completed. This is in the process of being reviewed by the City. This process is being undertaken as part of the Hills Rural Strategy and future considerations as part of the Local Planning Strategy. Department of Water are being consulted regarding water availability in the locality.
A robust and diversified economy	Hills Rural Study	Hills Rural Study is being achieved	3	4	2	3	Advocate for the Department of Primary Industries and Regional Development to initiate a study into the agricultural productivity of the Hills Rural Study area for the purpose of delineating the boundaries of a new "Priority Agriculture" zone.	Department of Agriculture land capability mapping has been completed. This is in the process of being reviewed by the City with more detailed analysis needing to be undertaken to justify the "Priority Agriculture" zone. Department of Water and Environmental Regulation and Water Corporation have provided water information which is in the process of being analysed and incorporated into the Rural Strategy.

Performance Area	Project Goal	Expected Outcome	Goal	Strategic Plan Link Outcome	Strategy	Action	Priority Action - Linked to Corporate Business Plan	Quarterly Status
A robust and diversified economy	Smart Cities	Availability of funding researched, applications & advocacy undertaken where applicable	3	3	2	3	Develop collaborations with State and/or other Local Governments to develop Smart Cities deal bids.	The City is developing a Smart Cities Deal in conjunction with EMRC Councils. The City has developed collateral to promote smart cities deals for the Forrestfield North development.
A robust and diversified economy	Smart Cities	Digital Strategy is developed and delivered	3	3	2	2	Develop and implement a Digital Strategy to attract funding through the Smart Cities program.	A community consultation process was undertaken in December 2017. The Digital Strategy will be prepared based on feedback received.
A robust and diversified economy	Smart Cities	Digital Strategy is developed and delivered	3	3	2	4	Collaborate with others to encourage and support the growth of digital entrepreneurs within the City.	The Kalamunda Chamber of Commerce has agreed to develop a panel of business mentors to assist young entrepreneurs and to facilitate new businesses from creative ideas. A consultant has been engaged to develop a Digital/Smart City Strategy for the City and consultation concluded with an online survey open until the end of February. A draft strategy is now being developed.
A robust and diversified economy	Tourism	Tourism Strategy developed and endorsed	3	4	1	5	Develop a Tourism Strategy, including examination of the Local Planning Scheme to identify changes to support tourism development.	A tourism strategy including a Destination Marketing Plan and Destination Management Plan will be developed in 2018 following the Economic Development Strategy being endorsed by Council. A workshop has been scheduled for early May to commence the consultation phase.
Accessible, well maintained and modern public open spaces and community facilities	Asset Management	Annual program is delivered	3	2	1	16	Develop a rolling 10 year program of detailed projects forming the City's capital works program for each asset class.	The City engaged with the Perth Hills Vignerons and Kalamunda Chamber of Commerce regarding potential funding for an International Wine Tourism Strategy for the Perth Hills region. The Perth Hills Vignerons decided not to proceed with the funding application. Updating the draft 10 year Capital Works Program is being progressed in accordance with the Finance Services timetable.
Accessible, well maintained and modern public open spaces and community facilities	Asset Management	Asset Management Policy, Strategy and Plans reviewed and delivered	3	2	1	1	Develop and regularly review the Asset Management Policy, Strategy and associated plans for all major asset classes, and implement all associated actions to provide strategic direction in the management of all assets.	Data collection, documentation and analyses are underway for the Roads and Drainage Asset Management Plans. Levels of service community consultation has been completed.
Accessible, well maintained and modern public open spaces and community facilities	Asset Management	Community are satisfied with level of service received	3	2	1	15	Undertake community engagement processes to establish appropriate levels of service for relevant asset classes.	Community consultation has been completed for the Levels of Service of Roads, Drainage and Pathways. The consultation closed 23 March with results due to be reported to Council in May 2018.
Accessible, well maintained and modern public open spaces and community facilities	City Branding & Style	Design concepts developed and endorsed; program of works developed	3	2	1	36	Develop a set of design concepts to reflect the character and uniqueness of the City and develop an entry statement program of work to create new and improve existing entry points including hydro-mulching, native plants, landscaping and signage.	Project placed on hold pending direction in relation to scope of work along with proposed sign locations.
Accessible, well maintained and modern public open spaces and community facilities	City Branding & Style	Report received, scope approved	3	2	1	33	Form a corporate team to develop a scope and define extent of requirements across the City for new signage.	Team is formed. Scope and requirements determined.
Accessible, well maintained and modern public open spaces and community facilities	City Branding & Style	Signage Strategy developed and endorsed	3	2	1	34	Develop a Signage Strategy and associated guidelines, including branding and Style Guide and "Park and Public Location Signs", "Tourism", "Directional Way Finding and Street Signs" and "Parking Control Signs".	Significant discussions taking place across various units. Strategy defined, implementation is subject to branding process. Asset mapping undertaken of current signage.
Accessible, well maintained and modern public open spaces and community facilities	City Branding & Style	The City has appealing streetscapes	3	2	1	17	Develop design concepts and a program for improved landscaping along the verges and median strips of the major arterial roads throughout the City that reflect a unique image for the City.	New local law being developed by Development Services, Assets also involved in developing draft directional signage. Next stage Wattle Grove tree planting Winter 2018, followed by implementation of drafted street tree planting program.
Accessible, well maintained and modern public open spaces and community facilities	Community Facilities	Availability of funding researched, applications & advocacy undertaken where applicable	3	2	1	26	Seek funding opportunities and innovative partnerships to facilitate construction of the Woodlupine Digital Community Hub.	A concept was developed and funding partners are being sought after. The project was presented to Federal Ministers during the advocacy trip in September 2017.

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			Goal	Outcome	Strategy	Action		
Accessible, well maintained and modern public open spaces and community facilities	Community Facilities	Availability of funding researched, applications & advocacy undertaken where applicable	3	2	1	28	Secure funding for the Kalamunda Community Centre from Lotterywest, State government and Federal government grants and pledges.	Funding applications were submitted to both the Federal Government and Lotterywest with a view to securing significant funding towards the development of Kalamunda Community Centre (KCC). Since then, staff have been in regular communication with a number of funding bodies, monitoring the application and providing additional information as requested. Election pledges are also being followed up as part of this process. The KCC application has been presented to the Lotterywest Board for consideration.
Accessible, well maintained and modern public open spaces and community facilities	Community Facilities	Building Rationalisation Program is delivered	3	2	1	25	Following consultation and in line with the approved Building Rationalisation Program, undertake programmed demolitions.	Three demolition projects approved as part of the 2017/2018 Capital Works Budget, with demolition undertaken during September 2017.
Accessible, well maintained and modern public open spaces and community facilities	Community Facilities	Kalamunda Community Centre completed	3	2	1	30	Design and construct the Kalamunda Community Centre.	Progress on this project is subject to finalisation of the funding partners and associated agreements. Awaiting funding contribution from the State Government.
Accessible, well maintained and modern public open spaces and community facilities	Community Facilities	Recommendations on a program to address underutilised facilities	3	2	1	24	Develop a program and undertake consultation with community groups impacted by any proposed rationalisation and ensure they have alternative arrangements in place.	The potential rationalisation of Carmel Hall and Toy Library are being considered as part of the Kalamunda Community Learning Centre redevelopment project. Rationalisation projects completed for 2017/18 so far include the Pioneer Park Pavilion, Tennis Club Shelter located at the Pickering Brook Sports Ground and the Administration Green Room.
Accessible, well maintained and modern public open spaces and community facilities	Community Facilities	Review completed, identified initiatives implemented	3	2	1	21	Undertake a review of the 10 year priority actions outlined within the Community Facilities Plan, on an annual basis.	Annual priorities are to be workshopped with Councillors during May and June 2018 as part of the Annual Budget deliberation process and Long Term Financial Plan.
Accessible, well maintained and modern public open spaces and community facilities	Industrial Development	Forrestfield/High Wycombe Industrial Area Stage 1 infrastructure is delivered	3	2	1	23	Following land acquisitions - design and deliver priority infrastructure with available funds in the Forrestfield/High Wycombe Industrial Area Stage 1 Developer Contributions Plan.	Nardine/Ashby Upgrade & Extension (Portions A & B): Project to be recommenced following Easter, with status summarised as follows: Portion A - 90% complete with pathway and the remaining 20% of stormwater swales to be constructed following completion of street lighting upgrade for which a quotation has now been approved, with these works to be progressed in conjunction with Portion B works. Portion B - 70% complete with asphaltting of the road extension completed, with redesign of the proposed widening of the Ashby Close carriageway and associate cost estimates now approved. Works are to be progressed in conjunction with outstanding works associated with Portion A along with proposed street lighting upgrade for both Nardine Close and Ashby Close. Nardine/Milner Intersection Upgrade: Land acquisition finalised and Western Power works completed. Certified drawings and specification were to be presented early February 2018 however, the impact of recently installed ATCO Gas and Western Power underground services remains under review. A construction cost estimate has been received from the City's Design Consultant however, this may need to be revised pending outcome of the services review. Ashby/Berkshire Intersection Upgrade: Relocation of the boundary fence impacted by the change of property boundary completed, with property utility services still to be relocated. Western Power have scheduled the relocation works relating to the existing street lighting. Certified drawings and specification presented early February 2018 followed by the construction cost estimate now received from the City's Design Consultant. Dundas/Berkshire/Milner Intersection Upgrade: Land acquisition finalised. Western Power has scheduled undergrounding of existing overhead power infrastructure and installation of new street lighting. Certified drawings and specification presented early February 2018 however, the impact of recently installed Western Power underground services is under review. A construction cost estimate has been received from the City's Design Consultant however, this may need to be revised pending outcome of the services review. Road 2A: Certified drawings, specification and the construction cost estimate has been received from the City's Design Consultant, with the project placed "On Hold" pending completion of Nardine/Ashby Upgrade & Extension works and receipt of "Intersection" cost estimates in order to review Scheme costs and confirm direction.
Accessible, well maintained and modern public open spaces and community facilities	Recreation Facilities & Spaces	Availability of funding researched, applications & advocacy undertaken where applicable; Stirk Park Masterplan delivered	3	2	1	31	Identify funding and oversee the effective implementation of the Stirk Park Masterplan.	In November 2017 Council endorsed the Stirk Park Masterplan with the addition of a request for a skate park design to be considered. Community consultation to consider the addition of a Skate Park Facility in the designs commenced in late March, with public comments closing on 25 April 2018.
Accessible, well maintained and modern public open spaces and community facilities	Recreation Facilities & Spaces	Hartfield Masterplan delivered	3	2	1	29	Complete the design and construction of the Hartfield Park Masterplan.	Construction of Hockey Playing Fields nearing completion. Tender awarded by Council for the construction of the Hockey Clubrooms at the Ordinary Council Meeting held on 27 February 2017, with commencement on site due in early April 2018.
Accessible, well maintained and modern public open spaces and community facilities	Recreation Facilities & Spaces	Public Open Space Strategy developed and endorsed	3	1	1	18	Complete and implement the Public Open Space Strategy to identify upgrade and rationalisation options.	Final Public Open Space Strategy to go to Council at the May Ordinary Council Meeting.

Performance Area	Project Goal	Expected Outcome	Strategic Plan Link				Priority Action - Linked to Corporate Business Plan	Quarterly Status
Accessible, well maintained and modern public open spaces and community facilities	Strategic Planning	Environmental Planning Strategy developed and endorsed	3	1	1	19	Prepare an Environmental Planning Strategy to identify key environmental considerations as an input into the new Local Planning Strategy.	Draft strategy finalised. Delays with mapping being finalised due to internal resourcing. Peer-review / gaps analysis currently underway.
Accessible, well maintained and modern public open spaces and community facilities	Wattle Grove Cell 9 Project Management	Cell 9 infrastructure is delivered	3	2	1	9	Following land acquisitions - design and deliver priority infrastructure with available funds in the Wattle Grove Cell 9 Developer Contributions Plan.	Hale Road "Temporary" Pedestrian Crossing (opposite Wattle Grove Shopping Centre): Completed 2016/2017. Hale Road Widening: Project split into two stages with a quotation for design review closing early April 2018. Construction for the section between Welshpool Road East and the Wimbridge/Arthur Roundabout to follow, with land acquisition relating to the section from the roundabout to Tonkin Highway continuing. Sheffield Road Rehabilitation: Road resurfacing completed late 2016/2017. Sheffield Road Street lighting Upgrade: Design under review by Western Power. Wimbridge Road Extension: Practical completion for the works issued late 2016/2017, with the road connection opened for public use in September 2017 and all outstanding matters arising following issue of Practical Completion finalised in December 2017. Landscaping works to the new roundabout completed in December 2017, with maintenance and hand watering continuing through to June 2018. Hale Road Culvert Extension and Retaining Wall: This work has been included as part of the Woodlupine Brook Living Stream Stage 2 package. Woodlupine Brook Pedestrian Bridge: Bridge opened for public use mid-October 2017. Temporary Pathways: Pathways completed in relation to connection of existing pathway infrastructure and the pedestrian bridge with the new Wattle Grove Shopping Centre. Design approval received from both the Water Corporation and the Department of Water. Tender for Stage 2 works (including Lot 35) awarded by Council at OCM held on 27 February 2018, with commencement on site scheduled immediately following the 2018 Easter Break. Design for Stage 3 nearing completion, with extent of works still subject to the outcome of outstanding land acquisition. Quotation for Stage 2 Plant Supply awarded. with plant propagation continuing.
Activity centres activated and modernised	Forrestfield North	Forrestfield North Local Structure Plan finalised	3	1	1	13	Plan for sustainable land use options around the future railway station. Manage consultant team to deliver structure plans to facilitate subdivision and development.	Consultant team progressing Forrestfield North Local Structure Plans. Initial planning concept prepared and being progressed through State Government reference group and in conjunction with Metronet. Local Structure Plan documentation in the process of being prepared. Key consideration in preparation of the plans is the environmental approvals and acquisitions. Working through this with key agencies. March 2018 Newsletter has been sent to landowners notifying of revised timeframes and reasons for delays. Residential Precinct Local Structure Plan scheduled to be presented to Council for public advertising 30 April 2018 Special Council Meeting. Transit Oriented Development Precinct delayed due to state government decision regarding car parking.
Activity centres activated and modernised	Sustainable Activity Centres	Activity Centre Plans developed	3	1	1	12	Develop Activity Centres Plans for Kalamunda and Forrestfield reflecting sustainability principles into these plans.	Kalamunda Activity Centre Plan in the process of being prepared by consultants Urbis, with key inputs being provided by the City. Forrestfield Activity Centre Plan on hold pending finalisation of the traffic study into Hale Road.
Activity centres activated and modernised	Sustainable Activity Centres	Activity Centre Strategy developed and endorsed	3	1	1	14	Prepare an Activity Centre Strategy to identify City wide future retail demand and outline how existing and future activity centres should develop as input for a revised Local Planning Strategy.	Activity Centre Strategy in the process of being prepared. Retail planning consultant has finalised retail planning analysis with outcomes being incorporated into the report. Delayed due to ABS statistical data being released. Activity Centre precinct plans in the process of being finalised.
High quality and diverse built environment	Development Design	Design guidelines developed	3	1	1	28	Utilise the Design Advisory Panel to develop design guidelines for precincts throughout the City.	To be progressed as part of Activity Centre Plans for Kalamunda and Forrestfield. Kalamunda currently in the process of preparation. Forrestfield on hold pending finalisation of the traffic study on Hale Road.
High quality and diverse built environment	Planning Services	Community are satisfied with level of service received	3	1	1	30	Regularly review, map, benchmark and improve planning approval processes with a view to increasing customer satisfaction levels.	Requested new Crystal reports from ITVision to establish benchmarks for basic, standard and complex planning application processing times. Information sheets and planning policies currently under review. Development application checklist and general application information continually being reviewed for improvement. Customer feedback forms currently being drafted to gauge satisfaction levels and implement process improvements where appropriate.

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Goal	Outcome	Strategy	Action					
High quality and diverse built environment	Planning Services	Community are satisfied with level of service received	3	1	1	31	Gather, monitor and examine customer feedback through regular surveys and feedback processes to continually identify and improve the customer interface with planning processes.	Currently drafting customer feedback response for all approval letters. Ongoing review of all application checklist forms to better inform applicants of City requirements. Tracking of planning applications and online lodgement of planning applications currently being discussed with IT and ITVision. Business Case to be prepared for budget allocation.
High quality and diverse built environment	Planning Services	Community are satisfied with level of service received	3	1	1	32	Develop customer friendly process maps and guidelines and make them readily available to the public.	Prepared customer information sheets to accompany the development application checklists. Information Sheets currently being reviewed and improved to assist the customer on planning related matters. Process mapping being undertaken for statutory planning and building.
High quality and diverse built environment	Planning Services	Community are satisfied with level of service received	3	1	1	33	Implement online self-service building and planning approval software.	Working with ITVision to improve current online building application module and introduce online planning application tracking module. The business case for the online tracking module has been prepared and is currently with IT for review and actioning.
High quality and diverse built environment	Planning Services	Identified timeframe and improvement in agreed planning categories reported to Council	3	1	1	34	Develop, monitor and report KPIs to ensure all approvals are processed within agreed timeframes and are advertised and communicated broadly and effectively.	Key Performance Indicators for 2017/18 finalised. Reporting monthly to ensure statutory timeframes are met. Local Planning Policy P-DEV 45 Public Notifications has been reviewed and changes made to ensure more effective advertising of applications particularly in relation to significant applications. The Policy was adopted by Council at the December 2017 Ordinary Council Meeting and is now being implemented. For significant planning applications, community information session are now held.
High quality and diverse built environment	Planning Services	Review completed, identified initiatives implemented	3	1	1	29	Undertake regular biennial reviews of all Planning policies to ensure they are current, relevant and work in the interest of the community.	Approval Services are currently reviewing all existing planning policies, and preparing new policies where appropriate. Planning Policies Adopted: P-DEV 60 - Design Advisory Committees - Adopted by Council July 2017 OCM. P-DEV 61 - Retention and Upgrade of Existing Dwellings - Adopted by Council July 2017 OCM. P-DEV 56 - Family Day Care Centres and Child Care Premises - Adopted by Council November 2017 OCM P-DEV 54 - Dual Density Guidelines - Adopted by Council November 2017 OCM. P-DEV 45 - Public Notification of Planning Proposals - Adopted by Council at the December 2017 OCM. P-DEV 20 - Outbuildings and Sea Containers - Adoption at the February 2017 OCM. New Planning Policies: P-DEV 57 - Street Fences, Walls and Gates - Advertising concluded, to be considered at the May OCM. P-DEV 55 - Place of Worship - Advertising concluded, to be considered for final approval at the April OCM
Sustainable built environments	Diverse & Sustainable Housing	Strategy is developed and endorsed; Density targets are delivered	3	1	1	1	Prepare a Housing Strategy to identify future density and redevelopment areas as input for a revised Local Planning Strategy.	Geographical Information System mapping being prepared. Strategy actions identified, currently in the process of being refined. Draft strategy documentation in the process of being prepared and reviewed.
Sustainable built environments	Industrial Development	Contribution scheme is managed correctly	3	1	1	24	Undertake an annual review of the Forrestfield/High Wycombe Industrial Area Stage 1 Developer Contributions Plan including effective regular consultation with landowners.	Developer Contributions Plan annual review currently being advertised for public comment. Landowner newsletter drafted and consultation with landowners scheduled for 27 April 2018.
Sustainable built environments	Industrial Development	Forrestfield/High Wycombe Industrial Area Stage 1 infrastructure is delivered	3	1	1	25	Facilitate land acquisitions and works agreements for Forrestfield/High Wycombe Industrial Area Stage 1 scheme infrastructure.	All priority agreements finalised. Outstanding acquisitions, waiting additional funds: Lot 50 Sultana Road West. Lot 51 Sultana Road West.
Sustainable built environments	Industrial Development	Industrial Development Strategy developed and endorsed	3	1	1	17	Prepare an Industrial Development Strategy to identify and justify future industrial land in the City as an input into the new Local Planning Strategy.	Draft document has been prepared. Scheduled for presentation to Council for public advertising May/June round of meetings. Investigations taking place into future industrial areas in Wattle Grove.

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Sustainable built environments	Strategic Planning	Feasibility study completed	3	1	1	27	Commence feasibility investigations for a new urban cell in the Wattle Grove East area.	Quotations finalised, consultants engaged. Feasibility study including Metropolitan Region Scheme (MRS) amendment request in the process of being prepared. MRS amendment area being finalised. Strategic infrastructure being explored with key agencies including Water Corp and Main Roads WA. Water monitoring quotations being sought. Meetings with WAPC have occurred regarding the timing of development and rezoning.
Sustainable built environments	Strategic Planning	Infrastructure and Servicing Strategy developed and endorsed	3	1	1	15	Develop and implement an Infrastructure and Servicing Strategy to inform future transport and infrastructure planning within the City, ensuring an emphasis on alternative transport modes and utility service provision in the City's future growth areas.	Draft mapping prepared. Scope of works has been developed with the initial drafting of the document underway. Project timeframes stretched primarily because of resourcing constraints relating to staff movements.
Sustainable built environments	Strategic Planning	Local Planning Scheme is current	3	1	1	20	Undertake a review of Local Planning Scheme No 3 (Amendment 83).	Amendment 83 report finalised and was adopted by Council at the December 2017 Ordinary Council Meeting. Documentation has been sent to the Western Australian Planning Commission (WAPC). Officers are working through detailed drafting edits with WAPC before it is presented to WAPC for adoption.
Sustainable built environments	Transport Options	Availability of funding researched, applications & advocacy undertaken where applicable	3	2	2	3	Investigate and advocate for opportunities and partnerships for securing grants to improve cycle ways and trails.	Meetings have been held with relevant members of parliament seeking funds for the Kalamunda Trails Loop project - no funding is available to date. The Bike Plan was approved for public consultation in December 2017. Community Cycling Reference was established in July 2017 to consider suitable cycle routes.
Sustainable built environments	Transport Options	Availability of funding researched, applications & advocacy undertaken where applicable	3	2	2	4	Investigate funding opportunities and partnerships for Travel Smart initiatives to be implemented.	The PTA have been approached and are reviewing bus routes to increase public transport availability to coincide with the Forrestfield train line.
Sustainable built environments	Transport Options	Review of bus services undertaken and reported	3	2	2	2	Develop relationships with key Ministers and officers in the Public Transport Authority and seek to undertake a review of bus services throughout Kalamunda, as well as feed in services to the Forrestfield railway station.	The City has written to the PTA to seek a status on any future bus planning for Kalamunda, and was advised that as part of the FAL project, 26 new buses will be purchased. This as well as more bus kilometres will provide better feeder services to both Belmont and Forrestfield stations. Transperth will carry out further modelling closer to the opening of the Forrestfield Line to ensure we use up to date population / usage figures. The analysis will include consultation with local residents. A similar process was done for both the Joondalup and Mandurah Lines. PTA have assured that there will be improvements to the bus feeder services in Forrestfield.
Sustainable built environments	Wattle Grove Cell 9 Project Management	Cell 9 infrastructure is delivered	3	1	1	23	Facilitate land acquisitions and works agreements for Wattle Grove Cell 9 scheme infrastructure.	Agreements being progressed: Priority acquisitions have been finalised. Lot 2 Hale Road - negotiating with Assets regarding access issues. Lot 28 Hale Road - price issues, waiting revaluation and revised DCP review.
Sustainable built environments	Wattle Grove Cell 9 Project Management	Review completed	3	1	1	11	Undertake an annual review of the Cell 9 Developer Contributions Plan.	2017-18 annual review in the process of being prepared. Land valuations complete. Infrastructure estimates being reviewed by the City's assets team. Administration costs have been reconciled by the City's finance team.
Corporate capacity and capability	City Branding & Style	Review completed, identified initiatives implemented	4	1	1	69	Undertake a review of the City's brand and style guide and implement.	Creative ADM appointed and working on concepts. Review is complete. Draft materials for the new Style Guide currently under development. Community engagement to be undertaken over April - May 2018.
Corporate capacity and capability	Continuous Improvement	Agreed target service level improvements	4	1	2	49	Undertake annual service reviews of all service areas to identify operational improvements in efficiency or organisational capacity.	Service reviews completed and presented to the Councillors in February 2018.

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			Goal	Outcome	Strategy	Action		
Corporate capacity and capability	Continuous Improvement	Annual training program delivered	4	1	2	53	Continue to implement the Kalamunda GROW program to develop a resilient, well trained and highly effective organisation.	GROW programs are underway. This currently includes: (1) Executive Team Coaching, Leadership Development and Frontline Management activities under way (2) Information Technology needs analysis (3) Coaching for managers in Project Management, and developing Project Management Framework (4) Coaching manager in Risk Management (5) Process improvement development (AIM) (6) Verbal judo training for compliance employees (7) Safety coaching training program is about to roll out
Corporate capacity and capability	Customer Service	Customer Service Strategy developed, endorsed and delivered	4	1	2	48	Develop, resource and regularly review the Customer Service Strategy to provide a coordinated approach to service delivery that provides for ongoing improvements to customer services for the whole City.	The City of Kalamunda has launched a new customer service strategy for residents and ratepayers, following its adoption in November 2017. For the first time the City of Kalamunda has introduced the new strategy to assist with ongoing initiatives for better working relationships. The Customer Service Strategy 2017 – 2021 (the Strategy) is the catalyst for bringing together an ongoing program of initiatives to focus the City on continually improving the customer service experience in all spaces. The new strategy outlines the key principles, strategies, actions, and performance measures for improved customer service standards over the next four years. <ul style="list-style-type: none"> • Strive to achieve a new customer service ethos and deliver on the customer service promise and principles • To culturally optimise the organisation to achieve best practice customer service outcomes • To support and train staff to feel empowered, be proactive and work collaboratively toward business objectives and customer service excellence • To effectively communicate with our customers, internally and externally. The strategy responds to consistent feedback themes from internal and external customer bases around: <ul style="list-style-type: none"> • Customer service standards • Timely and effective communication • Consistently reviewing enquiry handling processes • Respect, honesty and professionalism • Self-service options and accessibility through technology enablement • Automated transactions • Less referrals across the organisation • Offering options and customised services. The Strategy addresses these under five key principles and outlines, objectives, actions and measures within three focus areas. 1. Service Standards: Methods for setting standards and working together better. 2. Communication & Culture: Staff engagement, motivation and skill development. 3. Technology: Systems, tools and processes to support customer service delivery.
Corporate capacity and capability	Customer Service	Training program delivered	4	1	2	34	Oversee an annual training program for all customer service staff across the City.	Training is being undertaken in accordance with the GROW program and with the City's performance review system, PES.
Corporate capacity and capability	Emergency Management	Business Continuity Plan reviewed and implemented	4	1	2	31	Develop and regularly review the City's Business Continuity Plan, to provide an effective response to major risks that may significantly threaten business operations.	The City of Kalamunda's main IT site is now in Shenton Park, with the disaster recovery site 400km North in Geraldton. This provides us with flexibility of access, and ensures that if the administration building is knocked out, that access to vital city information will still be possible. IT Business Continuity and Disaster Recovery plans will be linked together under the overarching City Business Continuity Plan.
Corporate capacity and capability	Information Technology Development	Business processes identified and entered into the Promapp system	4	1	2	30	Create a team to review, map and reengineer where possible for improvements in corporate efficiency, all business processes and document in readiness to upgrade corporate systems.	Process Mapping training will be provided in two parts. One, with the GROW Program, where staff will learn about Process Mapping. The second will be training on Promapp, to make full use of the system.
Corporate capacity and capability	Information Technology Development	Current Corporate Systems reviewed, issues or gaps identified, solutions developed in collaboration	4	1	2	74	Continue to work positively within the Altus Collaboration Consortium to upgrade all key corporate systems.	Three Altus Development Consortium products currently being worked on: Inspections, Tenders, and General Ledger. Tenders is nearing completion, and is due for release to staff at the end of January 2018. Inspections is expected to be completed in late February. The Inspections Module will have a significant impact on reducing double handling, use of paper forms, and time lost with travelling to the Administration Centre to input data. The Altus General Ledger module is a significant project, and is likely to be completed in the middle of 2019. Visioning exercises have been completed, and process maps have been provided to IT Vision.

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Corporate capacity and capability	Information Technology Development	Information Communication Technology Strategy is delivered	4	1	2	6	Implement the Information Communication Technology Strategy and report progress against the plan quarterly.	The 7 Key Focus Areas covering some 35 projects are now available on the Intranet for perusal. These are updated as required by Information Communication Technology / Corporate Systems. Cloud Migration completed. Altus Development Consortium projects are ongoing and on track. Security is being improved with Manage Engine and working with Asterisk Human Capital - First round of staffing reviews complete. Current focus is on delivery of Altus Projects and Information Security.
Corporate capacity and capability	Information Technology Development	Mobile applications developed and implemented	4	1	2	28	Investigate, identify, test and implement the use of mobile technology applications to drive efficiency for officers in the field.	The Inspections Module, that is part of the Altus Collaborative Development Consortium (ACDC) project, continues. The Inspections Module will make mobile the Swimming Pool Inspections, Fire Prevention Inspections, and Health Inspections. It is currently at the first beta stage. Working in collaboration with the Community Safety team, a new device has been installed into 7 Council vehicles which provides them with better network connectivity to allow the inspections team to undertake their inspections and record them in situ.
Corporate capacity and capability	Information Technology Development	New records management system implemented	4	1	2	72	Investigate and replace/upgrade the City's records management system with a modern and highly efficient and effective system.	Power User and General User training to occur with Altus ECM (the new record management system) in March and April.
Corporate capacity and capability	Information Technology Development	New records management system implemented	4	1	2	73	Ensure the City's records are maintained in accordance with the State Records Act.	The Records system is currently compliant with the State Records Act 2000. Once the new Records System is in place, a new Record Keeping Plan will need to be submitted to the State Records Office.
Corporate capacity and capability	Information Technology Development	Online "self-service" applications developed and implemented	4	1	2	68	Develop and implement online application services to streamline and improve customer access to all transactional services.	A Dogs and Cats Renewal Module has been procured, which just missed out on the renewal period. Will seek to move the Building Module to be accessible by all. Various other products will come online with the Altus Development Consortium project.
Corporate capacity and capability	Information Technology Development	Process is developed and implemented	4	1	2	12	Design and implement an electronic archiving process to transfer City records from paper format to electronic.	Altus ECM has been procured. A high speed scanner, which is part of the requirements for the Accounts Payable automation, has been procured. These will both be important in moving documentation from hard copy to electronic. Scanning software for the Accounts Payable automation is being reviewed, and a business case has been created.
Corporate capacity and capability	Internal Audit	Annual audit program is delivered and reported	4	1	2	7	Develop and deliver an annual rolling performance audit program of policies, processes, systems and financial controls.	The Auditors have completed the Annual Audit work for the 2016/17 Financial Year. The Internal Audit function has been outsourced and the City is currently in the process of awarding an Audit contract for two years.
Corporate capacity and capability	Internal Audit	System audit completed and reported	4	1	2	83	Undertake a system audit of key financial controls every two years and report through the Audit and Risk Committee.	The City has completed a system audit of key financial controls and is planning the Audit program for the next round of financial control audits.
Corporate capacity and capability	Legal Services	Legal Framework developed and implemented	4	1	1	68	Design and develop a legal framework, including policies and procedures for ensuring legal advice is managed effectively.	Introduced internal General Counsel Advice Request forms and procedures, Legal and Governance file protection and allocation/recording system established. Security/ permissions allocation upgraded and refined to necessary staff.
Corporate capacity and capability	Occupational Safety & Health	Regular meetings are held	4	1	2	87	Identify and proactively pursue improvements to workplace safety through the Occupational Safety & Health Committee.	All Occupational Safety & Health Committee actions are on track.
Corporate capacity and capability	Occupational Safety & Health	Safety Management Plan maintained and reported	4	1	2	86	Monitor and report on all OSH issues and the progress of all mitigation actions.	Safety action plans are on track and reported to the Committee. Occupational Safety & Health policy refreshed.
Corporate capacity and capability	Policies	Induction; Ongoing training sessions; Policy Register maintained and all staff and Councillors aware of how to access	4	1	1	63	Ensure that ongoing training and awareness raising of Council and City policies is provided to Staff and Council.	Ongoing as necessary, or otherwise as policies are reviewed or introduced.
Corporate capacity and capability	Policies	Review completed; Policy Register maintained and all staff and Councillors aware of how to access	4	1	1	64	Undertake a complete review of all Council and City policies every two years and ensure all policies are easily accessible.	All policies and procedures presently under review. Preparation of global policy review report expected early to mid 2018.
Corporate capacity and capability	Statutory Compliance	All local laws reviewed within statutory timeframe	4	1	1	39	Ensure all local laws are current and relevant, either by developing new or amending existing local laws, as required.	All local laws subject to ongoing review. Current internal working group has been formed and meets monthly to consider local laws to be amended, repealed, replaced or introduced.

Performance Area	Project Goal	Expected Outcome	Goal	Strategic Plan Link Outcome	Strategy	Action	Priority Action - Linked to Corporate Business Plan	Quarterly Status
Corporate capacity and capability	Statutory Compliance	All local laws reviewed within statutory timeframe; Land use compliance monitored and breaches acted on	4	1	1	67	Ensure local laws and land use compliance in accordance with relevant legislation and City assets are protected.	Local law review progressing, including review of guiding plan.
Corporate capacity and capability	Statutory Compliance	Annual Audit and Annual Report completed within statutory timeframes	4	1	2	80	Ensure the annual audit and annual report are completed before December each year.	Audit Report signed off on 13 October 2017. The Report and Financial Statements have been sent to the Department in line with the regulations.
Corporate capacity and capability	Statutory Compliance	Budget variance within 10% and completion by May	4	1	2	79	Prepare and adopt an Annual Budget to guide the distribution of funding for City operations in line with Local Government Financial Regulations.	The Annual Budget timetable has been presented to management, detailing key dates and the first and mid term budget reviews.
Corporate capacity and capability	Statutory Compliance	Compliance Audit completed accurately within statutory timeframe	4	1	1	5	Ensure the Compliance Audit Return is completed and lodged on time in accordance with the Local Government Act.	Strategic Service work commencing in January 2018.
Corporate capacity and capability	Statutory Compliance	Financial ratios determined and reported	4	1	2	81	Ensure financial ratios are closely monitored and used to drive budget decisions and are regularly reported to Council.	Capital Budgets updated with actuals as of December 2017 and released to Operations staff for review.
Corporate capacity and capability	Statutory Compliance	Register kept in accordance with Local Government Act	4	1	1	7	Ensure the gift register is maintained and Staff and Councillors are aware of their requirements to disclose.	Incorporated Business Unit Planning and Performance metrics into budget planner.
Corporate capacity and capability	Statutory Compliance	Review completed within statutory timeframe	4	1	1	6	Ensure the Delegations Register is reviewed annually, in line with the Local Government Act.	Compliance Audit Return was lodged on Thursday 29 March 2018, as required by regulation 15 of the Local Government (Audit) Regulations 1996 (WA).
Corporate capacity and capability	Workforce Planning	Survey distributed to all staff for completion every two years	4	1	2	90	Undertake an employee perceptions and satisfaction survey (Organisational Health Check) every two years.	Under review each month.
Corporate capacity and capability	Workforce Planning	Survey results reported, strategies developed	4	1	2	91	Develop strategies to address issues arising from the staff survey and incorporate into the Workforce Plan reviews.	Asset Ratios are heavily impacted with the higher depreciation for the infrastructure category.
Corporate capacity and capability	Workforce Planning	Workforce Plan is delivered, actions entered into interplan for monitoring	4	1	2	89	Implement the actions outlined in the Workforce Plan, monitor progress against actions and report progress against actions through the corporate reporting systems.	Adoption of new Revenue Standards will have a negative impact on Current and Own Source Ratios as prepaid rates will no longer be required to be recognised as income in the year of receipt.
Corporate capacity and capability	Workforce Planning	Workforce Plan review completed	4	1	2	88	Annually review and refine the City's Workforce Plan and undertake a major review every four years.	Ongoing. Process under review to ensure online versions available at all times.
Outstanding leadership	Advocacy	Advocacy Strategy developed and endorsed	4	2	2	3	Develop and implement an Advocacy Strategy to support the City's approach to professional advocacy.	Reviewed once every financial year pursuant to section 5.46(2) of the Local Government Act.
Outstanding leadership	Advocacy	Increase in project ready plans identified for funding opportunities	4	2	2	4	Maintain a regular annual program of engagement with all local State and Federal politicians, all Ministers and all Shadow Ministers.	Survey complete.
Outstanding leadership	Advocacy	Regular meetings are held	4	2	2	6	Continue to participate in activities concerning the Perth Airport.	Actions are on track.

Performance Area	Project Goal	Expected Outcome	Goal	Outcome	Strategy	Action	Priority Action - Linked to Corporate Business Plan	Quarterly Status
Outstanding leadership	Advocacy	Representation on external bodies maintained or increased	4	2	2	5	Actively seek City representation on external bodies and provide support to Elected Members and Senior Officers to actively participate in professional and/or industry disciplines that will further enhance the image of the City.	The City has broad representation on external committees including WALGA State Council, EMRC, RDA, IPWEA, LGMA, Parks and Leisure Australia, Kalamunda Chamber of Commerce, IPWEA Asset Management Group, LG Chief Officers group, Perth Airport Management Group, Planning Institute Australia, and supports many local groups through its community development efforts.
Outstanding leadership	Councillor Support	All new Councillors receive induction, at least one training session held per year	4	1	1	11	Ensure effective induction and ongoing training is provided to Elected Members.	Induction training undertaken from October with Councillors. In house seminar series to be provided on various topics throughout each year. Training also available through Western Australian Local Government Association.
Outstanding leadership	Councillor Support	Governance & Policy Framework review undertaken	4	1	1	40	Ensure that the Governance & Policy Framework is used to guide Councillors and is reviewed every two years prior to Council elections.	The Governance and Policy Framework has been reviewed and was accepted by Council in November 2017.
Outstanding leadership	Risk Management	The City has a transparent risk framework that is constantly being monitored	4	1	2	84	Implement the City's Risk Management Plan and identify major risks, determine risk tolerance levels and apply mitigation responses.	The City's Risk Management Plan has been implemented and the revised Risk Profile was endorsed by Council in November 2017. Council reviewed the Risk Profile as part of February's Strategic Review.
Outstanding leadership	Statutory Compliance	Code of Conduct reviewed and endorsed	4	1	2	77	Review the City's current Code of Conduct in alignment with the release of a Model Code of Conduct for local government and implement through induction, ongoing training and awareness-raising.	Code of Conduct for Elected Members and City Staff was reviewed in March 2017. Ongoing training and awareness raising to be provided through in house seminar series.
Participation & consultation	Community Consultation, Communication & Engagement	Annual perception survey is undertaken and reported to Council	4	1	2	71	Conduct a biennial survey of residents to measure community perception of City services.	Catalyse perception survey market research phase complete. Report currently being finalised. Presentation to take place in April 2018.
Participation & consultation	Community Consultation, Communication & Engagement	Improvement in community engagement perception	4	2	1	1	Implement the actions outlined in the Community Engagement Strategy, to deliver best practice approaches for community engagement initiatives.	The Community Engagement Strategy, Kalamunda Engages, is being used as a tool to deliver the City's ongoing community engagement activities. Quotes have been sought for in-house Engagement Training.
Participation & consultation	Community Consultation, Communication & Engagement	Improvement in community engagement perception	4	2	1	10	Utilising the GROW program, develop an ongoing training program for all staff involved in community engagement, raising awareness of the City's Strategy and processes.	Work is underway on how the program will be structured and delivered, in conjunction with the results of the staff survey. Induction process is including a significant focus on Community Engagement for all new staff, with the policy, procedure and strategy and tools all explained and sent to all new staff. Also available in the intranet and sent to all Managers post adoption. Formal training across the organisation to commence in April 2018.
Participation & consultation	Community Consultation, Communication & Engagement	New website implemented, other digital platforms investigated and developed as appropriate	4	1	2	69	Improve communication with the community through the ongoing review and development of the website and other digital platforms.	Web maintenance ongoing. New web development due before the end of the financial year.
Participation & consultation	Community Consultation, Communication & Engagement	Program of engagement developed	4	2	2	2	Continue to hold regular meetings with stakeholders as part of an ongoing process of building and maintaining better stakeholder relations within the local community.	A Stakeholder Community Engagement Plan is completed and will be presented to Council in April 2018.
Participation & consultation	Community Consultation, Communication & Engagement	Social Media Strategy developed and implemented	4	1	2	75	Develop guidance and training for use of social media applications and technologies.	Ongoing guidance is available through a dedicated resource.
Participation & consultation	Community Consultation, Communication & Engagement	Social Media Strategy developed and implemented	4	1	2	76	Develop a social media strategy that clearly shows how social media will best be deployed.	Social Media Plans are being developed and implemented for key contact centres including libraries, recreation and the Kalamunda Performing Arts Centre.

Performance Area	Project Goal	Expected Outcome	Strategic Plan Link				Priority Action - Linked to Corporate Business Plan	Quarterly Status
			Goal	Outcome	Strategy	Action		
Participation & consultation	Forrestfield North	Forrestfield North Community and Stakeholder Engagement and Communications Strategy is delivered	4	2	1	11	Implement the actions outlined in the Forrestfield North Community and Stakeholder Engagement and Communications Strategy.	Project currently being undertaken. Initial consultation complete. Presentation to Council scheduled for late September.
Participation & consultation	Meetings of Council	Agendas and Minutes published within statutory timeframes	4	1	1	4	Prepare and publish all Agendas and Minutes of Council and Committee meetings in accordance with legislation.	Ongoing as per legislative requirements.
Participation & consultation	Public Relations & Marketing	Community Perception Survey - increased positive attitude towards the City	4	1	1	66	Deliver well-coordinated and targeted PR and marketing programs to raise the profile and image of the City.	Continuing with Connect newsletter, monthly newsletter in local papers, significant focus on community engagement, e-news, timely and relevant media releases and responses, as well new digital programs per project that we assist with across the organisation.
Wide and diverse representation	Elections	Campaign developed and delivered prior to election	4	1	1	61	Develop and implement campaigns to encourage increased participation in Council elections.	A joint campaign strategy was entered in partnership with the City of Swan and Town of Bassendean with a Call to Nominate campaign. The City also participated in the Midland Councillor Nomination Event and held a nominee information night including a Mock Meeting, that received press coverage. Successful outcome with participation increased in line with objectives.
Wide and diverse representation	Elections	Campaign developed and delivered prior to election	4	1	1	62	Encourage diversity in Council activities from minority groups and young citizens.	Assisting with the Age Friendly Communities Strategy, youth Young Creatives program and held NAIDOC week celebrations so far this year.

Scorecard Name

* Council Scorecard

Date From

01-Jan-2018

Date To

31-Mar-2018

LINKED ITEMS	UNIT	TARGET	ACTUAL	INDICATOR
** Customer Service				
COMMENTS: N/A				
* Response to customer requests within 5 working days (by directorate, measured monthly)	%	90.00	94.67	
COMMENTS: N/A				
* Response to incoming correspondence within 5 working days (by directorate, measured monthly)	%	90.00	92.92	
COMMENTS: N/A				
* Response to Councillor enquiries within 5 working days (by directorate, measured monthly)	%	95.00	100.00	
COMMENTS: N/A				
** Planning & Development				
* Building Permit/Certificates determined within statutory timeframe	%	95.00	99.67	
COMMENTS: 90 applications determined and 89 done on time. One was overdue due to a DA approval not being advised and Synergy had not been updated to reflect the approval. Refund organised				
* Planning applications determined within statutory timeframe	%	95.00	96.00	
COMMENTS: N/A				
* Subdivision applications referred to the WAPC within statutory timeframes	%	95.00	82.33	
COMMENTS: 5 subdivision applications received, 4 were completed on time				
** Compliance				
* Risk mitigation - number of identified risks not mitigated	#	N/A	N/A	Annually
COMMENTS: All identified risks are mitigated.				
* All Purchase Orders are compliant to the purchasing policy and legislation	%	100.00	100.00	
COMMENTS: Compliant				
* All tenders compliant with regulations	%	100.00	100.00	
COMMENTS: Compliant				
Overall Performance	%	100.00	100.76	

10.1.2. Rates Debtors Report for the Period Ended April 2018

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items N/A
 Directorate Corporate Services
 Business Unit Financial Services
 File Reference FI-DRS-004
 Applicant N/A
 Owner N/A

Attachments 1. Rates Report April 2018 [10.1.2.1]

EXECUTIVE SUMMARY

1. The purpose of this report is to provide Council with information on the rates collection percentage and the status of recovery actions.
2. It is recommended that Council receive the Rates Debtors report for the month of April 2018 (Attachment 1).
3. The City has collected \$34.36 million (94.17%) in rates as at 30 April 2018.

BACKGROUND

4. Rate Notices were issues on 11 July 2017 with the following payment options available:

Options	Payment Dates			
Full Payment	16 August 2017			
Two Instalments	16 August 2017	15 December 2017		
Four Instalments	16 August 2017	16 October 2017	15 December 2017	16 February 2018

5. A total of 24,466 Rate Notices were sent on 11 July 2017. Rates Levied and Collectable for the 2017/18 Financial Year currently total \$36,985,079. As at 30 April, a total of \$34,358,283 has been collected. This represents a collection rate of 94.17% which is comparable to the 94.78% at the same time in the 2016/2017 Financial Year. The collection rate is expected to increase with the continuation of Debt Recovery.
6. A total of 9,242 ratepayers took up an instalment option last year. As of the 2017/2018 cut-off date 9,099 properties are on the instalment options. Of these, 1,703 took up the option to pay by two instalments and 7,396 have chosen to pay by four instalments.
7. Three additional services have been introduced in recent years to better assist ratepayers in paying their amounts due. These are:
 - a) A Smarter Way to Pay – with approximately 766 ratepayers signed up. This represents a 32% increase from the previous year. It is expected

that this will remain largely static for the remainder of the financial year.

- b) eRates – there are 2,210 properties signed up for email delivery, compared to 1,953 in the previous year. This represents a 15% increase in this service and 9% of the rates database;
- c) BPay View – approximately 857 ratepayers have signed up for this service. Last year at total of 638 had signed up, representing a 19% increase in this service.

- 8. Interim Rating processing commenced in October 2017 and is continuing. While mostly focused on processing changes made to values last financial year or making changes to values from the revaluation, over \$150,000 has been raised in new charges. Training additional staff to raise interim rates during this year will accelerate the processing of interim rates.
- 9. Call recording software has been utilised in the Rates Department since 2015, primarily for customer service purposes, as it allows review of calls which results in training and process improvements. Throughout the month of April 2018, the Rates department handled 774 calls with a total call time of over 30 hours.

DETAILS

- 10. There were 87 properties with outstanding balances from previous years; the majority of these accounts have a balance owing (including current charges) of over \$5,000 and these accounts will be a strong focus in the 2017/2018 debt collection process. Some of these accounts have circumstances that are preventing debt collection such as bankruptcy, seizure of land by another organisation or already pending legal action.
- 11. The City began debt collection in November 2017 with final notices sent to all accounts with a balance owing of more than \$50 who are not on an Instalment or Direct Debit plan with the City. Final Notices were due for payment no later than 08 December 2017 with an extension given until 15 January 2018 for arrangements and payment delays.
- 12. In February 2018, the City undertook a review of all accounts that have been sent a Final Notice. Those accounts that remain outstanding without a Direct Debit in place were sent a Letter of Demand by the City's Debt Collection Firm. The letters of Demand were issued by Milton Graham Lawyers in mid-March 2018 and allowed two weeks for payment to be finalised or an arrangement to be entered into.
- 13. A review of the remaining properties will be undertaken in early May 2018 and Legal Action will be undertaken where deemed necessary in accordance with the Debt Recovery Policy.

STATUTORY AND LEGAL CONSIDERATIONS

- 14. The City collects its rates debts in accordance with the *Local Government Act 1995 Division 6 – Rates and Service Charges under the requirements of subdivision 5 – Recovery of unpaid rates and service charges.*

POLICY CONSIDERATIONS

15. The City is bound by the Debt Collection Policy S-FIN02.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

16. The City's General Counsel has been briefed on the debt collection process.

External Referrals

17. The higher-level debt collection actions are undertaken by the City's Debt Collection Firm Dun & Bradstreet with all legal work in this area undertaken by Milton Graham Lawyers (MGL).

FINANCIAL CONSIDERATIONS

18. The early raising of rates in July 2017 allows the City's operations to commence without delays by increasing cashflow, in addition to earning additional interest income.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

19. *Kalamunda Advancing Strategic Community Plan to 2027*

Priority 4: Kalamunda Leads

Objective 4.1 - To provide leadership through transparent governance.

Strategy 4.1.1 - Provide good governance.

SUSTAINABILITY

Social Implications

20. Debt collection can have implications upon those ratepayers facing hardship and the City must ensure equity in its debt collection policy and processes.
21. The City has introduced "a smarter way to pay" to help ease the financial hardship to its customers. This has proved very effective with a growing number of accounts taking advantage of this option.

Economic Implications

22. Effective collection of all outstanding debtors leads to enhanced financial sustainability for the City.

Environmental Implications

23. The increase in take up of eRates and BPay View, as a system of Rate Notice delivery, will contribute to lower carbon emissions due to a reduction in printing and postage.

RISK MANAGEMENT CONSIDERATIONS

24.	Risk: Failure to collect outstanding rates and charges.		
	Likelihood	Consequence	Rating
	Likely	Moderate	High
	Action/Strategy		
	Ensure debt collections are rigorously maintained.		

OFFICER COMMENT

25. The City's debt collection strategy has proven to be very effective with a 97.23% collection rate in the 2016/17 financial year.

The 2017/18 year to date collection rate is on track with the same time last year.

The City is ranked in the top four WA metropolitan Councils (of 19 Councils surveyed) for efficiency in rates collection (Source: Australasian LG Performance Excellence Survey, 2017).

Voting Requirements: Simple Majority

RECOMMENDATION

That Council:

1. Receives the rates debtors report for the period ended 30 April 2018 (Attachment 1).

CITY OF KALAMUNDA**SUMMARY OF OUTSTANDING RATES****FOR THE PERIOD ENDED 30 APRIL 2018****Rates Outstanding Debtors**

		3rd Previous Year + Outstanding	2nd Previous Year Outstanding	Previous Year Outstanding	Current Outstanding	Total Outstanding	Previous Year Total Outstanding
30-Jun-17		Balance Forward				\$1,413,452	\$1,226,895
31-Jul-17		\$464,623.66	\$185,444.47	\$678,001.88	\$31,054,760.25	\$32,382,830.26	\$30,915,019.14
31-Aug-17		\$458,216.51	\$172,068.42	\$532,049.93	\$18,068,347.98	\$19,230,682.84	\$17,847,467.10
30-Sep-17		\$454,963.56	\$166,311.09	\$491,030.60	\$16,490,860.81	\$17,603,166.06	\$16,711,750.04
31-Oct-17		\$445,855.31	\$160,460.67	\$456,596.72	\$13,852,085.26	\$14,914,997.96	\$13,984,570.43
30-Nov-17		\$444,587.57	\$157,338.36	\$436,989.54	\$12,315,049.12	\$13,353,964.59	\$12,086,294.75
31-Dec-17		\$439,051.31	\$153,543.85	\$402,304.07	\$7,231,988.52	\$8,226,887.75	\$7,493,060.83
31-Jan-18		\$433,581.21	\$148,474.43	\$371,963.31	\$6,010,590.54	\$6,964,609.49	\$6,078,928.00
28-Feb-18		\$431,765.38	\$144,138.29	\$358,674.20	\$2,534,084.62	\$3,468,662.49	\$2,898,988.45
31-Mar-18		\$430,479.42	\$139,455.09	\$322,460.89	\$1,996,873.03	\$2,889,268.43	\$2,515,691.28
30-Apr-18		\$426,969.84	\$136,398.35	\$306,341.62	\$1,757,085.65	\$2,626,795.46	\$2,293,823.40
31-May-18						\$0.00	\$1,763,246.02
30-Jun-18						\$0.00	\$1,413,451.55

Rates Outstanding as at 30/06/2017**\$1,413,452****Rate Levied 2017/2018**

\$35,415,019

Interim 2017/2018

\$110,465

Back Rates

\$46,143

Total Levies To Date for 2017/2018**\$35,571,627****Total Collectable****\$36,985,079****Total Collected to date****\$34,358,283****\$36,485,036****Total Rates Outstanding****\$2,626,795****Current Deferred Rates Amt (from Rate Reports)****\$ 500,043****Total Rates amount to be collected not including deferred****\$2,126,752****% of Rates Outstanding :****5.83%****% of Rates Collected :****94.17%**

10.1.3. Monthly Financial Statement to April 2018

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	N/A
Directorate	Corporate Services
Business Unit	Financial Services
File Reference	FIR-SRR-006
Applicant	N/A
Owner	N/A

- | | |
|-------------|---|
| Attachments | 1. Staement of Financial Activity 30 April 2018
[10.1.3.1] |
| | 2. Statement of Net Current Funding Position 30 April
2018 [10.1.3.2] |

EXECUTIVE SUMMARY

1. The purpose of this report is to provide Council with the Statutory Financial Statements for the period to April 2018.
2. The Statutory Financial Statements report on the activity of the City of Kalamunda with comparison of the period's performance against the budget adopted by the Council on 27 March 2018 after the mid-year budget review.
3. The City's Financial Statements as at 30 April 2018 demonstrate the City has managed its budget and financial resources effectively.
4. It is recommended that Council receives the Monthly Statutory Financial Statements for the period to 30 April 2018, which comprise:
 - a) Statement of Financial Activity (Nature or Type) for the period ended 30 April 2018;
 - b) Statement of Financial Activity (Statutory Reporting Program) for the period ended 30 April 2018; and
 - c) Net Current Funding Position, note to financial report as of 30 April 2018.

BACKGROUND

5. The Statement of Financial Activity (Attachment 1), incorporating various sub-statements, has been prepared in accordance with the requirements of the *Local Government Act 1995* (WA) and Regulation 34 of the *Local Government (Financial Management) Regulations 1996* (WA).
6. The opening funding position in the Statement of Financial Activity reflects the audited surplus carried forward from 2016/17.

DETAILS

7. The *Local Government Act 1995* (WA) requires Council to adopt a percentage or value to be used in reporting variances against Budget. Council has adopted the reportable variances of 5% or \$50,000 whichever is greater.

Financial Commentary

Statement of Financial Activity by Nature and Type for the ten months ended 30 April 2018

8. This Statement reveals a net result surplus of \$17,610,075 compared to budget for the same period of \$14,133,841. The majority of the final variance of \$2,876,236 is comprised from operating and investing activities.

Operating Revenue

9. Total Revenue excluding rates is over budget by \$286,624. This is made up as follows:
- a) Operating Grants, Subsidies and Contributions are over budget by \$472,222 the variance is mainly attributable to \$556,446 received from the CELL 9 trust for the reimbursements of operational expenditure incurred on behalf of the trust.
 - b) Fees and Charges are under budget by 153,329. This is mainly attributable to a variance of \$93,569 from legal fees on debt collection in the rates business unit which is due to start legal action on default debts in the month of May 2018
 - c) Interest Income is under budget by \$121,681. The variance is due to the timing of the maturity of fixed deposits. Majority of the deposits are maturing during May and June 2018.
 - d) Other Revenue is under budget by \$13,290. This is mainly due to the lower than projected revenue from fines and enforcements.

Operating Expenditure

10. Total expenses are under budget by \$2,375,501. The significant variances within the individual categories are as follows:
- a) Employment Costs are under budget by \$666,960 which is primarily due to vacant positions not filled, timing of training programmes scheduled for the period and year end provisioning for annual and long service leave.
 - b) Materials and Contracts is under budget by \$1,050,764. This is mainly attributed to:
 - i. Consultancy costs being under budget by \$847,760 related to non-recurrent projects including Forrestfield North Project & revaluation of infrastructure assets for 2017/2018 which is a timing matter mainly.
 - ii. Fire mitigation programmes costs are under budget by \$223,859. This is again a timing matter and significant works are being planned for the winter season.
 - c) Utilities are under budget by \$250,158 of which; \$152,848 relates to street lighting which is lower than projected.
 - d) Depreciation, although a non-cash cost, is tracking under budget, reporting a variance of \$410,815. During the 2016/17-year end audit review it was observed that the depreciation rates applied for infrastructure assets were lower than the actual consumption rate. For 2017/18 the actual depreciation is estimated based on the 2016/17 end of the year depreciation. The effect of the depreciation rates was adjusted during the mid-year review and the variance is due to a timing issue.

- e) Interest expense is under budget by \$7,688. This is a result of a timing difference between amounts accrued and the budget which is based on the debenture payments schedules.
- f) Insurance expense is over budget by \$23,710. The variance is within the reporting threshold.
- g) Other expenditure is under budget by \$14,696. The variance is within the reporting threshold.
- h) Loss on disposal of Assets is over budget by \$1,870. This relates to the disposal of fixed assets allocated to HACC after the discontinued operations of the HACC business unit.

Investing Activities

Non-operating Grants and Contributions

- 11. The non-operating grants and contributions are over budget by \$701,553. This is mainly attributable to reimbursements received \$616,249 from CELL 9 trust to cover the expenditure incurred on capital development projects.

Capital Expenditures

- 12. The total Capital Expenditure on Property, Plant and Equipment and Infrastructure Assets (excluding Capital Work In Progress) is over budget by \$591,472. This is deemed to be mainly a timing matter.
- 13. Capital work-in-progress of \$1,242,462, represents the costs expended on Forrestfield Industrial Area Scheme Stage 1 and CELL 9 Wattle Grove development. The relevant expenditure is funded by the Forrestfield Industrial Area Scheme Stage 1 reserve account and the CELL 9 trust account. These assets once constructed will be passed over to the City for management.

Financing Activities

- 14. The amounts attributable to financing activities shows a variance of \$547,687 which is mainly reserve movements. More details of the reserve movements are given under note 24 of this report.

Rates revenues

- 15. Rates generation is under budget with a variance of \$779,283. The variance is mainly attributable to interim rates and year end prepaid rates adjustment. The City commenced its interim rates generation process during end October 2017 and is working through the back log.

It should be noted that due the mis-alignment of the valuations provided by Landgate (valuations as of 1 August 2015 which were applied by the City for its 2017/18 rates generation), many property owners have successfully objected to the valuations and as a result of that, the interim rates revenue projected at \$334,950 will most likely not be met.

The impact on 2018/19 rates yield will need to be factored in when reviewing the rates scenarios and budgeting for the following financial year.

Statement of Financial Activity by Program for the period ended 30 April 2018

16. Generally, each Program is within the accepted budget except for 'Other Property and Services', 'Community Amenities' and 'Recreation & culture'. Major variances have been reported by Nature and Type under points 9 to 15 above.

Statement of Net Current Funding Position as at 30 April 2018

17. The commentary on the net current funding position is based on comparison of the actual to April 2018 to the April 2017 actuals.
18. Net Current Assets (Current Assets less Current Liabilities) total to \$27.1 million. The restricted cash position is \$12.6 million which is higher than the previous period's balance of \$11.1 million. This is mainly attributed to the transfers to reserves in the nominated employee leave reserve and the unexpended capital works reserve.
19. Unrestricted cash has decreased by \$3.6 million when compared with the balance at April 2017 mainly as a result of the increased capital expenditure and higher receivables.
20. Trade and other receivables outstanding comprise rates and sundry debtors totalling \$2.4 million.
- The rates balance increased by \$0.3 million from last year which reflects increases in rates generation.
21. Sundry debtors have decreased from \$461,547 to \$177,374, of which \$119,147 consists of current debt due within 30 days.
22. Receivables Other represents \$0.9 million comprising:
a) Emergency Service Levy receivables \$0.4 million
b) Receivables sanitation \$0.5 million
23. Provisions for annual and long service leave have increased by \$339,954 to \$3 million when compared to the previous year. The large variance is coming from the 2016/17-year end adjustment with long service leave liability increasing by \$198,518 as more employees came under the criteria for calculation of the liability.
24. Restricted Reserves have increased from \$11.1 million to \$12.6 million when compared to April 2017. The increase is due to the following:
a) Unexpended capital works reserve increased by \$0.8 million
b) Nominated employee leave provision increased by \$0.6 million.
c) Asset enhancement reserve increased by \$0.4 million
d) Waste management reserve has increased by \$0.5 million
e) EDP IT Equipment reserve has decreased by \$0.3 million
f) Forrestfield Industrial Area Scheme Stage 1 reserve has decreased by \$0.6 million. With commencement of its major capital projects, amounts have been drawn down from the reserve to meet the necessary funding requirements.

STATUTORY AND LEGAL CONSIDERATIONS

25. The *Local Government Act 1995* (WA) and the *Local Government (Financial Management) Regulations 1996* (WA) require presentation of a monthly statement of financial activity.

POLICY CONSIDERATIONS

26. Nil.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

27. The City's executive and management reviews the underlying business unit reports which form the consolidated results presented in this report.

External Referrals

28. As noted in point 25 above, the City is required to present to the Council a monthly statement of financial activity with explanations for major variances.

FINANCIAL CONSIDERATIONS

29. The City's financial position continues to be closely monitored to ensure it is operating sustainably and to allow for future capacity.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

30. *Kalamunda Advancing: Strategic Community Plan to 2027*

Priority 4: Kalamunda Leads

Objective 4.1 - To provide leadership through transparent governance.

Strategy 4.1.1 - Provide good governance.

Strategy 4.1.2 - Build an effective and efficient service based organisation.

SUSTAINABILITY

Social Implications

31. Nil.

Economic Implications

32. Nil.

Environmental Implications

33. Nil.

RISK MANAGEMENT CONSIDERATIONS

34.	Risk: Over-spending the budget.		
	Likelihood	Consequence	Rating
	Possible	Moderate	Medium
	Action/Strategy		
	Monthly management reports are reviewed by the City and Council. Procurement compliance is centrally controlled via the Finance Department.		
	Risk: Non-compliance with Financial Regulations		
	Likelihood	Consequence	Rating
	Unlikely	Moderate	Low
	Action / Strategy		
	The financial report is scrutinised by the City to ensure that all statutory requirements are met. Internal Audit reviews to ensure compliance with Financial Regulations.		

OFFICER COMMENT

35. The City's Financial Statements as at 30 April 2018 demonstrate the City has managed its budget and financial resources effectively.

Voting Requirements: Simple Majority

RECOMMENDATION

That Council:

1. Receives the Monthly Statutory Financial Statements for the period to 30 April 2018, which comprises:
 - a) Statement of Financial Activity (Nature and Type) for the period ended 30 April 2018.
 - b) Statement of Financial Activity (Statutory Reporting Program) for the period ended 30 April 2018.
 - c) Net Current Funding Position, note to financial report as of 30 April 2018.

CITY OF KALAMUNDA
STATEMENT OF FINANCIAL ACTIVITY
BY NATURE AND TYPE
FOR THE TEN MONTHS ENDED 30 APRIL 2018

	30/04/2018 YTD Actual (b) \$	30/04/2018 YTD Budget (a) \$	Annual Budget \$	Var. \$ (b)-(a) \$	Var. % (b)-(a)/(b) %
Net current assets at start of financial year - surplus/(deficit)	5,749,088	5,749,088	5,749,088	(0)	(0%)
	5,749,088	5,749,088	5,749,088	(0)	(0%)
Revenue from operating activities (excluding rates)					
Operating Grants and Subsidies	1,073,984	1,064,376	1,417,195	9,608	0.9%
Contributions, Reimbursements and Donations	1,214,673	752,059	2,474,133	462,614	38.1%
Profit on Asset Disposal	20,071	0	0	20,071	100.0%
Fees and Charges	14,675,062	14,828,391	15,352,067	(153,329)	(1.0%)
Interest Earnings	905,889	1,027,570	1,233,121	(121,681)	(13.4%)
Other Revenue	52,250	65,540	78,666	(13,290)	(25.4%)
Ex Gratia Rates Revenue	194,980	112,349	189,077	82,631	42.4%
Total (Excluding Rates)	18,136,909	17,850,285	20,744,259	286,624	
Expenditure from operating activities					
Employee Costs	(19,176,454)	(19,843,414)	(24,073,850)	666,960	3.5%
Materials and Contracts	(16,504,177)	(17,554,941)	(21,172,855)	1,050,764	6.4%
Utilities Charges	(1,789,762)	(2,039,920)	(2,448,370)	250,158	14.0%
Depreciation (Non-Current Assets)	(8,441,795)	(8,852,610)	(10,623,308)	410,815	4.9%
Interest Expenses	(284,312)	(292,000)	(350,410)	7,688	2.7%
Insurance Expenses	(583,464)	(559,754)	(570,764)	(23,710)	(4.1%)
Loss on Asset Disposal	(242,700)	(240,830)	(289,000)	(1,870)	(0.8%)
Other Expenditure	(392,936)	(407,632)	(1,705,139)	14,696	3.7%
Total	(47,415,600)	(49,791,101)	(61,233,696)	2,375,501	
Operating activities excluded					
Depreciation (Non-Current Assets)	8,441,795	8,852,610	10,623,308	(410,815)	(4.9%)
(Profit)/Loss on Asset Disposal	222,629	240,830	289,000	(18,201)	(8.2%)
EMRC Contribution (Non-cash)	0	0	(1,582,862)	0	
Deferred Loan (non-current) FUSC	(166)	0	(329)	(166)	100.0%
Movement in Provisions	(140,746)	(28,701)	1,127,264	(112,045)	79.6%
Pensioners Deferred Rates Movement	0	0	(33,000)	0	
Total	8,523,512	9,064,739	10,423,381	(541,227)	
Amount attributable to operating activities	(15,006,091)	(17,126,989)	(24,316,968)	2,120,898	
Investing Activities					
Proceeds from Disposal of Assets	118,672	0	0	118,672	100.0%
Grants, Subsidies and Contributions	3,701,449	2,999,896	3,981,746	701,553	19.0%
Land Development Costs	0	0	(46,888)	0	
Land and Buildings New	(139,174)	(210,870)	(2,261,576)	71,696	(51.5%)
Land and Buildings Replacement	(849,623)	(793,717)	(1,469,469)	(55,906)	6.6%
Plant and Equipment New	(728,096)	(194,876)	(2,504,480)	(533,220)	73.2%
Plant and Equipment Replacement	(504,832)	(437,350)	(20,000)	(67,482)	13.4%
Furniture and Equipment	(474,432)	(585,782)	(912,052)	111,350	(23.5%)
Infrastructure Assets - Roads New	(822,547)	(853,467)	(1,716,928)	30,920	(3.8%)
Infrastructure Assets - Roads Renewal	(1,695,014)	(2,387,314)	(3,700,825)	692,300	(40.8%)
Infrastructure Assets - Drainage New	(1,703,289)	(1,337,282)	(1,382,192)	(366,007)	21.5%
Infrastructure Assets - Drainage Renewal	(84,728)	(128,629)	(299,769)	43,901	(51.8%)
Infrastructure Assets - Footpaths New	(318,085)	(410,259)	(431,583)	92,174	(29.0%)
Infrastructure Assets - Footpaths Renewal	(271,748)	(445,552)	(467,969)	173,804	(64.0%)
Infrastructure Assets - Car Parks New	(167,242)	(236,617)	(1,012,050)	69,375	(41.5%)
Infrastructure Assets - Car Parks Renewal	(251,637)	(366,972)	(481,240)	115,335	(45.8%)
Infrastructure Assets - Parks and Ovals New	(1,522,910)	(1,605,734)	(1,940,510)	82,824	(5.4%)
Infrastructure Assets - Parks and Ovals Renewal	(330,204)	(460,609)	(1,052,918)	130,405	(39.5%)
Infrastructure Assets - Capital Work-in progress	(1,242,462)	(1,417,700)	(2,491,000)	175,238	(14.1%)
Amounts attributable to investing activities	(7,285,900)	(8,872,834)	(18,209,703)	1,586,934	
Financing Activities					
Repayment of borrowings	(710,633)	(625,610)	(750,747)	(85,023)	(12.0%)
Self-Supporting Loan Principal	72,492	64,150	77,023	8,342	11.5%
Proceeds from new borrowings	0	0	1,950,000	0	
Capital (Developer) - Contributions	0	390,740	610,532	(390,740)	(100.0%)
Transfers from cash backed reserves (restricted assets)	6,274,563	6,746,633	13,337,984	(472,070)	(7.5%)
Transfers to cash backed reserves (restricted assets)	(87,743)	(1,574,920)	(5,332,972)	1,487,177	1694.9%
Amounts attributable to financing activities	5,548,679	5,000,993	9,891,820	547,686	
Surplus / (deficiency) before general rates	(16,743,313)	(20,998,830)	(32,634,851)	4,255,519	
Rate Revenue	34,353,388	35,132,671	35,812,062	(779,283)	(2.3%)
Net current assets at end of the period - surplus/(deficit)	17,610,075	14,133,841	3,177,210	3,476,236	19.7%

CITY OF KALAMUNDA
STATEMENT OF FINANCIAL ACTIVITY
(STATUTORY REPORTING PROGRAM)
FOR THE TEN MONTHS ENDED 30 APRIL 2018

	30/04/2018 YTD Actual (b) \$	30/04/2018 YTD Budget (a) \$	Annual Budget \$	Var. \$ (b)-(a) \$	Var. % (b)-(a)/(b) %
Net current assets at start of financial year - surplus/(deficit)	<u>5,749,088</u>	<u>5,749,088</u>	<u>5,749,088</u>	<u>(0)</u>	<u>(0.0%)</u>
Revenue from operating activities (excluding rates)	5,749,088	5,749,088	5,749,088	(0)	
Governance	13,410	93,728	113,948	(80,318)	(598.9%)
General Purpose Funding	2,106,564	2,222,491	4,428,639	(115,927)	(5.5%)
Law, Order and Public Safety	461,175	429,430	533,930	31,745	6.9%
Health	625,748	614,574	623,495	11,174	1.8%
Education and Welfare	54,112	57,480	67,682	(3,368)	(6.2%)
Community Amenities	11,909,233	11,861,687	11,961,409	47,546	0.4%
Recreation and Culture	863,921	1,569,821	1,867,659	(705,900)	(81.7%)
Transport	36,614	0	0	36,614	100.0%
Economic Services	462,722	545,774	605,042	(83,052)	(17.9%)
Other Property and Services	1,603,412	683,255	542,455	920,157	57.4%
Total (Excluding Rates)	18,136,911	18,078,240	20,744,259	58,671	
Expenditure from operating activities					
Governance	(3,084,864)	(3,222,349)	(3,848,705)	137,485	4.5%
General Purpose Funding	(513,096)	(657,082)	(765,838)	143,986	28.1%
Law, Order and Public Safety	(1,589,030)	(1,632,711)	(1,966,836)	43,681	2.7%
Health	(1,151,452)	(1,334,704)	(1,611,533)	183,252	15.9%
Education and Welfare	(406,753)	(457,741)	(551,038)	50,988	12.5%
Community Amenities	(12,649,045)	(12,928,176)	(15,652,185)	279,131	2.2%
Recreation and Culture	(14,640,502)	(16,236,130)	(19,614,593)	1,595,628	10.9%
Transport	(10,733,136)	(10,355,939)	(12,446,944)	(377,197)	(3.5%)
Economic Services	(920,167)	(1,032,773)	(1,246,172)	112,606	12.2%
Other Property and Services	(1,727,556)	(2,161,451)	(3,529,851)	433,895	25.1%
Total	(47,415,601)	(50,019,056)	(61,233,695)	2,603,455	
Operating activities excluded					
Depreciation (Non-Current Assets)	8,441,795	8,852,610	10,623,308	(410,815)	(4.9%)
(Profit)/Loss on Asset Disposal	222,629	240,830	289,000	(18,201)	(8.2%)
EMRC Contribution (Non-cash)	0	0	(1,582,862)	0	
Deferred Loan (non-current) FUSC	(166)	0	(329)	(166)	100.0%
Movement in Provisions	(140,746)	(28,701)	1,127,264	(112,045)	79.6%
Pensioners Deferred Rates Movement	0	0	(33,000)	0	
Total	8,523,512	9,064,739	10,423,381	(541,227)	
Amount attributable to operating activities	(15,006,090)	(17,126,989)	(24,316,967)	2,120,899	
Investing Activities					
Proceeds from Disposal of Assets	118,672	0	0	118,672	100.0%
Non-operating grants, subsidies and contributions	3,701,449	2,999,896	3,981,746	701,553	19.0%
Land Development Costs	0	0	(46,888)	0	
Land and Buildings New	(139,174)	(210,870)	(2,261,576)	71,696	(51.5%)
Land and Buildings Replacement	(849,623)	(793,717)	(1,469,469)	(55,906)	6.6%
Plant and Equipment New	(728,096)	(194,876)	(2,504,480)	(533,220)	73.2%
Plant and Equipment Replacement	(504,832)	(437,350)	(20,000)	(67,482)	13.4%
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Infrastructure Assets - Drainage New	(1,703,289)	(1,337,282)	(1,382,192)	(366,007)	21.5%
Infrastructure Assets - Drainage Renewal	(84,728)	(128,629)	(299,769)	43,901	(51.8%)
Infrastructure Assets - Footpaths New	(318,085)	(410,259)	(431,583)	92,174	(29.0%)
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Infrastructure Assets - Car Parks New	(167,242)	(236,617)	(1,012,050)	69,375	(41.5%)
Infrastructure Assets - Car Parks Renewal	(251,637)	(366,972)	(481,240)	115,335	(45.8%)
Infrastructure Assets - Parks and Ovals New	(1,522,910)	(1,605,734)	(1,940,510)	82,824	(5.4%)
Infrastructure Assets - Parks and Ovals Renewal	(330,204)	(460,609)	(1,052,918)	130,405	(39.5%)
Infrastructure Assets - Capital Work-in progress	(1,242,462)	(1,417,700)	(2,491,000)	175,238	(14.1%)
Amounts attributable to investing activities	(7,285,900)	(8,872,834)	(18,209,703)	1,586,934	
Financing Activities					
Self-Supporting Loan Principal Income	72,492	64,150	77,023	8,342	11.5%
Proceeds from new borrowings	0	0	1,950,000	0	
Capital (Developer) - Contributions	0	390,740	610,532	(390,740)	(100.0%)
Transfers from cash backed reserves (restricted assets)	6,274,563	6,746,633	13,337,984	(472,070)	(7.5%)
Repayment of borrowings	(710,633)	(625,610)	(750,747)	(85,023)	(12.0%)
Transfers to cash backed reserves (restricted assets)	(87,743)	(1,574,920)	(5,332,972)	1,487,177	1694.9%
Amounts attributable to financing activities	5,548,679	5,000,993	9,891,820	547,687	
Surplus / (deficiency) before general rates	(16,743,313)	(20,998,830)	(32,634,852)	4,255,519	
Rate Revenue	34,353,388	35,132,671	35,812,062	(779,283)	(2.3%)
Net current assets at end of the period - surplus/(deficit)	17,610,075	14,133,841	3,177,210	3,476,236	19.7%

CITY OF KALAMUNDA
NOTES TO AND FORMING PART OF THE FINANCIAL REPORT
FOR THE TEN MONTHS ENDED 30 APRIL 2018

NET CURRENT FUNDING POSITION

Positive=Surplus (Negative=Deficit)

	30/04/2018	30/04/2017
	\$	\$
Current Assets		
Cash and Cash Equivalents (Unrestricted)	20,942,385	24,577,445
Cash and Cash Equivalents - Reserves (Restricted)	12,612,519	11,146,743
Receivables - Rates	2,214,437	1,868,942
Receivables - Sundry	177,374	461,547
Receivables -Other	860,891	952,753
Inventories	105,414	128,789
(* exclude loan receivable)	<u>36,913,020</u>	<u>39,136,219</u>
Less: Current Liabilities		
Payables	(6,690,426)	(6,033,814)
Provisions	(3,141,152)	(2,801,198)
(* exclude loan payable)	<u>(9,831,577)</u>	<u>(8,835,012)</u>
Net Current Asset Position	<u>27,081,442</u>	<u>30,301,207</u>
Add:		
Provision for Long Service Leave	1,566,958	1,341,868
Provision for Annual Leave	1,574,194	1,459,330
Less:		
Cash and Cash Equivalents - Reserves (Restricted)	<u>(12,612,519)</u>	<u>(11,146,743)</u>
Net Current Funding Position	<u>17,610,075</u>	<u>21,955,662</u>

10.1.4. Debtors and Creditors Report for the Period Ended April 2018

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	N/A
Directorate	Corporate Services
Business Unit	Financial Services
File Reference	FI-CRS-002
Applicant	N/A
Owner	N/A

- | | |
|-------------|--|
| Attachments | 1. Creditors payment for month ending April 2018
[10.1.4.1] |
| | 2. Summary of Debtors for the month of April 2018
[10.1.4.2] |
| | 3. Summary of Creditors for the month of April 2018
[10.1.4.3] |

EXECUTIVE SUMMARY

1. The purpose of this report is to provide Council with the list of payments made from Municipal Accounts in April 2018 in accordance with the requirements of the *Local Government (Financial Management) Regulations 1996 (Regulation 13)*.
2. The Debtors and Creditors report provides Council with payments made from Municipal and Trust accounts together with outstanding debtors for the month of April 2018.
3. It is recommended that Council:
 - a) receive the list of payments made from the Trust Accounts in April 2018 in accordance with the requirements of the *Local Government (Financial Management) Regulations 1996 (Regulation 13)*.
 - b) receive the outstanding debtors and creditors reports for the month of April 2018.

BACKGROUND

4. Trade Debtors and Creditors are subject to strict monitoring and control procedures and in the month of April 2018 there were no abnormal overdue debtors that demanded special attention.
5. In accordance with the *Local Government (Financial Management) Regulations 1996 (Regulation 13)* reporting on outstanding debtors and creditors must occur monthly.

DETAILS

Debtors

6. Sundry debtors as of 30 April 2018 were \$177,374 of which \$119,147 was made up of current debts and \$8,498 unallocated credits (excess or overpayments).
7. Invoices over 30 days total \$10,065, debts of significance are:
 - a) Zig Zag Gymnastics, \$2,923, Hall Hire;
 - b) Gregory Case, \$2,032, Fire Breaks;
 - c) Upper Swan Primary School, \$1,206, History Village entry fees; and
 - d) Kalamunda Cricket Club, \$1,139, Loan instalment.
8. Invoices over 60 days total \$36,986, debts of significance are:
 - a) Kalamunda Club, \$17,263, Loan instalment;
 - b) Hartfield Country Club, \$8,411, Lease Fees;
 - c) Prestige Civil Contractors, \$4,974, Bond / Supervision Fee;
 - d) Zig Zag Gymnastics, \$2,923, Hall Hire; and
 - e) Kalamunda Cricket Club, \$2,447, Electricity usage.
9. Invoices over 90 days total \$19,674, debts of significance are:
 - a) Zig Zag Gymnastics, \$12,016, Hall Hire; management of debt – discussions and reviews underway
 - b) Illuminations Dance Company, \$2,515, Hall Hire; reported to debt collectors - \$200 being paid weekly
 - c) Midland Sisdac, \$1,602, Hall Hire; user group has requested a meeting to discuss the debt
 - d) Keith Mortimer, \$1,133, Replacement Street Tree. – reported to debt collectors – unable to locate – consider write off

Creditors

10. Payments totalling \$4,294,933.50 were made during the month April 2018. Standard payment terms are 30 days from the end of the month, with local businesses and contractors on 14-day terms.
11. Significant Municipal payments (GST inclusive) made in the month were:

Supplier	Purpose	\$
Australian Tax Office	PAYG payments	388,293.40
Eastern Metropolitan Regional Council (EMRC)	Domestic waste charges – disposal fees	369,934.44
Le Grove Landscaping	Land scaping works for the development of grass hockey fields – Hartfield Park – progress claim	296,628.59
Cleanaway	Waste, recycling & bulk bin disposal service fees	267,921.71
Electricity Networks Corp T/A Western Power	Kostera Oval – Headworks upgrade - \$199,801, Street light	202,563.00

	upgrade – Parke Road, Gooseberry Hill - \$1,904 Street light – Ashby Close & Sultana Road, High Wycombe - \$858*	
Midway Ford (WA)	Purchase of seven new vehicles	222,460.57
WA Local Government Superannuation Plan	Superannuation contributions	198,491.36
Safeway Building and renovations Pty Ltd	Pickering Brook Sports Club – roofing renewal	88,517.00
All Earth Group Pty Ltd	Disposal of road sweepings, gully education soils & mixed waste materials.	69,134.56
The Planning Group WA Pty Ltd (TPG Town Planning Urban Design & Heritage)	Professional Services for Forrestfield North Structure plan	67,612.42
Complete Underground Power Installations	Complete underground power installation – Street Lighting in Nardine Close & Ashby Close*	63,430.36
Kalamunda Toyota	Supply of a new vehicle	61,312.70
Dowsing Group Pty Ltd	Supply and installation of pathways at various locations	56,038.41
IT Vision Australia Pty Ltd	IT Vision development & technical managed services & confluence incense March 2018	55,077.00

These payments total \$ 2,407,415.52 and represent 56.05% of all payments for the month.

* - The amounts paid for infrastructure works for Forrestfield Industrial Area Scheme Stage 1 were reimbursed drawing against the reserve net of GST.

Payroll

12. Salaries are paid in fortnightly cycles. A total of \$1,177,486.43 was paid in net salaries for the month April 2018.
13. Details are provided in (Attachment 1) after the creditor's payment listing.

Trust Account Payments

14. The Trust Accounts maintained by the City relate to the following types:
 - a) CELL 9 Trust
 - b) POS Trust
 - c) BCITF Levy
 - d) Building Services (Licence) Levy
 - e) Unclaimed Monies

15. The following payments (GST exclusive) were made from the Trust Accounts in the month of April 2018.

BCITF Levy		Amount (\$)
Date	Description	
17/04/2018	Building and Construction Industry Training fund levy March 2018.	9,406.03
CELL 9		Amount (\$)
Date	Description	
19/04/2018	ARRB Group Ltd - Falling weight deflector test for Hale Road, Wattle Grove	2,365.00
19/04/2018	Syrinx Environmental Pty Ltd - Woodlupine Brook Living Stream upgrade, Stage 2 Civil and Landscape works	15,089.46
19/04/2018	Opteon Property Group Pty Ltd - Valuation of Lot 33 Hale Road, Wattle Grove	3,250.00
30/04/2018	Brook Marsh Pty Ltd – POS and road reservation sub division	6,563.60
BRB Levy		Amount (\$)
Date	Description	
4/04/2018	Building Services (Licenses) Levy – March 2018	8,381.69
30/04/2018	Building Services (Licenses) Levy – April 2018	9,883.14
Unclaimed Monies		Amount (\$)
Date	Description	
12/04/2018	BPOINT error – rates payment error made through Bpoint and corrected	1,950.34

STATUTORY AND LEGAL CONSIDERATIONS

16. Pursuant to Regulation 12(1) of the *Local Government (Financial Management) Regulations 1996* (WA), a payment may only be made from the municipal fund or the trust fund —
- if the local government has delegated to the CEO the exercise of its power to make payments from those funds — by the CEO; or
 - otherwise, if the payment is authorised in advance by a resolution of the Council.
17. On 26 June 2017, Council resolved to adopt the City's current Delegation Register (ref OCM 102/2017), which was accordingly updated and came into effect on 27 June 2017 (**27 June 2017 Register of Delegations**). The previous review of the register was completed 25 May 2015.
18. Delegation FMR1 – *'Payments from Municipal and Trust Funds'* of the 27 June 2017 Register of Delegations, provides that under section 5.42 of the *Local Government Act 1995* (WA), the Chief Executive Officer is delegated to exercise the powers or discharge the duties of the Council under Regulation 12

of the *Local Government (Financial Management) Regulations 1996* (WA), regarding the making of payments from the municipal and trust funds.

19. Regulation 13 of the *Local Government (Financial Management) Regulations 1996* (WA) provides that if the local government has delegated to the CEO the exercise of its power to make payments from the municipal fund or the trust fund, a list of accounts paid by the CEO is to be prepared each month showing for each account paid since the last such list was prepared —
- a) the payee's name; and
 - b) the amount of the payment; and
 - c) the date of the payment; and
 - d) sufficient information to identify the transaction
20. This report is prepared in accordance with the requirements of Regulation 13 the *Local Government (Financial Management) Regulations 1996* (WA).

POLICY CONSIDERATIONS

21. The City is bound by the Debt Collection Policy S-FIN02.

CONSULTATION /COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

22. Various business units are engaged to resolve outstanding debtors and creditors as required.

External Referrals

23. Debt collection matters are referred to the City's appointed debt collection agency.

FINANCIAL CONSIDERATIONS

24. The City will continue to closely manage debtors and creditors to ensure optimal cash flow management.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

25. *Kalamunda Advancing: Strategic Community Plan to 2027*

Priority 4: Kalamunda Leads

Objective 4.1 - To provide leadership through transparent governance.

Strategy 4.1.1 - Provide good governance.

Strategy 4.1.2 - Build an effective and efficient service-based organisation.

SUSTAINABILITY

Social Implications

26. Nil.

Economic Implications

27. Nil.

Environmental Implications

28. Nil.

RISK MANAGEMENT CONSIDERATIONS

Debtors

29.	Risk: The City is exposed to the potential risk of the debtor failing to make payments resulting in the disruption of cash flow.		
	Likelihood	Consequence	Rating
	Possible	Insignificant	Low
	Action/Strategy		
	Ensure debt collections are rigorously managed.		

Creditors

30.	Risk: Adverse credit ratings due to the City defaulting on creditor.		
	Likelihood	Consequence	Rating
	Possible	Insignificant	Low
	Action / Strategy		
	Ensure all disputes are resolved in a timely manner.		

OFFICER COMMENT

31. Creditor payments for April 2018 are in the normal range in line with trend expenditure.

Voting Requirements: Simple Majority

RECOMMENDATION

That Council:

1. Receives the list of payments made from the Municipal Accounts in April 2018 (Attachment 1) in accordance with the requirements of the *Local Government (Financial Management) Regulations 1996 (Regulation 13)*.

2. Receives the list of payments made from the Trust Accounts in April 2018 as noted in point 16 above in accordance with the requirements of the *Local Government (Financial Management) Regulations 1996 (Regulation 13)*.
3. Receives the outstanding debtors and creditors reports (Attachments 2 & 3) for the month of April 2018.

Chq/EFT	Date	Name	Description	Amount
1225	28/03/2018	EASIFLEET MANAGEMENT	STAFF CONTRIBUTIONS TO NOVATED / OPERATING LEASES	2899.87
1226	29/03/2018	WESTERN AUSTRALIAN TREASURY CORPORATION	LOAN NO 215 INTEREST PAYMENT	5184.53
1227	04/04/2018	WESTERN AUSTRALIAN TREASURY CORPORATION	LOAN NO 208 INTEREST PAYMENT	11341.05
1228	04/04/2018	LES MILLS ASIA PACIFIC INDUSTRIES	MONTHLY LICENCE FEE	1284.42
1229	04/04/2018	AUSTRALIAN TAXATION OFFICE	TAXATION	186478.46
1230	06/04/2018	MACQUARIE EQUIPMENT RENTALS PTY LTD	GYM EQUIPMENT LEASE FEE	8369.38
1231	06/04/2018	MACQUARIE EQUIPMENT RENTALS PTY LTD	GYM EQUIPMENT HIRE FEES - DOCUMENTATION FEE	220.00
1232	09/04/2018	FLEETCARE PTY LTD	STAFF CONTRIBUTIONS TO NOVATED / OPERATING LEASING	5943.64
1233	10/04/2018	IINET TECHNOLOGIES PTY LTD	INTERNET ACCESS	688.32
1234	13/04/2018	COMMONWEALTH BANK - BUSINESS CARD	BUSINESS CORPORATE CARD - VARIOUS COSTS DIRECTOR ASSET SERVICES - \$1850.00 PROCUREMENT & FINANCE OFFICER - \$1017.12 FUNCTIONS CO-ORDINATOR - \$913.54 FACILITY MAINTENANCE OFFICER - \$665.85 MANAGER PEOPLE SERVICES - \$8108.13 LIBRARY SERVICES TEAM LEADER - \$2727.49 MANAGER CUSTOMER & PUBLIC RELATIONS - \$20.00 SUPERVISOR FACILITY MAINTENANCE OFFICER - \$334.97 SENIOR PROCUREMENT OFFICER - \$5331.41	20968.51
1235	18/04/2018	AUSTRALIAN TAXATION OFFICE	TAXATION	201814.94
1236	27/04/2018	EASIFLEET MANAGEMENT	STAFF CONTRIBUTIONS TO NOVATED / OPERATING LEASES	3430.13

Chq/EFT	Date	Name	Description	Amount
EFT62323	28/03/2018	KEITH J OUTRAM	ACQUISITION OF A PORTION OF LOT 7 (#257) LESMURDIE ROAD LESMURDIE - APPROX 167SQM	33400.00
EFT62324	05/04/2018	PERTH AIRPORTS MUNICIPALITIES GROUP INC	ANNUAL SUBSCRIPTION FEE FOR MEMBERSHIP FOR 2017/2018	500.00
EFT62325	05/04/2018	NEVERFAIL SPRINGWATER LTD (KALA LIB)	BOTTLED WATER SUPPLIES / MAINTENANCE	37.85
EFT62326	05/04/2018	1ST FORRESTFIELD SCOUT GROUP	KIDSPORT FUNDING FOR VARIOUS PLAYERS	150.00
EFT62327	05/04/2018	PICTON PRESS	PRINTING OF BROCHURES FOR VARIOUS EVENTS	640.78
EFT62328	05/04/2018	THE PLANNING GROUP WA PTY LTD (TPG TOWN PLANNING URBAN DESIGN & HERITAGE)	PROFESSIONAL PLANNING SERVICES FOR VARIOUS LOCATIONS	26684.63
EFT62329	05/04/2018	ID CONSULTING PTY LTD (INFORMED DECISIONS)	FORECAST ID, ATLAS ID AND PROFILE ID QUARTERLY SUBSCRIPTION FEES - PERIOD APRIL - JUNE 2018	7920.00
EFT62330	05/04/2018	DOT ULIJN (DOT BLASZCZAK)	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	71.40
EFT62331	05/04/2018	ALL EARTH GROUP PTY LTD	DISPOSAL OF ROAD SWEEPINGS, GULLY EDUCATION SOILS & MIXED WASTE MATERIALS	69134.56
EFT62332	05/04/2018	ROBYN BEARDSSELL	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	91.00
EFT62333	05/04/2018	CAROL ANNE CRUTE	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	9.80
EFT62334	05/04/2018	ALENA MUSCA	FOOTPATH DEPOSIT REFUND	700.00
EFT62335	05/04/2018	GILL BAXTER	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	79.10
EFT62336	05/04/2018	JURG HUNZIKER	FEES FOR MEETING PREPERATION AND ATTENDANCE 01/01/18 - 21/03/18	600.00
EFT62337	05/04/2018	BRIAN E BLOOR	RATES REFUND	6529.82
EFT62338	05/04/2018	CITY OF KALAMUNDA STAFF SOCIAL CLUB	PAYROLL DEDUCTIONS	152.00
EFT62339	05/04/2018	CHILD SUPPORT AGENCY	PAYROLL DEDUCTIONS	1169.64
EFT62340	05/04/2018	BUNNINGS BUILDING SUPPLIES	HARDWARE SUPPLIES FOR VARIOUS LOCATIONS	1152.88

Chq/EFT	Date	Name	Description	Amount
EFT62341	05/04/2018	LANDGATE - VALUATIONS	GROSS RENTAL VALUATION FEES FOR VARIOUS LOCATIONS	873.71
EFT62342	05/04/2018	WALKERS HARDWARE (MITRE 10)	HARDWARE SUPPLIES	129.96
EFT62343	05/04/2018	MCKAY EARTHMOVING PTY LTD	PLANT EQUIPMENT AND OPERATOR HIRE FOR VARIOUS LOCATIONS	44605.40
EFT62344	05/04/2018	EASTERN METROPOLITAN REGIONAL COUNCIL	RED HILL TIP & MATTRESS DISPOSAL FEES	8778.00
EFT62345	05/04/2018	BORAL CONSTRUCTION MATERIALS GROUP	ROAD MATERIALS FOR VARIOUS LOCATIONS	2186.87
EFT62346	05/04/2018	FASTA COURIERS	COURIER FEES	366.85
EFT62347	05/04/2018	THE WATERSHED WATER SYSTEMS	RETICULATION PARTS FOR VARIOUS RESERVES	1647.89
EFT62348	05/04/2018	ALSCO LINEN SERVICE	LINEN HIRE / LAUNDRY SERVICES / CLEANING SUPPLIES	889.92
EFT62349	05/04/2018	BRADOCK PODIATRY SERVICES PTY LTD	PODIATRY SERVICES AT JACK HEALEY CENTRE	1067.28
EFT62350	05/04/2018	KALA BOB KATS PTY LTD	PLANT EQUIPMENT AND OPERATOR HIRE FOR VARIOUS LOCATIONS	13282.50
EFT62351	05/04/2018	SYNERGY	POWER CHARGES	2116.60
EFT62352	05/04/2018	ALINTA ENERGY	GAS CHARGES	12.85
EFT62353	05/04/2018	KENNEDYS TREE SERVICES	TREE REMOVAL / PRUNING FOR VARIOUS LOCATIONS	24982.38
EFT62354	05/04/2018	WINC AUSTRALIA PTY LTD	STATIONERY / OFFICE SUPPLIES	20277.15
EFT62355	05/04/2018	AUSTRALASIAN PERFORMING RIGHTS ASSOCIATION	LICENCE FEE FOR THE USE OF COPYRIGHT MUSIC AT KPAC - PERIOD 01/04/18 - 30/06/18	183.59
EFT62356	05/04/2018	MARKETFORCE PTY LTD	TENDER ADVERT FOR RFT – 1806 SYNTHETIC BOWLING GREEN	3099.27
EFT62357	05/04/2018	IT VISION AUSTRALIA PTY LTD	REIMBURSEMENT FOR TRAVEL	682.96
EFT62358	05/04/2018	KALAMUNDA & DISTRICTS JUNIOR FOOTBALL CLUB INC	KIDSPORT FUNDING FOR VARIOUS PLAYERS	2546.50
EFT62359	05/04/2018	LO-GO APPOINTMENTS	HIRE OF TEMPORARY STAFF FOR DEPOT / ADMIN	3156.56
EFT62360	05/04/2018	GREEN SKILLS (ECOJOBS)	LABOUR ASSISTANCE FOR TREE PLANTING	668.80

Chq/EFT	Date	Name	Description	Amount
EFT62361	05/04/2018	LIMECRETE PTY LTD	SUPPLY OF ROAD MATERIALS FOR VARIOUS LOCATIONS	1689.60
EFT62362	05/04/2018	GILFORD BUILDING SERVICES	FOOTPATH DEPOSIT REFUND	2500.00
EFT62363	05/04/2018	KALAMUNDA & DISTRICTS HISTORICAL SOCIETY	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	121.80
EFT62364	05/04/2018	CRABBS KALAMUNDA (IGA)	GROCERY SUPPLIES FOR VARIOUS FUNCTIONS	234.54
EFT62365	05/04/2018	KALAMUNDA DISTRICTS HOCKEY CLUB (INC)	KIDSPORT FUNDING FOR VARIOUS PLAYERS	685.00
EFT62366	05/04/2018	VENTURA HOMES PTY LTD	FOOTPATH DEPOSIT REFUNDS	5000.00
EFT62367	05/04/2018	KALAMUNDA VOLUNTEER BUSHFIRE BRIGADE	REIMBURSEMENT COSTS FOR VOLUNTEER BUSHFIRE BRIGADE	11806.42
EFT62368	05/04/2018	WALLISTON RIDING & PONY CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	300.00
EFT62369	05/04/2018	GCS SERVICES	PLUMBING SERVICES TO VARIOUS LOCATIONS	360.80
EFT62370	05/04/2018	HELEN ARMSTRONG & ASSOCIATES (T/AS WAXING LYRICAL CANDLES)	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	23.10
EFT62371	05/04/2018	SWAN EVENT HIRE	EQUIPMENT HIRE FOR VARIOUS EVENTS	93.60
EFT62372	05/04/2018	MIDWAY FORD (WA)	SUPPLY OF 2 NEW VEHICLES FOR OPERATIONS CENTRE	63568.52
EFT62373	05/04/2018	HAWLEY'S BOBCAT SERVICE	PLANT EQUIPMENT AND OPERATOR HIRE FOR VARIOUS LOCATIONS	5160.65
EFT62374	05/04/2018	ANNA HAMERSLEY	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	35.00
EFT62375	05/04/2018	AMEREX FIRE (WA) (E FIRE AND SAFETY)	FIRE EQUIPMENT MAINTENANCE FOR VARIOUS LOCATIONS	4070.00
EFT62376	05/04/2018	HILL TOP GROUP PTY	CONTRACTOR BUILDING MAINTENANCE FOR VARIOUS BUILDINGS	2748.14
EFT62377	05/04/2018	TALONS HSF PTY LTD T/A TALONS HIGH SECURITY FENCING	SERVICE AS REQUIRED AND SUPPLY OF PARTS TO REPAIR THE DEPOT GATES AND FENCE	682.00
EFT62378	05/04/2018	ANALYTICAL REFERENCE LABORATORY	ASBESTOS SAMPLING	60.50
EFT62379	05/04/2018	MOORE STEPHENS (WA) PTY LTD	REGISTRATION FOR STAFF TO ATTEND BUDGETING WORKSHOPS 2018	1588.40

Chq/EFT	Date	Name	Description	Amount
EFT62380	05/04/2018	HAYS SPECIALIST RECRUITMENT (AUSTRALIA) PTY LTD	HIRE OF TEMPORARY STAFF FOR ADMIN / DEPOT	4700.04
EFT62381	05/04/2018	NEW GENERATION HOMES - TANGENT NOMINEES PTY LTD	FOOTPATH DEPOSIT REFUND	2500.00
EFT62382	05/04/2018	ENGIE MECHANICAL SERVICES AUSTRALIA PTY LTD	AIRCONDITIONING MAINTENANCE / REPAIRS FOR VARIOUS LOCATIONS	6820.04
EFT62383	05/04/2018	KANYANA WILDLIFE REHABILITATION CENTRE INC	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	296.80
EFT62384	05/04/2018	PERRY ENVIRONMENTAL CONTRACTING	WEED CONTROL AT VARIOUS LOCATIONS	1298.00
EFT62385	05/04/2018	DUN & BRADSTREET (AUSTRALIA) PTY LTD	DEBT COLLECTION FEES FOR DEBTORS	33.00
EFT62386	05/04/2018	VINSAN CONTRACTING PTY LTD	FOOTPATH DEPOSIT REFUND	4000.00
EFT62387	05/04/2018	STRATAGREEN	GARDEN / RESERVE SUPPLIES	318.32
EFT62388	05/04/2018	ELECTRICITY NETWORKS CORP T/A WESTERN POWER	HEAD WORKS UPGRADE KOSTERA OVAL- L500 12 COTHERSTONE RD KALAMUNDA WP REF: MP172619 STREET LIGHT FOR PARKE RD GOOSEBERRY HILL STREET LIGHTS AT ASHBY CLOSE & SULTANA RD HIGH WYCOMBE	202563.00
EFT62389	05/04/2018	WOOLWORTHS GROUP LIMITED	GROCERY SUPPLIES FOR VARIOUS FUNCTIONS	986.55
EFT62390	05/04/2018	HILLIANS NETBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	1196.00
EFT62391	05/04/2018	GLENDA DAWN CHARLTON (PODIATRY)	PODIATRY SERVICES AT JACK HEALEY CENTRE	1337.07
EFT62392	05/04/2018	360 ENVIRONMENTAL PTY LTD	PROGRESS CLAIM # 002 - GROUND WATER MONITORING & ADDITIONAL INVESTIGATIVE WORKS AT BRAND RD & DAWSON AVE	1744.90
EFT62393	05/04/2018	TOM CAIRNS	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	2.80
EFT62394	05/04/2018	WOOD & GRIEVE ENGINEERS LTD	MUNDARING WEIR RD DESIGN, SURVEY AND DOCUMENTATION	20556.25
EFT62395	05/04/2018	SHIRLEY SPENCER	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	227.50
EFT62396	05/04/2018	PHILLIP FREDERICK ANDERSON	FOOTPATH DEPOSIT REFUND	2500.00

Chq/EFT	Date	Name	Description	Amount
EFT62397	05/04/2018	DRAINFLOW SERVICES PTY LTD	CLEANING / MAINTAINING STORM WATER DRAINS	6330.50
EFT62398	05/04/2018	KIWALES NETBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	600.00
EFT62399	05/04/2018	BRIKMAKERS	SUPPLY OF BLOCKS FOR THE PATH AT TAYLOR RD (& NANGANA WAY)	906.75
EFT62400	05/04/2018	GUMNUTS & LAVENDER	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	5.25
EFT62401	05/04/2018	CATALYSE PTY LTD	PART PAYMENT - MARKET RESEARCH - COMMUNITY SCORECARD	5500.00
EFT62402	05/04/2018	KALAMUNDA UNITED FOOTBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	900.00
EFT62403	05/04/2018	CHRISTINE VITLER	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	9.45
EFT62404	05/04/2018	ARMADILLO GROUP PTY LTD	PLANT / VEHICLE PARTS	389.66
EFT62405	05/04/2018	BEAVER TREE SERVICES	TREE REMOVAL / PRUNING FOR VARIOUS LOCATIONS	55.94
EFT62406	05/04/2018	WEST-SURE GROUP PTY LTD	CASH IN TRANSIT SERVICES - MARCH 2018	1760.11
EFT62407	05/04/2018	DONNA JEBB	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	6.30
EFT62408	05/04/2018	ALISON MULCAHY	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	47.60
EFT62409	05/04/2018	SAFEWAY BUILDING AND RENOVATIONS PTY LTD	TENDERED WORKS - PICKERING BROOK SPORTS CLUB ROOFING RENEWAL	88517.00
EFT62410	05/04/2018	MCLERNONS MEANS BUSINESS	SUPPLY OF OFFICE FURNITURE AND EQUIPMENT FOR VARIOUS LOCATIONS	44.50
EFT62411	05/04/2018	THE PETAL PRESS	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	8.82
EFT62412	05/04/2018	CONSTANCE NDABAMBI	HALL & KEY BOND REFUND	350.00
EFT62413	05/04/2018	KALAMUNDA BULLDOGS RUGBY LEAGUE FOOTBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	800.00
EFT62414	05/04/2018	TANKS FOR HIRE	HIRE OF HYDRATION TRAILER FOR CORYMBIA MULTICULTURAL FESTIVAL 2018	489.50

Chq/EFT	Date	Name	Description	Amount
EFT62415	05/04/2018	CLAIRE O'NEILL - CLAIRE'S EMBROIDERY	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	42.00
EFT62416	05/04/2018	LINDA STONES	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	173.95
EFT62417	05/04/2018	IAN MOSS	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	224.00
EFT62418	05/04/2018	PETER FALCONER	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	39.20
EFT62419	05/04/2018	DEPARTMENT OF PLANNING OF OPERATING ACCOUNT (DAP)	DAP APPLICATION - LOT 101 (1100) ABERNETHY ROAD HIGH WYCOMBE - PROPOSED SERVICE STATION - DA18/0095	4548.00
EFT62420	05/04/2018	JANICE PITTMAN	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	23.10
EFT62421	05/04/2018	BURGESS DESIGN GROUP	FEASIBILITY STUDY WATTLE GROVE SOUTH REZONING PROPOSALS	13772.77
EFT62422	05/04/2018	KALAMUNDA ELECTRICS	ELECTRICAL REPAIRS / MAINTENANCE FOR VARIOUS LOCATIONS	16184.18
EFT62423	05/04/2018	THE ARTFUL FLOWE - FELICIA LOWE	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	49.00
EFT62424	05/04/2018	RAJESH MALDE	REFUND OF EMPLOYMENT CONTRACT ALLOWANCE	381.82
EFT62425	05/04/2018	DAVID GREEN	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	13.93
EFT62426	05/04/2018	JB HI-FI COMMERCIAL	ELECTRICAL SUPPLIES – APPLE IPAD PRO 10.5" 64GB WI-FI & CELLULAR	5907.03
EFT62427	05/04/2018	SILK ON SILK (ROSEMARY LONSDALE)	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	70.00
EFT62428	05/04/2018	CUROST MILK SUPPLY	MILK SUPPLY FOR ADMINISTRATION CENTRE AND DEPOT	438.44
EFT62429	05/04/2018	ENVIRO PIPES PTY LTD	SUPPLY OF PIPES FOR VARIOUS LOCATIONS	3245.00
EFT62430	05/04/2018	MAVIS PASKULICH	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	96.60

Chq/EFT	Date	Name	Description	Amount
EFT62431	05/04/2018	NICHOLAS ROUND	REIMBURSEMENT OF COSTS RELATING TO SHANDY - GRAFFITI WORKING DOG	612.40
EFT62432	05/04/2018	A1 TROJAN PEST CONTROL	PEST CONTROL SERVICES FOR VARIOUS LOCATIONS	775.00
EFT62433	05/04/2018	SPARKS REFRIGERATION AND AIRCONDITIONING	DEGASSING OF FRIDGES, FREEZERS AND AIR CONDITIONING UNITS	1455.00
EFT62434	05/04/2018	SCORPION TRAINING SOLUTIONS	REGISTRATION FOR STAFF TO ATTEND SAFETY REPRESENTATIVES - 5 DAY TRAINING COURSE	880.00
EFT62435	05/04/2018	NEVERFAIL SPRINGWATER LTD (ADMIN OFFICE)	BOTTLED WATER SUPPLIES / MAINTENANCE	27.65
EFT62436	05/04/2018	OFF PEN PUBLISHING - BETH BAKER	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	70.00
EFT62437	05/04/2018	GOSNELLS POLICE & COMMUNITY YOUTH CENTRE (PCYC)	KIDSPORT FUNDING FOR VARIOUS PLAYERS	27.50
EFT62438	05/04/2018	QUEENS PARK JUNIOR FOOTBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	150.00
EFT62439	05/04/2018	GRAHAM STIMSON	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	94.50
EFT62440	05/04/2018	BALLIGART - HELEN LOCK	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	3.50
EFT62441	05/04/2018	PERTH BAYSWATER RUGBY UNION CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	150.00
EFT62442	05/04/2018	INTEGRATED RECORDS MANAGEMENT	MONTHLY OFFSITE STORAGE FEES	545.22
EFT62443	05/04/2018	PETER WEBB	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	37.73
EFT62444	05/04/2018	CATHERINE AURUBIND	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	16.80
EFT62445	05/04/2018	LINDAS BOOKS / ROLEYSTONE COURIER	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	37.80
EFT62446	05/04/2018	BRENDAS CLAY CRAFT	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	10.01
EFT62447	05/04/2018	IRENE YOUNG	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	15.40
EFT62448	05/04/2018	JFK CONSTRUCTION PTY LTD	FOOTPATH DEPOSIT REFUND	2500.00

Chq/EFT	Date	Name	Description	Amount
EFT62449	05/04/2018	NICKY WINTER - KASZAZZ IN KALAMUNDA	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	71.75
EFT62450	05/04/2018	GREENMOUNT NETBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	150.00
EFT62451	05/04/2018	HERB & ESSENCE	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	9.80
EFT62452	05/04/2018	MAZENOD BASKETBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	80.00
EFT62453	05/04/2018	VICTORIA MIZEN	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE -	10.50
EFT62454	05/04/2018	RIVERSIDE CHRISTIAN FOOTBALL CLUB INC	KIDSPORT FUNDING FOR VARIOUS PLAYERS	300.00
EFT62455	05/04/2018	STARWEST PARTY HIRE	EQUIPMENT HIRE FEES FOR MOVIE NIGHT KANYANA - SUMMER SERIES	1355.00
EFT62456	05/04/2018	TELSTRA SNP MONITORING PTY LTD	SECURITY MONITORING, EQUIPMENT AND REPAIRS TO VARIOUS LOCATIONS	2395.95
EFT62457	05/04/2018	ROSEMARY (ROSE) HANCOCK	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	3.43
EFT62458	05/04/2018	NATURE CALLS PORTABLE TOILETS	TOILET HIRE FEES FOR CORYMBIA MULTICULTURAL FESTIVAL 2018 & PERTH OBSERVATORY	1882.50
EFT62459	05/04/2018	TANIA PARK PUBLISHING	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	24.50
EFT62460	05/04/2018	MARKET CREATIONS	MARKETING & TECHNOLOGY SERVICE FEES & MONTHLY CLOUD HOSTING SERVICES	13632.53
EFT62461	05/04/2018	LE GROVE LANDSCAPING	CONSTRUCTION OF GRASS HOCKEY FIELDS HARTFIELD PARK, FORRESTFIELD	296628.59
EFT62462	05/04/2018	AUSTRALIAN OUTDOOR LIVING	FOOTPATH DEPOSIT REFUND	2500.00
EFT62463	05/04/2018	UNWINED T/A POSSUM CREEK LODGE	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	78.50
EFT62464	05/04/2018	TREASURES OF AUSTRALIA	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	96.39
EFT62465	05/04/2018	ALINTA ENERGY (ELECTRICITY ACCOUNT)	POWER CHARGES	8959.00
EFT62466	05/04/2018	MY HOMES WA	FOOTPATH DEPOSIT REFUND	2500.00

Chq/EFT	Date	Name	Description	Amount
EFT62467	05/04/2018	SATTERLEY PROPERTY GROUP PTY LTD	WAPC153213 - STAGE 1A THE HALES ESTATE FORRESTFIELD - MAINTENANCE BOND REFUND	24028.97
EFT62468	05/04/2018	WATTLE FACILITIES GROUP	WEEKLY WATERING SERVICES FOR GRASSTREES	165.00
EFT62469	05/04/2018	NEIL MCCALLION	REFUND FOR THE PURCHASE OF WORK BOOTS	165.00
EFT62470	05/04/2018	NATURES ART FINE CRAFTS	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	81.90
EFT62471	05/04/2018	TERRI HILL T/A ABLAZE GLASS STUDIO	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	42.00
EFT62472	05/04/2018	DOWSING GROUP PTY LTD	SUPPLY AND INSTALLATION OF PATHWAYS AT VARIOUS LOCATIONS	56038.41
EFT62473	05/04/2018	PROMAPP SOLUTIONS LTD	PROMAPP SUBSCRIPTION FEES FOR MARCH 2018	2145.00
EFT62474	05/04/2018	RECRUITWEST PTY LTD	HIRE OF TEMPORARY STAFF FOR DEPOT / ADMIN	5577.80
EFT62475	05/04/2018	PRESTIGE COMMUNICATIONS	SUPPLY OF 2 UNIDEN PORTABLE MEGAPHONES FOR OPERATIONS CENTRE	1059.74
EFT62476	05/04/2018	MAPDATA SERVICES PTY LTD	FME DATABASE EDITION - FIXED - MAINTENANCE FOR THE PERIOD: 01/04/2018 - 31/03/2019	2200.00
EFT62477	05/04/2018	UMANDEEP SINGH GAMBHIR	CROSSOVER CONTRIBUTION	428.00
EFT62478	05/04/2018	MARIE L'AIGUILLE	CROSSOVER CONTRIBUTION	428.00
EFT62479	05/04/2018	INDUSTRIAL ROADPAVERS (WA) PTY LTD	CANNING ROAD SHOULDER CONSTRUCTION- FOR THE RECONSTRUCTION OF SHOULDERS AT CANNING ROAD, CANNING MILLS	39468.00
EFT62480	05/04/2018	ALASTAIR TAYLOR	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	4.06
EFT62481	05/04/2018	SYLVANA DOUGLAS	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	11.20
EFT62482	05/04/2018	BOOST SYSTEMS PTY LTD	REGISTRATION FOR VARIOUS STAFF TO ATTEND BASIC WORKSITE TRAFFIC MANAGEMENT & TRAFFIC CONTROLLER TRAINING	5130.00
EFT62483	05/04/2018	A J POWER	LEGAL EXPENSES	1815.00

Chq/EFT	Date	Name	Description	Amount
EFT62484	05/04/2018	GYMMASTER SOFTWARE - TRESHNA ENTERPRISES LTD	STUDIO PACKAGE X 1 MONTH FOR THE HIGH WYCOMBE COMMUNITY AND RECREATION CENTRE GYM	80.00
EFT62485	05/04/2018	ULVERSCROFT LARGE PRINT BOOKS (AUST) PTY LTD	SUPPLIES FOR FORRESTFIELD LIBRARY	831.93
EFT62486	05/04/2018	CLINTON PRICE	CONSIGNMENT SUPPLIER - ZIG ZAG CULTURAL CENTRE - 01/03/18 - 31/03/18	42.00
EFT62487	05/04/2018	FOCUS AUDIOVISUAL PTY LTD	AUDIO VISUAL SUPPLIES FOR ADMINISTRATION	1313.40
EFT62488	05/04/2018	BOORLOO CULTURAL EXPERIENCE	DOORUM DANCERS PERFORMANCE AT THE CORYMBIA MULTICULTURAL FESTIVAL 2018	3000.00
EFT62489	05/04/2018	FIREFLIGHT YOGA	ACROBATICS - THE PLATFORM CORYMBIA MULTICULTURAL FESTIVAL 2018	350.00
EFT62490	05/04/2018	MELISSA BALCOMBE	SALE OF ARTWORK - SEA SPELL EXHIBITION	7101.50
EFT62491	05/04/2018	BROOK RETICULATION	SERVICE WORK RETICULATION VARIOUS SITES AS REQUESTED	1980.00
EFT62492	05/04/2018	AVELEY NETBALL CLUB INC	KIDSPORT FUNDING FOR VARIOUS PLAYERS	150.00
EFT62493	05/04/2018	JAMES TWALLIN	SUPPLY OF GREETING CARDS FOR ZIG ZAG CULTURAL CENTRE	180.00
EFT62494	05/04/2018	SASKIA TWIST - SARAH HEALY	CIRCUS SHOW AT CORYMBIA MULTICULTURAL FESTIVAL 2018	350.00
EFT62495	05/04/2018	AK HOMES CONSTRUCTION PTY LTD	FOOTPATH DEPOSIT REFUND	1500.00
EFT62496	05/04/2018	NICOLA BENNETT	KEY BOND REFUND	50.00
EFT62497		EFT PAYMENT CANCELLED		
EFT62498	11/04/2018	COMPLETE UNDERGROUND POWER INSTALLATIONS	COMPLETE UNDERGROUND POWER INSTALLATION (CUPI) COVERING THE PROPOSED UPGRADE OF EXISTING STREETLIGHTING AND PROVISION OF NEW STREETLIGHTING IN BOTH NARDINE CLOSE AND ASHBY CLOSE	63430.36
EFT62499	18/04/2018	WEX AUSTRALIA PTY LTD - WRIGHT EXPRESS FUEL CARDS AUSTRALIA LTD	FUEL - PERIOD ENDING 2 & 16 APRIL 2017	4766.41
EFT62500	18/04/2018	NEVERFAIL SPRINGWATER LTD (KALA LIB)	BOTTLED WATER SUPPLIES / MAINTENANCE	30.28

Chq/EFT	Date	Name	Description	Amount
EFT62501	18/04/2018	KALAMUNDA GLASS & WINDSCREENS ON WHEELS	GLASS REPAIRS / MAINTENANCE FOR VARIOUS LOCATIONS	751.97
EFT62502	18/04/2018	CARDNO (WA) PTY LTD	KALAMUNDA BIKE PLAN - VARIATION NO. 5 - TRAINING ROUTE PROJECTS	5060.00
EFT62503	18/04/2018	IMAGE EMBROIDERY	SUPPLY OF UNIFORM FOR VARIOUS STAFF MEMBERS	1139.05
EFT62504	18/04/2018	FIRE AND SAFETY WA	FIRE PROTECTION WEAR / SUPPLIES	319.00
EFT62505	18/04/2018	CA TECHNOLOGY PTY LTD (CAMMS)	PURCHASE OF RISK MANAGEMENT & INCIDENT REPORTING, AND MIGRATION OF INTERPLAN, PES, WORKFORCE PLANNING TO CAMMS CLOUD	22000.00
EFT62506	18/04/2018	FREESTYLE NOW	SKATEPARK COACHING SESSION AT HIGH WYCOMBE SKATEPARK ON THE 03 APRIL 2018	363.00
EFT62507	18/04/2018	CABCHARGE AUSTRALIA LIMITED	CABCHARGE FEES	87.98
EFT62508	18/04/2018	NEVERFAIL SPRINGWATERLTD (FORRESTFIELD LIB)	BOTTLED WATER SUPPLIES / MAINTENANCE	37.85
EFT62509	18/04/2018	SYRINX ENVIRONMENTAL P/L	WEED CONTROL AT VARIOUS LOCATIONS	16598.41
EFT62510	18/04/2018	TOP OF THE LADDER	GUTTER CLEANING SERVICES FOR VARIOUS LOCATIONS	2277.00
EFT62511	18/04/2018	AUSTRALIAN TRAINING MANAGEMENT	SENIOR FIRST AID ON SITE IN THE FUNCTION ROOM FOR VARIOUS STAFF	1400.00
EFT62512	18/04/2018	ALL EARTH GROUP PTY LTD	DISPOSAL OF ROAD SWEEPINGS, GULLY EDUCATION SOILS & MIXED WASTE MATERIALS	38216.64
EFT62513	18/04/2018	FOCUS CONSULTING WA PTY LTD	ELECTRICAL CONSULTING SERVICES AT SHEFFIELD RD WATTLE GROVE & SCOTT RESERVE LIGHT UPGRADE	4620.00
EFT62514	18/04/2018	LORNA PENKETH	SALE OF ARTWORK - IN LOVE WITH WA EXHIBITION	469.00
EFT62515	18/04/2018	ALBERT ALEXANDER CARSE	SALE OF ARTWORK - IN LOVE WITH WA EXHIBITION	945.00
EFT62516	18/04/2018	KEITH & MERLE BAXTER	FOOTPATH DEPOSIT REFUND	2500.00
EFT62517	18/04/2018	MARY EDITH ROVIS-HERMAN	SALE OF ARTWORK - IN LOVE WITH WA EXHIBITION	126.00
EFT62518	18/04/2018	KENNETH JAMES & SUSAN MARGARET GILBERT	RATES REFUND	388.88

Chq/EFT	Date	Name	Description	Amount
EFT62519	18/04/2018	LYNDA LORRAINE DICKSON	SALE OF ARTWORK - IN LOVE WITH WA EXHIBITION	252.00
EFT62520	18/04/2018	MARGARET HARRIS FEHRMAN	SALE OF ARTWORK - IN LOVE WITH WA EXHIBITION	126.00
EFT62521	18/04/2018	JENNIFER THERESE OWEN	SALE OF ARTWORK - IN LOVE WITH WA EXHIBITION	56.00
EFT62522	18/04/2018	CITY OF KALAMUNDA STAFF SOCIAL CLUB	PAYROLL DEDUCTIONS	152.00
EFT62523	18/04/2018	CHILD SUPPORT AGENCY	PAYROLL DEDUCTIONS	1169.64
EFT62524	18/04/2018	AUSTRALIA POST	POSTAL EXPENSES / COUNTER BILLPAY TRANSACTION FEES	4305.18
EFT62525	18/04/2018	BUNNINGS BUILDING SUPPLIES	HARDWARE SUPPLIES FOR VARIOUS LOCATIONS	2417.06
EFT62526	18/04/2018	COVS PARTS PTY LTD	PLANT / VEHICLE PARTS	6139.58
EFT62527	18/04/2018	LANDGATE	LAND ENQUIRIES FOR VARIOUS LOCATIONS	101.20
EFT62528	18/04/2018	KALAMUNDA AUTO ELECTRICS	PLANT / VEHICLE PARTS	1584.15
EFT62529	18/04/2018	KALAMUNDA TOYOTA	SUPPLY OF 1 NEW VEHICLE	61312.70
EFT62530	18/04/2018	MCLEODS BARRISTERS & SOLICITORS	LEGAL EXPENSES	3341.84
EFT62531	18/04/2018	CLEANAWAY	WASTE / RECYCLING & BULK BIN DISPOSAL SERVICES FEES	267921.71
EFT62532	18/04/2018	LANDGATE - VALUATIONS	GROSS RENTAL VALUATION FEES FOR VARIOUS LOCATIONS	752.34
EFT62533	18/04/2018	WALKERS HARDWARE (MITRE 10)	HARDWARE SUPPLIES	156.00
EFT62534	18/04/2018	MCKAY EARTHMOVING PTY LTD	PLANT EQUIPMENT AND OPERATOR HIRE FOR VARIOUS LOCATIONS	42323.55
EFT62535	18/04/2018	K-LINE FENCING GROUP	FENCING SUPPLIES / REPAIRS	1265.00
EFT62536	18/04/2018	BORAL CONSTRUCTION MATERIALS GROUP	ROAD MATERIALS FOR VARIOUS LOCATIONS	3504.94
EFT62537	18/04/2018	DOMUS NURSERY	GARDEN SUPPLIES FOR VARIOUS LOCATIONS	1393.92
EFT62538	18/04/2018	VODAFONE HUTCHISON AUSTRALIA PTY LTD	COMMUNICATION EXPENSES FOR EMERGENCY SERVICES - APRIL 2018	1654.00
EFT62539	18/04/2018	FASTA COURIERS	COURIER FEES	148.38
EFT62540	18/04/2018	THE WATERSHED WATER SYSTEMS	RETICULATION PARTS FOR VARIOUS RESERVES	2042.41
EFT62541	18/04/2018	SG ENVIRO	SEPTIC / GREASE TANK CLEAN OUT SERVICES AT VARIOUS LOCATIONS	363.06

Chq/EFT	Date	Name	Description	Amount
EFT62542	18/04/2018	ALSCO LINEN SERVICE	LINEN HIRE / LAUNDRY SERVICES / CLEANING SUPPLIES	852.39
EFT62543	18/04/2018	BRADOCK PODIATRY SERVICES PTY LTD	PODIATRY SERVICES AT JACK HEALEY CENTRE	1067.28
EFT62544	18/04/2018	LINDLEY CONTRACTING	PLUMBING REPAIRS / MAINTENANCE FOR VARIOUS LOCATIONS	2288.00
EFT62545	18/04/2018	KALA BOB KATS PTY LTD	PLANT EQUIPMENT AND OPERATOR HIRE FOR VARIOUS LOCATIONS	5627.92
EFT62546	18/04/2018	SYNERGY	POWER CHARGES	30698.55
EFT62547	18/04/2018	ALINTA ENERGY	GAS CHARGES	60.25
EFT62548	18/04/2018	GRIMES CONTRACTING PTY LTD	CONTRACTOR BUILDING MAINTENANCE FOR VARIOUS BUILDINGS	6910.53
EFT62549	18/04/2018	KENNEDYS TREE SERVICES	TREE REMOVAL / PRUNING FOR VARIOUS LOCATIONS	9828.00
EFT62550	18/04/2018	CADSULT IRRIGATION CONSULTANTS	IRRIGATION TECHNOLOGY CONSULTANTS	4950.00
EFT62551	18/04/2018	WESTSIDE FIRE SERVICES	TESTING AND INSPECTION OF FIRE EQUIPMENT / SUPPLIES	865.51
EFT62552	18/04/2018	KALAMUNDA STATE EMERGENCY SERVICE (SES)	REIMBURSEMENT - GOODS AND SERVICES	3199.64
EFT62553	18/04/2018	MARKETFORCE PTY LTD	ADVERTISED FOR SEEK WEBSITE FOR GIS SUPPORT OFFICER – PART TIME	1031.64
EFT62554	18/04/2018	IT VISION AUSTRALIA PTY LTD	ONCHARGE TRAVEL COSTS INCURRED BY IT VISION ACCOMMODATION - IBIS KALGOORLIE FOR JAMIE PATERSON	428.01
EFT62555	18/04/2018	LO-GO APPOINTMENTS	HIRE OF TEMPORARY STAFF FOR DEPOT / ADMIN	9005.48
EFT62556	18/04/2018	STAFF AUSTRALIA	HIRE OF TEMPORARY STAFF FOR DEPOT / ADMIN	3507.70
EFT62557	18/04/2018	ZIG ZAG GRAPHICS AND PRINT	PERTH HILLS WILDFLOWERS BROCHURE - DESIGN	297.00
EFT62558	18/04/2018	AIR LIQUIDE WA PTY LTD	SUPPLY OF GAS CYLINDER REFILLS AND RENTAL FEES	182.48
EFT62559	18/04/2018	GLENICE ELVINA PILCHER	PART REFUND FOR BOOTCAMP PROGRAM AT HARTFIELD PARK RECREATION CENTRE	132.50

Chq/EFT	Date	Name	Description	Amount
EFT62560	18/04/2018	KALAMUNDA COMMUNITY LEARNING CENTRE	BOND REFUND FOR THE USE OF THE GALLERY AT THE ZIG ZAG CULTURAL SESSION	500.00
EFT62561	18/04/2018	CRABBS KALAMUNDA (IGA)	GROCERY SUPPLIES FOR VARIOUS FUNCTIONS	247.98
EFT62562	18/04/2018	KALAMUNDA DISTRICTS HOCKEY CLUB (INC)	KIDSPORT FUNDING FOR VARIOUS PLAYERS	815.00
EFT62563	18/04/2018	FORRESTFIELD FOOTBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	2200.00
EFT62564	18/04/2018	VENTURA HOMES PTY LTD	FOOTPATH DEPOSIT REFUND	2500.00
EFT62565	18/04/2018	KALAMUNDA VOLUNTEER BUSHFIRE BRIGADE	REIMBURSEMENT COSTS FOR VOLUNTEER BUSHFIRE BRIGADE	4223.63
EFT62566	18/04/2018	OCE CORPORATE PTY LTD - OFFICE CLEANING EXPERTS PTY LTD	CLEANING SERVICES / CONSUMABLES FOR VARIOUS LOCATIONS	39447.02
EFT62567	18/04/2018	WATTLE GROVE VETERINARY HOSPITAL	VETERINARY FEES	80.00
EFT62568	18/04/2018	FORRESTFIELD UNITED SOCCER CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	1320.00
EFT62569	18/04/2018	COMMISSIONER OF POLICE	VOLUNTEER POLICE CHECKS	208.60
EFT62570	18/04/2018	KALAMUNDA PLUMBING & ELECTRICAL	PLUMBING REPAIRS / MAINTENANC FOR VARIOUS LOCATIONS	4734.40
EFT62571	18/04/2018	MIDWAY FORD (WA)	SUPPLY OF 5 NEW VEHICLES	158892.05
EFT62572	18/04/2018	TOTAL EDEN PTY LTD	RETICULATION PARTS AND SERVICES AS REQUIRED	6372.59
EFT62573	18/04/2018	URBAN DEVELOPMENT INSTITUTE OF AUSTRALIA WA DIVISION INC	REGISTRATION FOR MAYOR GIARDINA, CR FERNIE AND CR DESTREE TO ATTEND A CONVERSATION WITH THE COMMISSION'S CHAIR WORKSHOP	297.00
EFT62574	18/04/2018	HAWLEY'S BOBCAT SERVICE	PLANT EQUIPMENT AND OPERATOR HIRE FOR VARIOUS LOCATIONS	5819.00
EFT62575	18/04/2018	HIGH WYCOMBE JUNIOR FOOTBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	3700.00
EFT62576	18/04/2018	KALAMUNDA & DISTRICTS BASKETBALL ASSOCIATION INC	KIDSPORT FUNDING FOR VARIOUS PLAYERS	165.00
EFT62577	18/04/2018	MIDLAND CEMENT PRODUCTS	PLUMBING SUPPLIES FOR VARIOUS LOCATIONS	41.97
EFT62578	18/04/2018	LOCAL GOVERNMENT PROFESSIONALS AUSTRALIA (WA DIVISION)	2017 - 2018 MEMBERSHIP FOR STAFF	260.50
EFT62579	18/04/2018	TECHNOLOGY ONE LTD	REGISTRATION FOR STAFF MEMBERS TO ATTEND QGIS - DISCOVERY TRAINING	2640.00

Chq/EFT	Date	Name	Description	Amount
EFT62580	18/04/2018	METROCOUNT	SURVEYING SUPPLIES	1932.70
EFT62581	18/04/2018	HILL TOP GROUP PTY	CONTRACTOR BUILDING MAINTENANCE FOR VARIOUS BUILDINGS	8039.85
EFT62582	18/04/2018	TALONS HSF PTY LTD T/A TALONS HIGH SECURITY FENCING	SERVICE AS REQUIRED AND SUPPLY OF PARTS TO REPAIR THE DEPOT GATES AND FENCE	539.00
EFT62583	18/04/2018	INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALIA WA	REGISTRATION FOR STAFF TO ATTEND ASSET DETERIORATION MODELLING & LIFE CYCLE COST ANALYSIS WORKSHOP	1352.50
EFT62584	18/04/2018	HAYS SPECIALIST RECRUITMENT (AUSTRALIA) PTY LTD	HIRE OF TEMPORARY STAFF FOR ADMIN / DEPOT	3760.02
EFT62585	18/04/2018	ENGIE MECHANICAL SERVICES AUSTRALIA PTY LTD	AIRCONDITIONING MAINTENANCE / REPAIRS FOR VARIOUS LOCATIONS	7857.32
EFT62586	18/04/2018	LOCAL GOVERNMENT PLANNERS ASSOCIATION	REGISTRATION FOR STAFF TO ATTEND RESHAPING OUR SUBURBS - THE CHALLENGES OF INFILL DEVELOPMENT	320.00
EFT62587	18/04/2018	WEST AUSTRALIAN NEWSPAPERS HOLDINGS LTD	ZIG ZAG GALLERY ADVERTISING - WHAT'S ON IN THE WEST	168.80
EFT62588	18/04/2018	NYREE TAYLOR	HALL & KEY BOND REFUND	350.00
EFT62589	18/04/2018	1ST KALAMUNDA SCOUT GROUP	KIDSPORT FUNDING FOR VARIOUS PLAYERS	165.00
EFT62590	18/04/2018	PERRY ENVIRONMENTAL CONTRACTING	WEED CONTROL AT VARIOUS LOCATIONS	275.00
EFT62591	18/04/2018	DUN & BRADSTREET (AUSTRALIA) PTY LTD	DEBT COLLECTION FEES FOR LIBRARY AND DEBTORS	39.38
EFT62592	18/04/2018	FOOD TECHNOLOGY SERVICES PTY LTD	HIRE OF TEMPORARY STAFF FOR HEALTH DEPARTMENT	3450.15
EFT62593	18/04/2018	DEAN AARON WOOD	RATES REFUND	427.68
EFT62594	18/04/2018	HILLVIEW LIFESTYLE VILLAGE PTY LTD	RATES REFUND	217.04
EFT62595	18/04/2018	STRATAGREEN	GARDEN / RESERVE SUPPLIES	3724.60
EFT62596	18/04/2018	AUSTRALIAN INSTITUTE OF COMPANY DIRECTORS	REGISTRATION FOR CEO TO ATTEND COMPANY DIRECTORS COURSE COMMENCING 21 JUNE 2018	7235.00
EFT62597	18/04/2018	PORTER CONSULTING ENGINEERS	SUPPLY OF HALE ROAD/WOOLWORTHS DRIVE INTERSECTION AND COMMERCIAL ACCESS REVIEW	14212.00

Chq/EFT	Date	Name	Description	Amount
EFT62598	18/04/2018	STEWART ANDREW & REBECCA IRENE HERBERTSON	FOOTPATH DEPOSIT REFUND	2500.00
EFT62599	18/04/2018	WOOLWORTHS GROUP LIMITED	GROCERY SUPPLIES FOR VARIOUS FUNCTIONS	1115.83
EFT62600	18/04/2018	FORRESTFIELD TENNIS CLUB (INC)	FORRESTFIELD TENNIS CLUB HIRE FEES FROM HARTFIELD PARK REC CENTRE - 01/03/18 - 31/03/18	90.00
EFT62601	18/04/2018	EASTERN REGION SECURITY	SECURITY SERVICES TO VARIOUS LOCATIONS	4312.94
EFT62602	18/04/2018	GLENDA DAWN CHARLTON (PODIATRY)	PODIATRY SERVICES AT JACK HEALEY CENTRE	638.95
EFT62603	18/04/2018	EASIFLEET MANAGEMENT	STAFF CONTRIBUTIONS TO NOVATED / OPERATING LEASES	9495.25
EFT62604	18/04/2018	THE GIRLS BRIGADE WA - KALAMUNDA GIRLS BRIGADE	KIDSPORT FUNDING FOR VARIOUS PLAYERS	140.00
EFT62605	18/04/2018	MULTILEC ENGINEERING	QUARTERLY SERVICING & TESTING OF LIFTS	4482.12
EFT62606	18/04/2018	MOHD FIRDARIDZUAN BIN MOHAMMAD	HALL BOND REFUND	500.00
EFT62607	18/04/2018	LIBERTY OIL AUSTRALIA PTY LTD	SUPPLY OF FUEL	34038.31
EFT62608	18/04/2018	ROBERT SALAMIDA ESTEBAN	HALL & KEY BOND REFUND	475.00
EFT62609	18/04/2018	CONTRAFLOW	TRAFFIC MANAGEMENT FOR VARIOUS LOCATIONS	2551.26
EFT62610		EFT PAYMENT CANCELLED		
EFT62611	18/04/2018	CATALYSE PTY LTD	FEES FOR CULTYR EMPLOYEE SCORECARD 2018 MANAGEMENT - SURVEY	4950.00
EFT62612	18/04/2018	KALAMUNDA UNITED FOOTBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	300.00
EFT62613	18/04/2018	BENCHMARK MAINTENANCE SERVICES	CONTRACTOR BUILDING MAINTENANCE VARIOUS BUILDINGS	2310.00
EFT62614	18/04/2018	BEAVER TREE SERVICES	TREE REMOVAL / PRUNING FOR VARIOUS LOCATIONS	4873.83
EFT62615	18/04/2018	MAGGIES NETBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	150.00
EFT62616	18/04/2018	SIMSAI CONSTRUCTIONS GROUP PTY LTD	FOOTPATH DEPOSIT REFUND	2500.00
EFT62617	18/04/2018	SEWING AND CRAFT WITH MEMA	DRY CLEANING / WASHING SERVICES FOR HARTFIELD PARK RECREATION CENTRE	78.00
EFT62618	18/04/2018	AMANDA CLANCY	PARK DOG STERILIZATION REFUND	77.50
EFT62619	18/04/2018	SSB PTY LTD DREAMSTART HOMES	FOOTPATH DEPOSIT REFUND	2500.00

Chq/EFT	Date	Name	Description	Amount
EFT62620	18/04/2018	KALAMUNDA BULLDOGS RUGBY LEAGUE FOOTBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	300.00
EFT62621	18/04/2018	ASPHALTECH PTY LTD	ROAD MATERIALS FOR VARIOUS LOCATIONS	46974.47
EFT62622	18/04/2018	SAFE T CARD AUSTRALIA PTY LTD	MONTHLY MONITORING CHARGES FOR VARIOUS LOCATIONS	99.00
EFT62623	18/04/2018	FOXTEL	MONTHLY SUBSCRIPTION FEE	210.00
EFT62624	18/04/2018	HANDS-ON INFECTION CONTROL	HEPATITIS VACCINATION SUPPLIES FOR STAFF MEMBERS	748.61
EFT62625	18/04/2018	TANGOS NETBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	450.00
EFT62626	18/04/2018	KALAMUNDA ELECTRICS	ELECTRICAL REPAIRS / MAINTENANCE FOR VARIOUS LOCATIONS	38974.53
EFT62627	18/04/2018	AAAC TOWING PTY LTD	TOWING SERVICES FEES	220.00
EFT62628	18/04/2018	BELMONT NETBALL ASSOCIATION	KIDSPORT FUNDING FOR VARIOUS PLAYERS	300.00
EFT62629	18/04/2018	LJ HOOKER WILLETTON	RATES REFUND	642.90
EFT62630	18/04/2018	JB HI-FI COMMERCIAL	MICROSOFT SURFACE BOOK & ACCESSORIES QUOTE NUMBER 00081703	7173.94
EFT62631	18/04/2018	CANNINGTON RETRAVISION	WESTINGHOUSE 450L BOTTOM MOUNT FRIDGE	1283.00
EFT62632	18/04/2018	CUROST MILK SUPPLY	MILK SUPPLY FOR DEPOT	85.92
EFT62633	18/04/2018	VANINKA CLARKE	FOOTPATH DEPOSIT REFUND	2500.00
EFT62634	18/04/2018	NICHOLAS ROUND	REIMBURSEMENT OF COSTS RELATING TO SHANDY - GRAFFITI WORKING DOG	106.30
EFT62635	18/04/2018	LESMURDIE WARRIORS NETBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	450.00
EFT62636	18/04/2018	MICHAEL & TANYA STORER	FOOTPATH DEPOSIT REFUND	4000.00
EFT62637	18/04/2018	A1 TROJAN PEST CONTROL	PEST CONTROL SERVICES FOR VARIOUS LOCATIONS	3152.00
EFT62638	18/04/2018	NEVERFAIL SPRINGWATER LTD (ADMIN OFFICE)	BOTTLED WATER SUPPLIES / MAINTENANCE	14.45
EFT62639	18/04/2018	FLEETCARE PTY LTD	STAFF CONTRIBUTIONS TO NOVATED / OPERATING LEASING	2379.37
EFT62640	18/04/2018	GARAGE SALE TRAIL FOUNDATION	ANNUAL FEE FOR ENTERING GARAGE SALE TRAIL	5500.00
EFT62641	18/04/2018	NORDIC ACADEMY	KEY BOND REFUND	50.00

Chq/EFT	Date	Name	Description	Amount
EFT62642	18/04/2018	KENWICK JUNIOR FOOTBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	150.00
EFT62643	18/04/2018	JOYCE MATHERS	ENTERTAINMENT FOR MORNING MUSIC PERFORMANCE APRIL 2018	1100.00
EFT62644	18/04/2018	19TH PERTH (GOSNELLS) GIRLS BRIGADE	KIDSPORT FUNDING FOR VARIOUS PLAYERS	165.00
EFT62645	18/04/2018	THE FOREVER PROJECT	BIODIVERSITY WORKSHOP 20 APRIL 2018	3819.20
EFT62646	18/04/2018	THE LUCKY CHARM	NEWSPAPERS / MAGAZINES SUPPLIES FOR VARIOUS LOCATIONS	60.95
EFT62647	18/04/2018	SEATADVISOR PTY LTD	TICKET SALES FEES MARCH 2018	267.41
EFT62648	18/04/2018	BLACKTREE TECHNOLOGY PTY LTD	RADIO ID & ACCESS TO THE CENTRAL PARK REPEATER SITE FOR 8 RADIOS -	255.20
EFT62649	18/04/2018	NEW WATER WAYS INC	REGISTRATION FOR STAFF TO ATTEND NEW WATERS WAYS TRAINING WORKSHOP	198.00
EFT62650	18/04/2018	INSIGHT ORNITHOLOGY	NIGHT WALK IN CAMBRIDGE RESERVE AND HILL ST RESERVE ON 24 MARCH AND 5 MAY	350.00
EFT62651	18/04/2018	PHOENIX NETBALL CLUB INC	KIDSPORT FUNDING FOR VARIOUS PLAYERS	450.00
EFT62652	18/04/2018	RIVERSIDE CHRISTIAN FOOTBALL CLUB INC	KIDSPORT FUNDING FOR VARIOUS PLAYERS	150.00
EFT62653	18/04/2018	SECURE PAY	TICKET TRANSACTION FEES	37.76
EFT62654	18/04/2018	VIC PARK JUNIOR FOOTBALL CLUB	KIDSPORT FUNDING FOR VARIOUS PLAYERS	150.00
EFT62655	18/04/2018	KAREN BRIERLEY	DONATION - CITIZENSHIP PROJECT - JOSEPHINE ENGLISHBY	100.00
EFT62656	18/04/2018	MICHAEL MAURICE DRAKE-BROCKMAN	BUILDING APPLICATION FEE REFUND	97.70
EFT62657	18/04/2018	TELSTRA SNP MONITORING PTY LTD	SECURITY MONITORING, EQUIPMENT AND REPAIRS TO VARIOUS LOCATIONS	5122.13
EFT62658	18/04/2018	AUS CHILL TECHNICAL SERVICES PTY LTD	SUPPLY AIR CONDITIONING REPAIRS AND INSTALLATION TO VARIOUS LOCATIONS	5387.33
EFT62659	18/04/2018	MARKET CREATIONS	MARKETING & TECHNOLOGY SERVICE FEES & MONTHLY CLOUD HOSTING SERVICES	1478.13
EFT62660	18/04/2018	FAIRVIEW PLUMBING & GAS PTY LTD	PLUMBING REPAIRS / MAINTENANCE FOR VARIOUS LOCATIONS	495.00

Chq/EFT	Date	Name	Description	Amount
EFT62661	18/04/2018	FREEDOM FAIRIES PTY LTD	DREAMCATCHER WORKSHOP AT CORYMBIA MULTICULTURAL FESTIVAL 2018	1122.00
EFT62662	18/04/2018	XIAO-YAN CAO	FOOTPATH DEPOSIT REFUND	2500.00
EFT62663	18/04/2018	HELLO PERTH	AD - PERTH HILLS VISITOR CENTRE - HELLO PERTH FOLD OUT MAP MARCH/APRIL/MAY 2018	975.00
EFT62664	18/04/2018	ATI MARTIAL ARTS FORRESTFIELD T/A TOMSHIN TAEKWONDO	KIDSPORT FUNDING FOR VARIOUS PLAYERS	462.00
EFT62665	18/04/2018	KERB DIRECT KERBING PTY LTD	SUPPLY OF CONCRETE KERBING AT VARIOUS LOCATIONS	41377.44
EFT62666	18/04/2018	ALINTA ENERGY (ELECTRICITY ACCOUNT)	POWER CHARGES	4876.21
EFT62667	18/04/2018	OPTEON (WESTERN AUSTRALIA) PTY LTD	CELL 9, WATTLE GROVE DEVELOPMENT - VALUATION	3575.00
EFT62668	18/04/2018	WA MOBILE FOOD VENDORS ASSOCIATION	REFUND OF RESERVE HIRE BOND FOR FOOD TRUCK EVENT AT FLEMING RESERVE	1000.00
EFT62669	18/04/2018	RIDING FOR THE DISABLED - OAKFORD GROUP	KIDSPORT FUNDING FOR VARIOUS PLAYERS	330.00
EFT62670	18/04/2018	ROLEYSTONE LANDSCAPING	FOOTPATH DEPOSIT REFUND	2500.00
EFT62671	18/04/2018	ALL FUN FACE PAINTING	FACE PAINTING AND BALLOON TWISTING SERVICES FOR SUMMER SERIES EVENTS - 6TH JAN, 12TH JAN AND 9TH MARCH 2018	920.00
EFT62672	18/04/2018	SPICK AND SPAN COMMERCIAL PROPERTY MAINTENANCE PTY LTD	CLEANING SERVICES	5957.71
EFT62673	18/04/2018	MURPHY PAINTING & DECORATING	PAINTING SERVICES AT GOOSEBERRY HILL SCOUT HALL	9608.00
EFT62674	18/04/2018	ENTIRE FIRE MANAGEMENT	FIREBREAK MAINTENANCE AT VARIOUS LOCATIONS	9900.00
EFT62675	18/04/2018	BORRELLO GRAHAM LAWYERS	LEGAL EXPENSES	5281.65
EFT62676	18/04/2018	DOWSING GROUP PTY LTD	SUPPLY AND INSTALL PATHWAYS AT VARIOUS LOCATIONS	41883.96
EFT62677	18/04/2018	WIZETHERAPY	KEY BOND REFUND	50.00
EFT62678	18/04/2018	CAPITAL FINANCE AUSTRALIA LTD	QUARTERLY OPERATING LEASE PAYMENTS FOR MULTI FUNCTION DEVICES	13533.82

Chq/EFT	Date	Name	Description	Amount
EFT62679	18/04/2018	RECRUITWEST PTY LTD	HIRE OF TEMPORARY STAFF FOR DEPOT / ADMIN	5715.73
EFT62680	18/04/2018	URBAQUA LTD	INDEPENDENT REVIEW OF WATER MANAGEMENT PLAN AND EQUINE MANAGEMENT PLAN FOR 664 PICKERING BROOK ROAD, PICKERING BROOK	1650.00
EFT62681	18/04/2018	PETER JENKINS	BOND REFUND FOR POP UP FOOD TRUCK EVENT AT KALARI DRIVE PARK	1000.00
EFT62682	18/04/2018	NYUNGAR.COM (NEVILLE COLLARD)	BUSH TUCKER TALKS AND CULTURAL WALKS FOR CONNECTING COMMUNITIES EVENT	660.00
EFT62683	18/04/2018	COLIN & JENNIFER SMITH	FOOTPATH DEPOSIT REFUND	2500.00
EFT62684	18/04/2018	A PROUD LANDMARK PTY LTD	LANDSCAPE WORKS AT BEENUP RESERVE	6039.00
EFT62685	18/04/2018	CLERKING SERVICES (WA) PTY LTD	DOC BOX CLERKING SERVICES	438.90
EFT62686	18/04/2018	LF MEDIA	SUPPLY 20 X A2 OUTDOOR STICKERS FOR THE CITY'S LEVEL OF SERVICE COMMUNITY CONSULTATION	788.77
EFT62687	18/04/2018	MARK ANDERSON T/AS YOUR HOME BUILDER WA	FOOTPATH DEPOSIT REFUND	4000.00
EFT62688	18/04/2018	UNIDATA PTY LTD	REGISTRATIIN FOR STAFF TO ATTEND FLOW MONITORING EQUIPMENT TRAINING	990.00
EFT62689	18/04/2018	CREATIVE ADM	STRATEGIC REVIEW BRAND DEVELOPMENT AND IDENTITY	6600.00
EFT62690	18/04/2018	APT TRAVEL GROUP	BOND REFUND FOR THE USE OF THE SEMINAR ROOM AT THE ZIG ZAG CULTURAL CENTRE	300.00
EFT62691	18/04/2018	EMPLOYEECONNECT PTY LTD	MONTHLY SOFTWARE AND SERVICE FOR PRO - MARCH 2018	3593.70
EFT62692	18/04/2018	INTELLIGENT EDGE PTY LTD	SUPPORT OF PROJECT MANAGEMENT WORKING GROUP	1650.00
EFT62693	18/04/2018	CATHERINE FINCH	KEY BOND REFUND	50.00
EFT62694	18/04/2018	JESSICA TAYLOR	HALL BOND REFUND	200.00
EFT62695	18/04/2018	SPECTRUM FACILITATION	BOND REFUND FOR THE USE OF THE SEMINAR ROOM AT THE ZIG ZAG CULTURAL CENTRE	200.00
EFT62696	20/04/2018	BRADLEY WHITE	CONFIDENTIAL-GENERAL DAMAGES LEGAL REFERENCE NUMBER 170019	12000.00

Chq/EFT	Date	Name	Description	Amount
EFT62697	26/04/2018	THE WORKWEAR GROUP PTY LTD	SUPPLY OF UNIFORM FOR VARIOUS STAFF MEMBERS	174.00
EFT62698	26/04/2018	WILSONS SIGN SOLUTIONS	UPDATE NAME PLAQUE FOR CHAMBERS	66.00
EFT62699	26/04/2018	RICOH AUSTRALIA PTY LTD	PHOTOCOPYING CHARGES	5593.94
EFT62700	26/04/2018	CARDNO (WA) PTY LTD	BIKE PLAN VARIATION NO 4 - 42 ON HAYNES COMMUNITY CONSULTATION	990.00
EFT62701	26/04/2018	IMAGE EMBROIDERY	SUPPLY OF UNIFORM FOR VARIOUS STAFF MEMBERS	527.12
EFT62702	26/04/2018	AFGRI EQUIPMENT AUSTRALIA PTY LTD	PLANT / VEHICLE PARTS	332.18
EFT62703	26/04/2018	THE PLANNING GROUP WA PTY LTD (TPG TOWN PLANNING URBAN DESIGN & HERITAGE)	PROFESSIONAL PLANNING SERVICES FOR FORRESTFIELD NORTH STRUCTURE PLAN	67612.42
EFT62704	26/04/2018	THE JAFFA ROOM/ ARTISTRALIA	COPYRIGHT - PUBLIC SCREENING OF WALL-E FOR WA YOUTH WEEK EVENT AT KALAMUNDA TOWN SQUARE	495.00
EFT62705	26/04/2018	TOTALLY WORKWEAR	SUPPLY OF PROTECTIVE CLOTHING	2233.46
EFT62706	26/04/2018	FOCUS CONSULTING WA PTY LTD	ELECTRICAL CONSULTING SERVICES - STREET LIGHTING IMPROVEMENT AT SHEFFIELD RD & ST JOHN ROAD WATTLE GROVE	2585.00
EFT62707	26/04/2018	ALLAN MORTON	COUNCILLOR ALLOWANCE - 01/04/18 - 30/04/18	2212.51
EFT62708	26/04/2018	LESLEY BOYD	COUNCILLOR ALLOWANCE - 01/04/18 - 30/04/18	2212.51
EFT62709	26/04/2018	COATES HIRE OPERATIONS PTY LTD	PLANT / EQUIPMENT HIRE	356.77
EFT62710	26/04/2018	WA LIBRARY SUPPLIES PTY LTD	LIBRARY / OFFICE SUPPLIES	271.60
EFT62711	26/04/2018	ECHO NEWSPAPER	ADVERTISING FOR VARIOUS JOBS / EVENTS	1430.00
EFT62712	26/04/2018	EASTERN METROPOLITAN REGIONAL COUNCIL	DOMESTIC / WASTE CHARGES - RED HILL TIP & MATTRESS DISPOSAL FEES	369934.44
EFT62713	26/04/2018	STATEWIDE BEARINGS	PLANT / VEHICLE PARTS	260.41
EFT62714	26/04/2018	RAECO	STATIONERY / OFFICE SUPPLIES	410.49
EFT62715	26/04/2018	MCINTOSH & SON	PLANT / VEHICLE PARTS	82.12
EFT62716	26/04/2018	SUNNY INDUSTRIAL BRUSHWARE	PLANT / VEHICLE PARTS	819.50

Chq/EFT	Date	Name	Description	Amount
EFT62717	26/04/2018	SONIC HEALTHPLUS (KINETIC HEALTH GROUP LTD)	PREPLACEMENT MEDICALS / BASELINE HEARING TESTS	2227.50
EFT62718	26/04/2018	CLEAN CLOTH COTTON TRADERS	PROTECTIVE SUPPLIES	240.70
EFT62719	26/04/2018	SYNERGY	POWER CHARGES	4282.45
EFT62720	26/04/2018	ACTIMED AUSTRALIA PTY LTD	MEDICAL SUPPLIES FOR PODIATRIST	24.75
EFT62721	26/04/2018	KENYON & COMPANY PTY LTD	PLANT / VEHICLE PARTS	682.00
EFT62722	26/04/2018	WESTBOOKS	LIBRARY SUPPLIES	617.12
EFT62723	26/04/2018	WA LIMESTONE COMPANY	ROAD MATERIALS FOR VARIOUS LOCATIONS	635.78
EFT62724	26/04/2018	WINC AUSTRALIA PTY LTD	STATIONERY / OFFICE SUPPLIES	2061.19
EFT62725	26/04/2018	FULTON HOGAN INDUSTRIES PTY LTD	ROAD MATERIALS FOR VARIOUS LOCATIONS	411.57
EFT62726	26/04/2018	JOHN GIARDINA	COUNCILLOR ALLOWANCE - 01/04/18 - 30/04/18	8093.17
EFT62727	26/04/2018	GEOFF STALLARD	COUNCILLOR ALLOWANCE - 01/04/18 - 30/04/18	2212.51
EFT62728	26/04/2018	IT VISION AUSTRALIA PTY LTD	IT VISION ALTUS DEVELOPMENT & TECHNICAL MANAGED SERVICES FOR 1 YEAR & CONFLUENCE USER LICENSES FOR MARCH 2018	55077.00
EFT62729	26/04/2018	BUCHER MUNICIPAL PTY LTD	PLANT / VEHICLE PARTS	612.54
EFT62730	26/04/2018	BRIDGESTONE AUSTRALIA LTD	PLANT / VEHICLE PARTS	370.50
EFT62731	26/04/2018	WORK CLOBBER (MIDLAND)	PROTECTIVE CLOTHING SUPPLIES	232.20
EFT62732	26/04/2018	ARRB TRANSPORT RESEARCH LTD	FALLING WEIGHT DEFLECTOR DATA COLLECTION AND TRAFFIC CONTROL FOR HALE ROAD	7243.50
EFT62733	26/04/2018	J BLACKWOOD & SON LIMITED	PROTECTIVE WEAR / SUPPLIES	2651.61
EFT62734	26/04/2018	MIRCO BROS PTY LTD	PLANT / GARDEN SUPPLIES	3908.00
EFT62735	26/04/2018	CAT WELFARE SOCIETY INC	CAT HAVEN REHOMING OF UNCLAIMED CATS FROM THE CITYS POUND	44.00
EFT62736	26/04/2018	AUSTRALIAN LIBRARY AND INFORMATION ASSOCIATION	SUPPLIES FOR KALAMUNDA LIBRARY	114.00
EFT62737	26/04/2018	MARTIN'S TRAILER PARTS	PLANT / VEHICLE PARTS	364.70
EFT62738	26/04/2018	LANDMARK OPERATIONS LTD	CHEMICALS & SUPPLIES	1561.56
EFT62739	26/04/2018	WA & J KING PTY LTD	GARDEN SUPPLIES FOR VARIOUS LOCATIONS	1294.00

Chq/EFT	Date	Name	Description	Amount
EFT62740	26/04/2018	BENTLEY SYSTEMS INTERNATIONAL LTD	MICROSTATION SELECT SUBSCRIPTION 01/01/18 TO 31/12/18	1576.00
EFT62741	26/04/2018	TOTAL PACKAGING (WA) PTY LTD	SUPPLY OF DOG LITTER BAGS	858.00
EFT62742	26/04/2018	AABEL LINE MARKING	LINE MARKING FOR VARIOUS LOCATIONS	3576.32
EFT62743	26/04/2018	WA HINO SALES & SERVICE	PLANT / VEHICLE PARTS	625.88
EFT62744	26/04/2018	DEPARTMENT OF FIRE AND EMERGENCY SERVICES (DFES)	50% COST SHARING FOR THE COMMUNITY FIRE MANAGER FOR THE PERIOD 29/12/17 O 29/03/18 AS PER THE MOU BETWEEN DFES AND THE CITY ENVIRONMENTAL PLANNING STRATEGY REVIEW - INDEPENDENT REVIEW	20506.69
EFT62745	26/04/2018	GHD PTY LTD	ENVIRONMENTAL PLANNING STRATEGY REVIEW - INDEPENDENT REVIEW	2689.50
EFT62746	26/04/2018	ACCESS ICON PTY LTD T/A CASCADA	DRAINAGE SUPPLIES FOR VARIOUS LOCATIONS	20491.33
EFT62747	26/04/2018	CABCAR PTY LTD	SUPPLY, REPAIRS AND INSTALLATIONS OF U.H.F. RADIOS, AND PHONES	1439.00
EFT62748	26/04/2018	ORBIT HEALTH & FITNESS SOLUTIONS	GYM EQUIPMENT SUPPLIES	285.78
EFT62749	26/04/2018	B & J CATALANO PTY LTD	ROAD MATERIALS FOR VARIOUS LOCATIONS	19821.68
EFT62750	26/04/2018	PARKS AND LEISURE AUSTRALIA	PARKS & LEISURE AUSTRALIA CORPORATION 2 MEMBERSHIP FEES	665.50
EFT62751	26/04/2018	ANALYTICAL REFERENCE LABORATORY	ASBESTOS SAMPLE ANALYSIS	60.50
EFT62752	26/04/2018	LIFTING BY DESIGN PTY LTD	PLANT / VEHICLE PARTS	748.00
EFT62753	26/04/2018	QUICK CORPORATE AUST PTY LTD	STATIONERY & OFFICE SUPPLIES	2672.93
EFT62754	26/04/2018	WREN OIL	WASTE OIL RECYCLING - DISPOSAL FEES	16.50
EFT62755	26/04/2018	BROOKE O'DONNELL	COUNCILLOR ALLOWANCE - 01/04/18 - 30/04/18	2212.51
EFT62756	26/04/2018	SAI GLOBAL LTD	SUPPLY OF AUSTRALIAN STANDARDS	122.00
EFT62757	26/04/2018	REPEAT PLASTICS (WA)	SUPPLIES OF RECYCLED PLASTIC PRODUCTS	1102.48
EFT62758	26/04/2018	MICHAEL ANDREW FERNIE	COUNCILLOR ALLOWANCE - 01/04/18 - 30/04/18	2212.51
EFT62759	26/04/2018	COCA-COLA AMATIL (AUST) PTY LTD	KIOSK SUPPLIES FOR HARTFIELD RECREATION CENTRE	366.60
EFT62760	26/04/2018	KENNARDS HIRE	EQUIPMENT HIRE	1415.00
EFT62761	26/04/2018	G FORCE PRINTING	SUPPLY OF PRINTED STATIONERY STOCK	1702.25

Chq/EFT	Date	Name	Description	Amount
EFT62762	26/04/2018	T-QUIP	PLANT / VEHICLE PARTS	882.55
EFT62763	26/04/2018	HOSECO	PLANT / VEHICLE PARTS	293.62
EFT62764	26/04/2018	SWAN TOWING SERVICE PTY LTD	TOWING SERVICES	330.00
EFT62765	26/04/2018	HYDROQUIP PUMPS	SUPPLY OF RETICULATION PARTS	1188.00
EFT62766	26/04/2018	ACROMAT	GYM EQUIPMENT SUPPLIES	1386.00
EFT62767	26/04/2018	DIRECT TRADES SUPPLY PTY LTD	HARDWARE SUPPLIES	802.80
EFT62768	26/04/2018	TAYLOR BURRELL BARNETT	INDUSTRIAL DEVELOPMENT STRATEGY - GAP ANALYSIS AND MAPPING	11198.00
EFT62769	26/04/2018	MARGARET THOMAS	COUNCILLOR ALLOWANCE - 01/04/18 - 30/04/18	2212.51
EFT62770	26/04/2018	MIDLAND CAMERA HOUSE	SUPPLY OF 2 X NIKON LASER FORRESTRY PRO RANGEFINDER FOR SENIOR FIRE MITIGATION OFFICER AND FIRE MITIGATION OFFICERS	1000.00
EFT62771	26/04/2018	OFFICEWORKS SUPERSTORES PTY LTD	OFFICE SUPPLIES / STATIONERY	566.84
EFT62772	26/04/2018	SARA LOHMEYER	COUNCILLOR ALLOWANCE - 01/04/18 - 30/04/18	2212.51
EFT62773	26/04/2018	MAYDAY EARTHMOVING	PLANT AND EQUIPMENT HIRE	8800.00
EFT62774	26/04/2018	BGC CEMENT BAGGED PRODUCTS	ROAD MATERIALS SUPPLIES	1612.24
EFT62775	26/04/2018	INSIGHT CCS PTY LTD	AFTER HOURS ANSWERING SERVICES FOR FEBRUARY 2018	1279.14
EFT62776	26/04/2018	ELECTRICITY NETWORKS CORP T/A WESTERN POWER	DESIGN FEE FOR CANNING & CANNING MILLS ROADS	495.00
EFT62777	26/04/2018	WEBSITE WEED & PEST PTY LTD	WEED CONTROL AT VARIOUS LOCATIONS	6907.56
EFT62778	26/04/2018	JOMAR CONTRACTING	SUPPLY & INSTALL HANDRAILS AT KAOLUNGA WAY	3415.50
EFT62779	26/04/2018	BOYA EQUIPMENT PTY LTD	PLANT / VEHICLE PARTS	259.71
EFT62780	26/04/2018	U-MOVE AUSTRALIA	CONTAINER HIRE FEES FOR 15 MARCH 2018 TO 14 MARCH 2019	3613.50
EFT62781	26/04/2018	WOOD & GRIEVE ENGINEERS LTD	MUNDARING WEIR RD DESIGN, SURVEY AND DOCUMENTATION	17360.75
EFT62782	26/04/2018	DAVID K ALMOND	COUNCILLOR ALLOWANCE - 01/04/18 - 30/04/18	2212.51
EFT62783	26/04/2018	APOLLO FABRICATIONS	FABRICATION AND SUPPLY OF TWO 30M3 HOOKLIFT BINS AND REPAIRS TO VARIOUS BINS	14646.50

Chq/EFT	Date	Name	Description	Amount
EFT62784	26/04/2018	LOCHNESS LANDSCAPE SERVICES	MOWING OF VARIOUS RESERVES	8369.19
EFT62785	26/04/2018	DYLAN O'CONNOR	COUNCILLOR ALLOWANCE - 01/04/18 - 30/04/18	3519.34
EFT62786	26/04/2018	CONTRAFLOW	TRAFFIC MANAGEMENT FOR VARIOUS LOCATIONS	26771.41
EFT62787	26/04/2018	CEDAR WEST	FOOTPATH DEPOSIT REFUND	750.00
EFT62788	26/04/2018	DELL AUSTRALIA	COMPUTER PARTS / ACCESSORY SUPPLIES	12809.50
EFT62789	26/04/2018	CENTURION TEMPORARY FENCING	TEMPORARY FENCING HIRE	1148.13
EFT62790	26/04/2018	ACCESS OFFICE INDUSTRIES	LIBRARY SUPPLIES	1914.44
EFT62791	26/04/2018	3E CONSULTING ENGINEERS	ELECTRICAL ENGINEERING DESIGN & DOCUMENTATION SERVICES FOR ASHBY CLOSE & SULTANA ROAD HIGH WYCOMBE	880.00
EFT62792	26/04/2018	MCLERNONS MEANS BUSINESS	SUPPLY OF OFFICE FURNITURE AND EQUIPMENT FOR VARIOUS LOCATIONS	1887.00
EFT62793	26/04/2018	ADH GOLF & UTILITY VEHICLES	HIRE OF UTILITY VEHICLE FOR CORYMBIA MULTICULTURAL FESTIVAL 2018	451.00
EFT62794	26/04/2018	REMONDIS AUSTRALIA PTY LTD	COLLECTION AND RECYCLING OF CARDBOARD	3160.56
EFT62795	26/04/2018	ASPHALTECH PTY LTD	ROAD MATERIALS FOR CANNING ROAD	20981.40
EFT62796	26/04/2018	DAIMLER TRUCKS PERTH	PLANT / VEHICLE PARTS	1487.82
EFT62797	26/04/2018	DATATEL COMMUNICATIONS PTY LTD T/A ETTIS	ANNUAL TAGGING AND TESTING OF ELECTRICAL APPLIANCES AT FORRESTFIELD LIBRARY	210.21
EFT62798	26/04/2018	TRACY L DESTREE-THOMPSON	COUNCILLOR ALLOWANCE - 01/04/18 - 30/04/18	2212.51
EFT62799	26/04/2018	ECOADVANCE	AUDIT OF 62 NON-CONTESTABLE ACCOUNTS ESTIMATED HOURS 40 @ \$125 PER HOUR - 40% PAYMENT OF WORK COMPLETED	2200.00
EFT62800	26/04/2018	CAMERON BLAIR	COUNCILLOR ALLOWANCE - 01/04/18 - 30/04/18	2212.51
EFT62801	26/04/2018	URBIS PTY LTD	PROGRESS PAYMENT - PA1490 - KALAMUNDA ACTIVITY CENTRE PLAN	7700.00
EFT62802	26/04/2018	TALIS CONSULTANTS PTY LTD ATF TALIS UNIT TRUST	CONSULTING SERVICES FOR 2019/20 MARP GRANT APPLICATION	5401.00
EFT62803	26/04/2018	EARTH WORM ORGANICS PTY LTD T/ASWORM AFFAIR	SUPPLY OF WORM FARMS AND COMPOST BINS	116.60

Chq/EFT	Date	Name	Description	Amount
EFT62804	26/04/2018	SUEZ RECYCLING & RECOVERY (PERTH) PTY LTD	BULK BIN SERVICES FOR GREEN AND MIXED WASTE COLLECTIONS AND DISPOSAL	1158.64
EFT62805	26/04/2018	INTEGRATED RECORDS MANAGEMENT	MONTHLY OFFSITE STORAGE FEES - MARCH 2018	568.43
EFT62806	26/04/2018	DAYTONE PRINTING PTY LTD	PRINTING OF BROCHURES / INVITES FOR VARIOUS LOCATIONS	176.00
EFT62807	26/04/2018	CREATIVE DESIGN & PLANNING	PROGRESS PAYMENT - HEIDELBERG PARK - CONCEPT DESIGN AND INFRASTRUCTURE AND SERVICING INVESTIGATION	7106.00
EFT62808	26/04/2018	J. PRESTIPINO BUILDING DESIGNS PTY LTD	BUS STOP RENEWAL AND INSTALLATION AT VARIOUS LOCATIONS	4482.50
EFT62809	26/04/2018	LANDCARE WEED CONTROL	SPRING WEED CONTROL AT SMOKEBUSH PLACE	1161.38
EFT62810	26/04/2018	THE LINEN PRESS	MERCHANDISE SUPPLIES FOR RESALE AT THE ZIG ZAG CULTURAL CENTRE	121.00
EFT62811	26/04/2018	BLUE STEEL ENTERPRISES PTY LTD T/A FRONTLINE FIRE & RESCUE EQUIPMENT	MAINTENANCE OF FIRE AND RESCUE EQUIPMENT	5647.91
EFT62812	26/04/2018	INSTANT WASTE MANAGEMENT	WASTE TRANSPORTATION SERVICES, HOOK LIFT BINS	18370.00
EFT62813	26/04/2018	BLUE FORCE PTY LTD	SUPPLY / INSTALLATION & MAINTAINENCE OF SECURITY SERVICES	194.70
EFT62814	26/04/2018	FORTH CONSULTING PTY LTD	FEE PROPOSAL FOR FUSC SIGNAGE AS PER SKOPE OF WORKS, REVIEW OF THE EXISTING STRUCTURE TO TAKE NEW SIGN, ISSUE OF SKETCHES, PROVIDE STRUCTURAL CERTIFICATION, REVIEW OF SIGNAGE PROPOSAL AND CONNECTIONS	1100.00
EFT62815	26/04/2018	GLOBAL SPILL CONTROL PTY LTD	SUPPLY OF FUEL SPILL CONTROL PRODUCTS	217.80
EFT62816	26/04/2018	WESTERN TREE RECYCLERS	RESOURCE RECOVERY FACILITY - PROVISION OF GREEN WASTE PROCESSING SERVICES	10296.00
EFT62817	26/04/2018	CORSIGN WA PTY LTD	SUPPLIES OF SIGNAGE AND RELATED EQUIPMENT	2988.70
EFT62818	26/04/2018	VIZSTONE	REPLACEMENT STANDING ORDER FOR MANAGE ENGINE 2017/2018 - APRIL 2018	2689.50

Chq/EFT	Date	Name	Description	Amount
EFT62819	26/04/2018	HORIZON WEST LANDSCAPE & IRRIGATION PTY LTD	BIBBULMUN TRACK MAINTENANCE WORKS	968.00
EFT62820	26/04/2018	LEARNING DISCOVERY AS TRUSTEE FOR ENCORE DISCRETIONARY TRUST	LIBRARY SUPPLIES FOR KALAMUNDA LIBRARY	400.00
EFT62821	26/04/2018	ABLE WESTCHEM	SUPPLY OF FRESH CLEANER	196.38
EFT62822	26/04/2018	TENDERLINK.COM	TENDERLINK SAAS SERVICE - 6 PUBLIC TENDERS	825.00
EFT62823	26/04/2018	AQUATIC SERVICES WA PTY LTD	SERVICE WORK AT THE TODDLERS POOL	2464.00
EFT62824	26/04/2018	GYMMASTER SOFTWARE - TRESHNA ENTERPRISES LTD	STUDIO PACKAGE X 1 MONTH FOR THE HIGH WYCOMBE COMMUNITY AND RECREATION CENTRE.	80.00
EFT62825	26/04/2018	BUZZ ENTERPRISES PTY LTD T/A SIFTING SANDS	SUPPLY OF SAND TO VARIOUS LOCATIONS	1463.00
EFT62826	26/04/2018	BITUTEK PTY LTD	SUPPLY AND LAY FOR RESEAL WORKS FOR CANNING ROAD, CANNING MILLS	31253.41
EFT62827	26/04/2018	HEWSHOTT INTERNATIONAL	DEVELOPMENT OF THE BRIEFING PHASE OF THE AV SOLUTION FOR COUNCIL CHAMBERS	4598.00
EFT62828	26/04/2018	FOCUS AUDIOVISUAL PTY LTD	SUPPLY AND INSTALL NEW HDMI AND VGA OVER ETHERNET EXTENSION DEVICE, TEST AND COMMISSION - ZIG ZAG SEMINAR ROOM	1313.40
72213	04/04/2018	HOSPITAL BENEFIT FUND OF WA	PAYROLL DEDUCTIONS	178.10
72214	04/04/2018	AUSTRALIAN SERVICES UNION	PAYROLL DEDUCTIONS	109.80
72215	04/04/2018	MUNICIPAL EMPLOYEES UNION	PAYROLL DEDUCTIONS	748.26
72216	04/04/2018	TELSTRA CORPORATION	TELEPHONE EXPENSES	8691.95
72217	04/04/2018	WATER CORPORATION	WATER USE AND SERVICE CHARGE FEES	9748.25
72218	04/04/2018	BUILDING COMMISSION	BUILDING LEVY - MARCH 2018	8031.69
72219	04/04/2018	CASH - KALAMUNDA LIBRARY	PETTY CASH REIMBURSEMENT	175.15
72220	04/04/2018	CASH - FORRESTFIELD LIBRARY	PETTY CASH REIMBURSEMENT	187.98
72221	04/04/2018	CASH - HARTFIELD PARK	PETTY CASH REIMBURSEMENT	99.80
72222	11/04/2018	WATER CORPORATION	WATER USE AND SERVICE CHARGE FEES	4236.10
72223	18/04/2018	HOSPITAL BENEFIT FUND OF WA	PAYROLL DEDUCTIONS	178.10
72224	18/04/2018	AUSTRALIAN SERVICES UNION	PAYROLL DEDUCTIONS	109.80

Chq/EFT	Date	Name	Description	Amount
72225	18/04/2018	MUNICIPAL EMPLOYEES UNION	PAYROLL DEDUCTIONS	748.26
72226	18/04/2018	TELSTRA CORPORATION	TELEPHONE EXPENSES	22752.09
72227	18/04/2018	WATER CORPORATION	WATER USE AND SERVICE CHARGE FEES	3020.37
72228	18/04/2018	BCITF	LEVY FEE - MARCH 2018	9265.78
72229	18/04/2018	CASH - ADMIN	PETTY CASH REIMBURSEMENT	547.82
72230	18/04/2018	CASH - KALAMUNDA LIBRARY	PETTY CASH REIMBURSEMENT	186.38
72231	18/04/2018	CASH - HARTFIELD PARK	PETTY CASH REIMBURSEMENT	78.48
DD38481.1	03/04/2018	WA LOCAL GOVERNMENT SUPERANNUATION PLAN	SUPERANNUATION CONTRIBUTIONS	97099.17
DD38481.2	03/04/2018	ANZ SUPER ADVANTAGE	SUPERANNUATION CONTRIBUTIONS	275.97
DD38481.3	03/04/2018	BENDIGO SMART START PERSONAL SUPER	SUPERANNUATION CONTRIBUTIONS	296.80
DD38481.4	03/04/2018	ESSENTIAL SUPER	SUPERANNUATION CONTRIBUTIONS	266.63
DD38481.5	03/04/2018	ANZ SMART CHOICE SUPER	SUPERANNUATION CONTRIBUTIONS	156.01
DD38481.6	03/04/2018	HESTA SUPER FUND	SUPERANNUATION CONTRIBUTIONS	225.13
DD38481.7	03/04/2018	IOOF PORTFOLIO SERVICE PERSONAL SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS	117.13
DD38481.8	03/04/2018	AUSTRALIAN CATHOLIC SUPERANNUATION & RETIREMENT FUND (ACSRF)	SUPERANNUATION CONTRIBUTIONS	271.25
DD38481.9	03/04/2018	POWERWRAP MASTER PLAN	SUPERANNUATION CONTRIBUTIONS	223.97
DD38589.1	17/04/2018	WA LOCAL GOVERNMENT SUPERANNUATION PLAN	SUPERANNUATION CONTRIBUTIONS	101392.19
DD38589.2	17/04/2018	ANZ SUPER ADVANTAGE	SUPERANNUATION CONTRIBUTIONS	275.97
DD38589.3	17/04/2018	BENDIGO SMART START PERSONAL SUPER	SUPERANNUATION CONTRIBUTIONS	296.80
DD38589.4	17/04/2018	ESSENTIAL SUPER	SUPERANNUATION CONTRIBUTIONS	266.63
DD38589.5	17/04/2018	ANZ SMART CHOICE SUPER	SUPERANNUATION CONTRIBUTIONS	199.96
DD38589.6	17/04/2018	MLC MASTERKEY SUPER GOLD STAR VERSION ACCOUNT	SUPERANNUATION CONTRIBUTIONS	404.44
DD38589.7	17/04/2018	HESTA SUPER FUND	SUPERANNUATION CONTRIBUTIONS	216.53

Chq/EFT	Date	Name	Description	Amount
DD38589.8	17/04/2018	IOOF PORTFOLIO SERVICE PERSONAL SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS	214.46
DD38589.9	17/04/2018	AUSTRALIAN CATHOLIC SUPERANNUATION & RETIREMENT FUND (ACSRF)	SUPERANNUATION CONTRIBUTIONS	271.25
DD38481.10	03/04/2018	REI SUPER	SUPERANNUATION CONTRIBUTIONS	236.67
DD38481.11	03/04/2018	VISION SUPER PTY LTD	SUPERANNUATION CONTRIBUTIONS	319.66
DD38481.12	03/04/2018	PETER TUCATS SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS	950.65
DD38481.13	03/04/2018	ONEPATH MASTERFUND	SUPERANNUATION CONTRIBUTIONS	240.77
DD38481.14	03/04/2018	THE TRUSTEE FOR DK ALWAYS SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS	500.53
DD38481.15	03/04/2018	UNISUPER	SUPERANNUATION CONTRIBUTIONS	72.90
DD38481.16	03/04/2018	KINETIC SUPERANNUATION LTD	SUPERANNUATION CONTRIBUTIONS	221.31
DD38481.17	03/04/2018	MLC MASTERKEY SUPER GOLD STAR VERSION ACCOUNT	SUPERANNUATION CONTRIBUTIONS	345.06
DD38481.18	03/04/2018	TWU SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS	234.51
DD38481.19	03/04/2018	CBUS SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS	229.69
DD38481.20	03/04/2018	BWMT SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS	183.99
DD38481.21	03/04/2018	REST SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS	1367.30
DD38481.22	03/04/2018	BT SUPER FOR LIFE	SUPERANNUATION CONTRIBUTIONS	853.56
DD38481.23	03/04/2018	COLONIAL 1ST STATE SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS	538.60
DD38481.24	03/04/2018	AUSTRALIAN SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS	4051.38
DD38481.25	03/04/2018	CARE SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS	108.50
DD38481.26	03/04/2018	HOSTPLUS PTY LTD	SUPERANNUATION CONTRIBUTIONS	904.59
DD38481.27	03/04/2018	AMPLIFE LIMITED	SUPERANNUATION CONTRIBUTIONS	663.87
DD38589.10	17/04/2018	AMP SUPER	SUPERANNUATION CONTRIBUTIONS	65.68
DD38589.11	17/04/2018	POWERWRAP MASTER PLAN	SUPERANNUATION CONTRIBUTIONS	172.92
DD38589.12	17/04/2018	PETER TUCATS SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS	950.65
DD38589.13	17/04/2018	REI SUPER	SUPERANNUATION CONTRIBUTIONS	236.67
DD38589.14	17/04/2018	VISION SUPER PTY LTD	SUPERANNUATION CONTRIBUTIONS	310.46

Chq/EFT	Date	Name	Description	Amount
DD38589.15	17/04/2018	ONEPATH MASTERFUND	SUPERANNUATION CONTRIBUTIONS	240.77
DD38589.16	17/04/2018	THE TRUSTEE FOR DK ALWAYS SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS	500.53
DD38589.17	17/04/2018	UNISUPER	SUPERANNUATION CONTRIBUTIONS	81.18
DD38589.18	17/04/2018	KINETIC SUPERANNUATION LTD	SUPERANNUATION CONTRIBUTIONS	222.74
DD38589.19	17/04/2018	TWU SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS	235.68
DD38589.20	17/04/2018	CBUS SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS	229.57
DD38589.21	17/04/2018	BWMT SUPERANNUATION FUND	SUPERANNUATION CONTRIBUTIONS	219.13
DD38589.22	17/04/2018	REST SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS	1426.97
DD38589.23	17/04/2018	COLONIAL 1ST STATE SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS	538.60
DD38589.24	17/04/2018	BT SUPER FOR LIFE	SUPERANNUATION CONTRIBUTIONS	853.56
DD38589.25	17/04/2018	AUSTRALIAN SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS	4432.87
DD38589.26	17/04/2018	CARE SUPERANNUATION	SUPERANNUATION CONTRIBUTIONS	1429.51
DD38589.27	17/04/2018	HOSTPLUS PTY LTD	SUPERANNUATION CONTRIBUTIONS	935.69
DD38589.28	17/04/2018	AMPLIFE LIMITED	SUPERANNUATION CONTRIBUTIONS	862.26
				4294933.50
<u>City of Kalamunda Payroll</u>				
F804048249229	06/04/2018	CITY OF KALAMUNDA PAYROLL	VARIOUS AWARDS TO 6 APRIL 2018	\$569,888.20
F804188953567	17/04/2018	CITY OF KALAMUNDA PAYROLL	VARIOUS AWARDS TO 17 APRIL 2018	\$607,598.23
				\$1,177,486.43

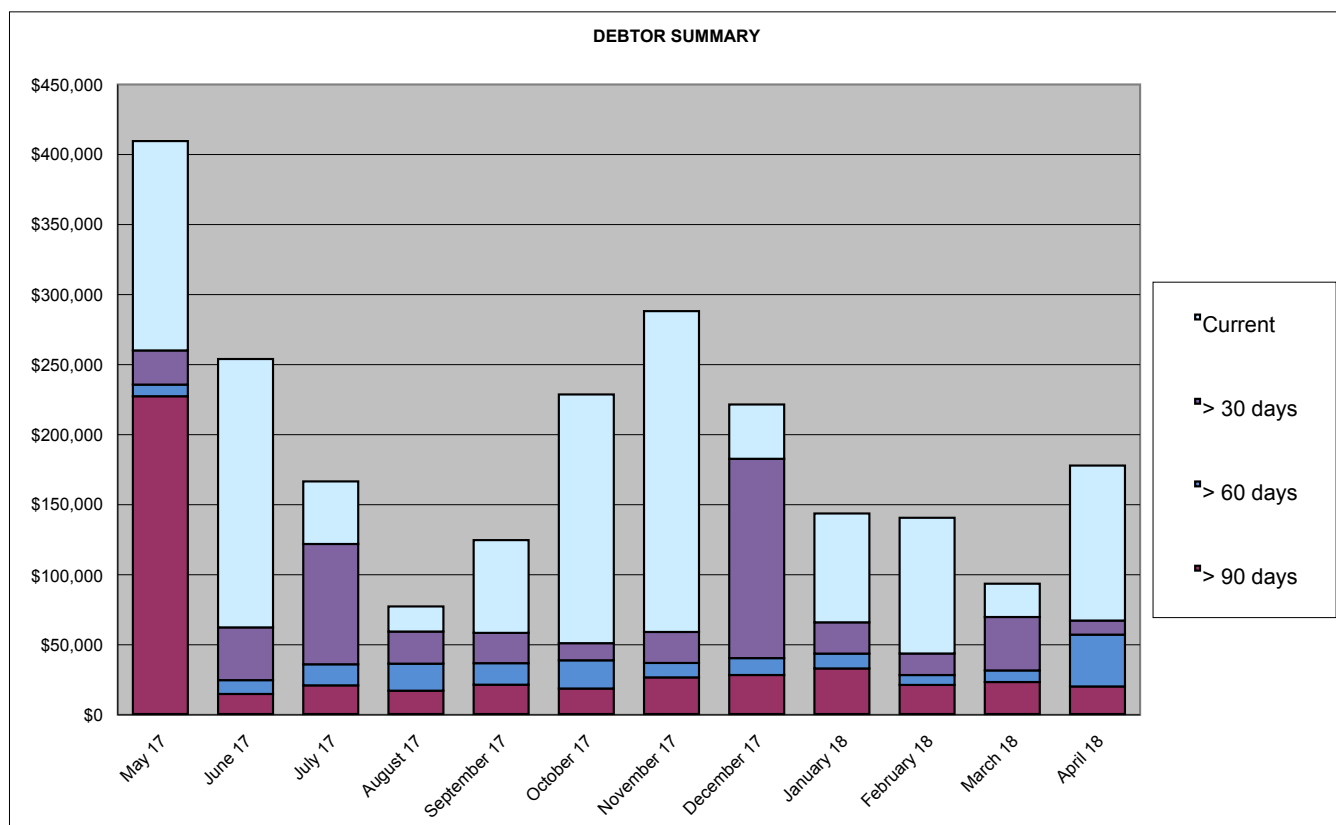
CITY OF KALAMUNDA

SUMMARY OF DEBTORS

FOR THE PERIOD ENDED 30th April 2018

Sundry Debtors Trial Balance - Summary Aged Listing

	> 90 days	> 60 days	> 30 days	Current	Total
May 17	\$226,862	\$8,311	\$24,390	\$149,457	\$409,020
June 17	\$14,312	\$9,873	\$37,649	\$191,599	\$253,433
July 17	\$20,461	\$15,044	\$85,877	\$44,673	\$166,056
August 17	\$16,644	\$19,298	\$22,937	\$17,910	\$76,788
September 17	\$20,928	\$15,367	\$21,633	\$66,214	\$124,143
October 17	\$18,194	\$20,151	\$12,226	\$177,561	\$228,132
November 17	\$26,143	\$10,309	\$22,124	\$229,043	\$287,618
December 17	\$27,840	\$12,063	\$142,304	\$38,766	\$220,973
January 18	\$32,525	\$10,603	\$22,322	\$77,713	\$143,163
February 18	\$20,762	\$7,064	\$15,369	\$96,892	\$140,087
March 18	\$22,834	\$8,284	\$38,129	\$23,773	\$93,020
April 18	\$19,674	\$36,986	\$10,065	\$110,649	\$177,374



CITY OF KALAMUNDA SUMMARY OF DEBTORS FOR THE PERIOD ENDED 30th April 2018			
AMOUNT	DEBTOR	DETAILS	STATUS
>90 days			
\$12,016.17	Zig Zag Gymnastics	Hall Hire	Cash Flow issues - Owner provided payment schedule - to discuss further with Owner
\$2,515.25	Illuminations Dance Company	Hall Hire	Referred to debt collectors - D&B collecting \$200 weekly
\$1,602.50	Midland Sisdac	Hall Hire	User Group have made contact to discuss.
\$1,133.00	Keith Mortimer	Replacement cost of damaged street tree	Referred to debt collectors - Dun & Bradstreet - Unable to locate - to consider for write-off
\$2,406.63	90+ Days Debts consisting of amounts under \$1,000.00.	12 Debtors - average debt \$200.55	Debtors to be contacted to advise debt recovery action pending / final notices issued / debt with D&B or possible write-off of debt pending
\$19,673.55	Total Debts 90+ Days		
>60 days			
\$17,262.85	Kalamunda Club	Loan Instalment	Statement issued
\$8,411.25	Hartfield Country Club	Lease Fees	Statement issued / copy invoice emailed
\$4,974.07	Prestige Civil Contractors	Bond / Supervision Fee	Statement issued / copy invoice emailed - Debtor advised payment - to verify
\$2,923.14	Zig Zag Gymnastics	Hall Hire	As Above
\$2,447.36	Kalamunda Cricket Club	Electricity Usage	Statement issued / copy invoice emailed
\$967.22	60+ Days Debts consisting of amounts under \$1,000.00.	4 Debtors - average debt \$241.81	All debtors contacted by telephone / email / copy invoices mailed.
\$36,985.89	Total Debts 60+ Days		
>30 days			
\$2,923.14	Zig Zag Gymnastics	Hall Hire	As Above
\$2,031.75	Gregory Case	Fire Breaks	Copy invoice mailed
\$1,206.00	Upper Swan Primary School	History Village - entry fees	Statement issued
\$1,139.00	Kalamunda Cricket Club	Loan 207	Statement issued / copy invoice emailed
\$2,765.34	30+ Days Debts consisting of amounts under \$1,000.00.	10 Debtors - average debt \$276.53	Statements issued
\$10,065.23	Total Debts 30+ Days		
< 30 days			
\$119,147.22	Total of Current Debts		
\$8,498.22	Total of Accounts in Credit		
\$177,373.67	Total - Debtors Trial Balance		
FOOTNOTES * Denotes currently in negotiation of invoice amount and / or details ^ Denotes payment arrangement in place			

CITY OF KALAMUNDA

SUMMARY OF CREDITORS

FOR THE PERIOD ENDED 30 APRIL 2018

Sundry Creditors Trial Balance - Summary Aged Listing

Month End	> 90 days	> 60 days	> 30 days	Current	Total
7/31/2016	\$0	\$4,210	\$762	\$734,480	\$739,452
8/31/2016	\$26,903	\$3,465	\$30,621	\$880,029	\$941,019
9/30/2016	\$715	\$15,405	\$21,130	\$918,399	\$955,649
10/31/2016	\$19,124	\$28,883	\$102,114	\$1,300,775	\$1,450,897
11/30/2016	\$1,002	\$22,106	\$377,933	\$1,377,570	\$1,778,611
12/31/2016	\$253	\$602	\$31,034	\$984,629	\$1,016,519
1/31/2017	\$0	\$12,775	\$66,397	\$790,305	\$869,476
2/28/2017	\$11,534	\$3,793	\$29,759	\$2,985,350	\$3,030,436
3/31/2017	\$932	\$0	\$101,600	\$1,010,758	\$1,113,290
4/30/2017	\$16,344	\$3,345	\$33,404	\$1,495,781	\$1,548,875
5/31/2017	\$8,920	\$12,381	\$47,750	\$2,495,403	\$2,564,454
6/30/2017	\$35,271	\$62,597	\$10,220	\$3,765,703	\$3,873,791
7/31/2017	\$7,214	-\$85	\$2,330	\$928,027	\$937,483
8/31/2017	\$11,870	\$24,652	\$232,335	\$1,318,300	\$1,587,157
9/30/2017	\$3,924	\$48,721	\$21,845	\$613,992	\$688,482
10/31/2017	\$9,241	\$3,450	\$25,817	\$1,182,360	\$1,220,868
11/30/2017	-\$806	\$28,733	\$12,953	\$637,757	\$678,637
12/31/2017	-\$56,248	\$112,765	\$45,257	\$796,722	\$898,496
1/31/2018	\$6,710	\$5,258	\$122,852	\$867,737	\$1,002,558
2/28/2018	\$1,890	\$40,937	\$29,239	\$2,798,433	\$2,870,498
3/31/2018	\$38,065	\$24,067	\$75,776	\$1,590,758	\$1,728,666
4/30/2018	\$39,403	\$23,826	\$306,301	\$1,121,313	\$1,490,842

Comment

- > 90 days Original invoices for YMCA of Perth, Abco Products & Fuji not received in Accounts to process
- > 60 days Original Invoices not received for Peter & Catherine Williams, The Brainary, Cleanaway, Grimes Contracting, Kalam in Accounts for processing
- > 30 days These invoices are paid on the third fortnightly payment run.

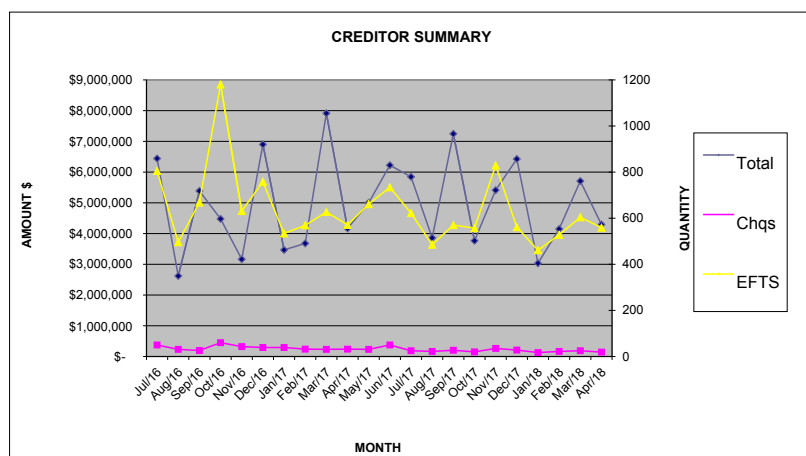
Creditor Payments made

Month	Amount \$	Quantity		
		Cheques	EFTs	Total
Jul-16	\$ 6,442,728	50	805	855
Aug-16	\$ 2,620,389	31	496	527
Sep-16	\$ 5,388,229	26	668	694
Oct-16	\$ 4,478,302	60	1180	1240
Nov-16	\$ 3,164,854	43	631	674
Dec-16	\$ 6,900,947	39	758	797
Jan-17	\$ 3,467,390	39	534	573
Feb-17	\$ 3,680,070	32	569	601
Mar-17	\$ 7,913,224	31	627	658
Apr-17	\$ 4,166,400	32	571	603
May-17	\$ 5,002,758	31	661	692
Jun-17	\$ 6,223,756	50	734	784
Jul-17	\$ 5,846,091	25	622	647
Aug-17	\$ 3,859,524	22	485	507
Sep-17	\$ 7,246,066	27	570	597
Oct-17	\$ 3,766,484	20	557	577
Nov-17	\$ 5,412,342	35	829	864
Dec-17	\$ 6,427,319	28	561	589
Jan-18	\$ 3,034,896	17	461	478
Feb-18	\$ 4,148,129	22	528	550
Mar-18	\$ 5,709,513	25	604	629
Apr-18	\$ 4,294,934	19	559	578

*Excludes net staff payroll

*Creditors on 30 day terms are paid on the 28th of the month following.

*Local suppliers are paid on 14 day terms.



10.1.5. Reserve 27154 - Lot 622 (No. 42) Ledger Road, Gooseberry Hill - Proposed Excision and Easements - Telecommunications Tower

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	SCM 93/2016
Directorate	Corporate Services
Business Unit	Economic, Land & Property Services
File Reference	LD-01/042(RESERVE)
Applicant	Optus Mobile Pty Ltd
Owner	State of Western Australia

Attachments	1. 160718 3986 WAPC APPROVAL [10.1.5.1]
	2. Initial Request [10.1.5.2]
	3. Further Information [10.1.5.3]

EXECUTIVE SUMMARY

1. The purpose of this report is to consider:
 - a) excision of a portion of Reserve 27154, Lot 622 (No. 42) Ledger Road, Gooseberry Hill (the Reserve) for the purposes of a telecommunications tower; and
 - b) access and service infrastructure easements over a portion of the Reserve.
2. At SCM June 2016, Council recommended that an application for the construction of a telecommunications tower on the Reserve be supported by the Western Australian Planning Commission (WAPC) subject to conditions.
3. It is recommended that Council support the proposal for the excision of a portion of the Reserve for the purposes of a telecommunications tower, and access and service infrastructure easements over a portion of the Reserve for the tower, subject to strict conditions that must be followed to the City's satisfaction.

BACKGROUND

4. On 7 June 2016, Council resolved as follows (SCM 93/2016):

That Council:

1. Recommend the Western Australian Planning Commission, in determining the application for a Proposed Telecommunications Infrastructure at Lot 622 (42) Ledger Road, Gooseberry Hill (Ledger Road Reserve), have due regard to the following matters:
 - a) the subject site contains fragments of asbestos and advice should be sought from the Department of Environment Regulation and Department of Health to determine the level of risk.
 - b) the subject site is located within the Middle Helena Catchment Area and advice should be sought from the Department of Water.

- c) notwithstanding the advice provided by the application and the directions set out in State Planning Policy 5.2 with respect the Electro Magnetic Radiation, the community has raised this as an issue.
 - d) the area suffers from poor mobile coverage.
- 2. Advise the Western Australian Planning Commission that if it is minded to approve the proposal, that the following conditions be imposed:
 - a) the development shall be carried out only in accordance with the terms of the development applications and any associated plans.
 - b) prior to commencement of site works an Environmental Management Plan, including detailed site survey, addressing construction and operational impacts of the development is to be approved by the Shire of Kalamunda on advice from the Department of Health, Department of Water and Department of Environmental Regulation. The Environmental Management Plan shall include, but not be limited to matters related to vegetation clearing, vehicle access, revegetation and potential asbestos hazards.
 - c) the applicant to provide an Asbestos Management Plan in accordance with the requirements of the Department of Environment Regulation.
 - d) no building materials, rubbish or other matter shall be deposited on the reserve after construction of the development.
- 3. Subject to the application being to the satisfaction of the government departments, with respect to part 1 of this recommendation, and the conditions in part 2 being applied, the Shire has no objection to this application.

The Shire forward the following documents to the Western Australian Planning Commission:

- a) a copy of all submissions;
 - b) a copy of the Shire's Biodiversity Strategy; and
 - c) a copy of the current Asbestos Management Plan.
- 4. Requests the Chief Executive Officer to:
 - a) Instruct the recently engaged contractor to immediately inspect and remove, any fragments of Asbestos **& all surface contaminants** from all tracks within the Ledger Reserve.
 - b) Ensure a contractor will be engaged to bi-annually inspect and remove, any fragments that may have appeared since and were not visible on previous inspections.
 - c) Immediately engage a consultant to revise and review the Shire's Asbestos Management Plan for Ledger Reserve Gooseberry Hill.
 - d) Erect appropriate signage on the site to alert any users of the reserve to the presence of Asbestos on the site.

- e) Ensure immediate action is taken to complete the covering of the areas of heavy concentrations in accordance with the Asbestos Management Plan.
- 5. Allocate any necessary additional funds in into 2016/17 budget to undertake immediate actions arising from the revised Asbestos Management Plan.
- 5. The WAPC approved the proposed telecommunications tower, subject to conditions. A copy of the WAPC planning approval is attached to this report as Attachment 1.

DETAILS

- 6. On 27 October 2017, Property Logistics (on behalf of Optus Mobile Pty Ltd (Optus)) wrote to the City requesting that the City approve:
 - a) the excision of a portion of the Reserve for the purposes of a telecommunications tower; and
 - b) access and service infrastructure easements over a portion of the Reserve.

A copy of the correspondence from Property Logistics is attached to this report as Attachment 2.

- 7. Following consideration of the proposal by relevant internal business units, the City wrote to Property Logistics on 22 February 2018 requesting further information.
- 8. Property Logistics provided further information to the City on 13 March 2018. A copy of the further information provided by Property Logistics is attached to this report as Attachment 3.

STATUTORY AND LEGAL CONSIDERATIONS

- 9. Section 51 of the *Land Administration Act 1997* (WA) (LAA) states as follows:

51. Cancelling, changing etc. reserves, Minister's powers as to

Subject to sections 42, 43 and 45, the Minister may by order cancel, change the purpose of or amend the boundaries of, or the locations or lots comprising, a reserve.

Sections 42, 43 and 45 of the LAA do not apply to the Reserve.

POLICY CONSIDERATIONS

- 10. The City's Asset Management Council Policy (C-AS-01) requires that:
 - a) All relevant legislation, regulatory and mandatory requirements together with political, social, environmental and economic perspectives are to be taken into account in strategic asset management.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

11. Approval Services has no objection, from a planning perspective, to the proposed excision. The WAPC approval establishes that the use of the site for telecommunications is permitted. Approval Services has no objection to the proposed easements, as the easement locations are generally consistent with the approved development application. If the proposal proceeds, Approval Services requires the applicant to enter into a legal agreement with the City in which it:
 - a) indemnifies the City from loss or damage coming out of construction or use of the easement;
 - b) agrees to take out and maintain public liability insurance; and
 - c) agrees to maintain the easement at its cost to the City's satisfaction.
12. Strategic Planning advise that there are no objections to the excision and easements from a Strategic Planning perspective, given the tower has been approved by the WAPC. As the site is identified as being contaminated and is located adjacent to Gooseberry Hill Primary School, Strategic Planning believe that Health Services and Approval Services are best placed to provide comments on the appropriate location of the excision and easements in response to those factors.
13. Development Engineering require the following conditions to be imposed on any approval:
 - a) the 3.5 metre wide easement within the driveway needs to be justified with a cross section for depth, angle of repose of filling material and cover. The easement is to be designed, constructed, and drained to the satisfaction of the City of Kalamunda;
 - b) the existing driveway/crossover and road furniture on Ledger Road to be reinstated to the City's satisfaction if affected by the construction work; and
 - c) the Applicant is to ensure the identification and protection of any vegetation on the work site worthy of retention, prior to commencement of the works, to the satisfaction of the City of Kalamunda.
14. Asset Management has no objection to the proposed excision and easements. If the proposal proceeds, Asset Management advise that the following conditions should be attached to the City's support:
 - a) all cables to be installed using underground boring. Trenching is not permitted; and
 - b) all City assets to be identified prior to commencement of works and protected during the installation of the underground power and communication cables.

Asset Management notes that the access to this Reserve at the end of the sealed car park has a locked gate on it. Optus or its contractors will need a City key for the construction phase and also for future maintenance access requirements. Asset Management further notes that access to this Reserve is currently closed due to asbestos investigations.

15. Health Services require the following information to be provided prior to any development of the excised portion of land at Ledger Road Reserve:
- a) a site plan showing the exact location of the services and proximity to the central historic landfill/quarry areas; and
 - b) an Environmental & Asbestos Management Plan which includes:
 - i. details of how services are to be installed;
 - ii. equipment and vehicles used;
 - iii. extent of ground works;
 - iv. remediation of the area where services traverse;
 - v. access and egress paths to be used for vehicles – noting this should be contained to the existing fire trails;
 - vi. fill that is to be used and confirmation that it is free of dieback as well as vehicles and equipment;
 - vii. how access will be managed/restricted during works;
 - viii. a task specific Occupational Health & Safety Plan that takes into account risk from asbestos prior to any groundwork;
 - ix. how dust will be minimised and suppressed;
 - x. how personnel and equipment is to be decontaminated where ground disturbing works have occurred;
 - xi. asbestos air monitoring to take place during ground disturbing works;
 - xii. takes into consideration weather conditions and potential for wind to carry dust;
 - xiii. a reporting procedure for any unexpected finds of potentially contaminated materials to the City's Health Services;
 - xiv. a site induction for all personnel onsite regarding conformance with the Environmental & Asbestos Management Plan;
 - xv. if soil is stockpiled onsite how will this be managed;
 - xvi. how and where waste will be disposed of and how will it be removed from the site;
 - xvii. transportation procedures and how potentially contaminated soil spillage will be avoided and dealt with if it occurs;
 - xviii. quantities of potential contaminated soil to be kept in a register and for it to match disposal receipts;
 - xix. an incident management plan including responses to unexpected asbestos findings; and
 - xx. communications plan with a 24-hour contact number going to a real person who will field all community and media enquiries.

In order to assist with the above being completed to the City's satisfaction it is recommended that the contractors be provided with a copy of the City of Kalamunda's Asbestos Management Plan (2017) for the site.

16. Parks & Environmental Services require the following conditions to be imposed on any approval:
- a) the area has an appropriate bushfire asset protection zone around it to reduce any impact from a fire, both in the instance of a wildfire and/or hazard reduction burn;
 - b) show structure bushfire attack level (BAL) rating;
 - c) show proposed firebreaks and annual bushfire mitigation program within the lease/licence area for the tower;

- d) easement route construction specifications, with runoff and maintenance management, locked gate access and dual pedestrian use;
 - e) path for proposed power or other services to the structure to be within and under the easement route;
 - f) footprint for construction works, showing any areas to be cleared, along with the relevant clearing permits. Relocation of the proposal to an already cleared area;
 - g) fenced construction area to limit overspill of materials, earthworks and machinery;
 - h) dieback Management Plan required;
 - i) flora and Fauna Protection Plan required given the high value habitat values of the reserve;
 - j) there are ample opportunities for environmental 'offsets' such as weed control and planting in the Friends Group area, which could balance on short term environmental impacts; and
 - k) provide construction date and contact person to the City's Parks & Environmental Services.
17. Community Development has no objections to the proposal and did not require any conditions to be imposed.
18. Asset Maintenance did not provide any comments.

External Referrals

19. The Lands Division of the Department of Planning, Lands & Heritage (Lands) has advised that it would be supportive of excising the specific area for the telecommunication tower and then issuing a standard telecommunication lease under s. 79 of the *Land Administration Act 1997* (LAA) to Optus.

In addition to this, Lands will need to grant a s. 144 of the LAA "Access" easement over a portion of the Reserve to formalise access to the site. It is Lands' understanding that an easement is also required to house other services such as power. This may be either a separate adjacent easement or ancillary to the access easement – i.e. an "Access & Service Infrastructure" s. 144 LAA easement.

Lands notes that WAPC approval has already been obtained for the development due to the land being zoned under the Metropolitan Region Scheme (MRS).

In order to grant the abovementioned lease and easement, the following information will need to be provided:

- a) consent from the City of Kalamunda:
 - i. to excise portion of the Reserve; and
 - ii. consent to an easement/s burdening portion of the Reserve.
- b) agreement from Optus to the issuing of a direct Lease from Lands under s. 79 of the LAA (with a maximum term of 21 years).
- c) Lands will then seek a valuation for the commercial lease rental value and also for the easement consideration – confirmation as to whether the site will be used to co-locate is required prior to obtaining a valuation.
- d) survey instructions will need to be issued for the preparation of a Crown Subdivision Deposited Plan to subdivide the Reserve and depict the

easement/s. The Applicant is to nominate a surveyor and agree to pay all associated costs including survey preparation, document preparation and lodgement fees, the lease rental and the associated easement/s consideration fees.

Once the aforementioned actions are complete and the relevant Deposited Plan is in order for dealings, Lands will be ready to register the lease and easement/s.

FINANCIAL CONSIDERATIONS

20. Lands Division of the Department of Planning, Lands & Heritage (Lands) requires that the excised portion of the Reserve be managed by the State of Western Australia. Therefore, the State of Western Australia will receive all rental funds from the telecommunications tower.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

21. *Kalamunda Advancing Strategic Community Plan to 2027*

Priority 3: Kalamunda Develops

Objective 3.1 - To plan for sustainable population growth.

Strategy 3.1.1 - Plan for diverse and sustainable housing, community facilities and industrial development to meet changing social and economic needs.

Priority 3: Kalamunda Develops

Objective 3.2 - To connect community to quality amenities.

Strategy 3.2.1 - Optimal management of all assets.

Priority 3: Kalamunda Develops

Objective 3.3 - To develop and enhance the City's economy.

Strategy 3.3.1 - Facilitate and support the success and growth of industry and businesses.

SUSTAINABILITY

Social Implications

22. Some sections of the community are concerned regarding potential health implications associated with exposure to electromagnetic energy (EME) particularly in relation to students attending Gooseberry Hill Primary School. However, it must be noted that the WAPC has already approved the telecommunications tower. This proposal only relates to securing land tenure for the proposed telecommunications tower.
23. The proposal will improve telecommunications for the locality.

Economic Implications

24. Improved telecommunications infrastructure may create opportunities for economic development.

Environmental Implications

25. The site is in an area listed as a contaminated site with known areas of asbestos. Health Services requires the applicant to provide a site plan showing the exact location of the services and proximity to the central historic landfill/quarry areas and an Environmental & Asbestos Management Plan.
26. Parks & Environmental Services have assessed the site and require that conditions be imposed on any approval which relate to a bushfire asset protection zone, structure bushfire attack level (BAL) rating, proposed firebreaks, an annual bushfire mitigation program, easement route specifications, runoff maintenance management, locked gate access, dual pedestrian use, path for proposed services, footprint for construction works, clearing permits, fenced construction area, Dieback Management Plan, Flora and Fauna Protection Plan, environmental 'offsets' and provision of construction date and contact person.

RISK MANAGEMENT CONSIDERATIONS

27.	Risk: The installation of the services for the telecommunications tower causes damage to City assets.		
	Likelihood	Consequence	Rating
	Possible	Moderate	Medium
	Action/Strategy		
	The City to require Optus to identify and protect all City assets prior to construction works. Optus to enter into a legal agreement indemnifying the City from loss or damage coming out of construction or use of the easement.		
	Risk: Risk of asbestos-related disease resulting from exposure to asbestos.		
	Likelihood	Consequence	Rating
	Unlikely	Major	High
	Action/Strategy		
	Optus to provide an Environmental & Asbestos Management Plan to the City prior to any development on the land.		
	Risk: Risk of loss or damage caused by bushfire.		
	Likelihood	Consequence	Rating
	Unlikely	Major	High
	Action/Strategy		
	The City to impose conditions relating to bushfire asset protection zone, structure bushfire attack level (BAL) rating, proposed firebreaks and annual bushfire mitigation program.		

OFFICER COMMENT

28. The site is in an area listed as a contaminated site with known areas of asbestos. It is crucial that the Applicant provide to the City an Environmental & Asbestos Management Plan to ensure that any risks relating to asbestos are being appropriately managed.

29. Parks & Environmental Services have assessed the site. In order to manage the risk relating to bushfires, it is recommended that the City impose conditions relating to a bushfire asset protection zone, structure bushfire attack level (BAL) rating, proposed firebreaks and an annual bushfire mitigation program.
30. In order to ensure that the City's assets are protected, it is recommended that conditions be imposed relating to the identification and protection of all City assets prior to construction works. It is also recommended that the Applicant be required to enter into a legal agreement indemnifying the City from loss or damage coming out of construction or use of the easement, in the event that any City assets are damaged.

Voting Requirements: Simple Majority

RECOMMENDATION

That Council:

1. Support the proposal for the excision of a portion of Reserve 27154, Lot 622 (No. 42) Ledger Road, Gooseberry Hill (the Reserve) for the purposes of a telecommunications tower, and access and service infrastructure easements over a portion of the Reserve for the tower, subject to the following conditions which must be completed to the City's satisfaction:
 - a) Prior to any development on the site, the Applicant must enter into a legal agreement with the City in which it:
 - i. indemnifies the City from any loss or damage arising out of the proposal, including loss or damage coming out of construction or use of the easement;
 - ii. agrees to take out and maintain public liability insurance in respect of the site; and
 - iii. agrees to maintain the easement at its cost to the City's satisfaction.
 - b) The 3.5 metre wide easement within the driveway needs to be justified with a cross section for depth, angle of repose of filling material and cover. The easement is to be designed, constructed, and drained to the satisfaction of the City.
 - c) The existing driveway/crossover and road furniture on Ledger Road to be reinstated to the City's satisfaction if affected by the construction work.
 - d) The Applicant is to ensure the identification and protection of any vegetation on the work site worthy of retention, prior to commencement of the works, to the satisfaction of the City.
 - e) All cables to be installed using underground boring. Trenching is not permitted.
 - f) All City assets to be identified prior to commencement of works and protected during the installation of the underground power and communication cables.
 - g) Prior to any development on the site, the Applicant must provide to the City a site plan showing the exact location of the services and proximity to the central historic landfill/quarry areas.
 - h) Prior to any development on the site, the Applicant must provide to the City an Environmental & Asbestos Management Plan which includes:
 - i. details of how services are to be installed;
 - ii. equipment and vehicles used;
 - iii. extent of ground works;
 - iv. remediation of the area where services traverse;

- v. access and egress paths to be used for vehicles – noting this should be contained to the existing fire trails;
- vi. fill that is to be used and confirmation that it is free of dieback as well as vehicles and equipment;
- vii. how access will be managed/restricted during works;
- viii. a task specific Occupational Health & Safety Plan that takes into account risk from asbestos prior to any groundwork;
- ix. how dust will be minimised and suppressed;
- x. how personnel and equipment is to be decontaminated where ground disturbing works have occurred;
- xi. asbestos air monitoring to take place during ground disturbing works;
- xii. takes into consideration weather conditions and potential for wind to carry dust;
- xiii. a reporting procedure for any unexpected finds of potentially contaminated materials to the City's Health Services;
- xiv. a site induction for all personnel onsite regarding conformance with the Environmental & Asbestos Management Plan;
- xv. if soil is stockpiled onsite how will this be managed;
- xvi. how and where waste will be disposed of and how will it be removed from the site;
- xvii. transportation procedures and how potentially contaminated soil spillage will be avoided and dealt with if it occurs;
- xviii. quantities of potential contaminated soil to be kept in a register and for it to match disposal receipts;
- xix. an incident management plan including responses to unexpected asbestos findings; and
- xx. communications plan with a 24-hour contact number going to a real person who will field all community and media enquiries.

It is recommended that the Applicant obtain a copy of the City's Asbestos Management Plan (2017) for the site to ensure this condition is completed to the City's satisfaction.

- i) Prior to any development on the site, the Applicant must provide documents/plans to the City showing:
 - i. an appropriate bushfire asset protection zone to reduce any impact from a fire, both in the instance of a wildfire and/or hazard reduction burn;
 - ii. the structure bushfire attack level (BAL) rating for the proposed telecommunications tower;
 - iii. proposed firebreaks; and
 - iv. an annual bushfire mitigation program within the lease/licence area for the telecommunications tower.
- j) Prior to any development on the site, the Applicant must provide to the City easement route construction specifications, with runoff and maintenance management, locked gate access and dual pedestrian use.
- k) The path for the proposed power or other services to the structure to be within and under the easement route.
- l) Prior to any development on the site, the Applicant must provide to the City the footprint for construction works, showing any areas to be cleared, along with the relevant clearing permits. The Applicant must use its best endeavours to locate the footprint for construction works in an already cleared area.
- m) The construction area must be fenced to limit overspill of materials, earthworks and machinery.

- n) Prior to any development on the site, the Applicant must provide to the City a Dieback Management Plan.
 - o) Prior to any development on the site, the Applicant must provide to the City a Flora and Fauna Protection Plan.
 - p) Prior to any development on the site, the Applicant must provide construction dates and contact person details to the City's Parks & Environmental Services.
2. Notes that there are ample opportunities for environmental offsets such as weed control and planting in the Friends Group area, which could balance on short term environmental impacts.



Our Ref : 24-1780-4
 Your Ref :
 Enquiries : David Carter (Ph 6551 9280)

Planning Solutions (Aust) Pty Ltd
 Po Box 8701
 PERTH WA 6849

Application for Approval to Commence Development dated 23 March 2016 received 4 May 2016.

Lot Number	: 622
Location	: -
Plan / Diagram	: Deposited Plan 35723
Volume/Folio	: Lr3130/822
Locality	: Ledger Road, Gooseberry Hill
Owner	: Department Of Lands Po Box 1143 WEST PERTH WA 6872

Under the provisions of the Metropolitan Region Scheme this application has been referred for determination by the Western Australian Planning Commission.

The application has now been considered by the Commission and the formal notice setting out the terms of the decision is attached.

A copy of this decision has been forwarded to the Local Government for information.

Should the applicant be aggrieved by this decision there is a right to apply for a review pursuant to the provisions of Section 252 of the *Planning and Development Act 2005*. Such an application for review must be submitted to the State Administrative Tribunal, Level 6, State Administrative Tribunal Building, 565 Hay Street, PERTH WA 6000 in accordance with Part 14 of the *Planning and Development Act 2005*. It is recommended that you contact the State Administrative Tribunal for further details (telephone 9219 3111) or go to its website: <http://www.sat.justice.wa.gov.au>.

ADVICE TO APPLICANT:

1. This decision constitutes planning approval under the Metropolitan Region Scheme only. It is the proponent's responsibility to comply with all other applicable legislation and obtain all required approvals, licences and permits prior to commencement of this development.
2. In regard to Condition 2, the Shire of Kalamunda advises that the Environmental Management Plan is to include, but not be limited to, the following matters:

140 William Street, Perth, Western Australia 6000, Locked Bag 2506 Perth, 6001
 Tel: (08) 6551 9000; Fax: (08) 6551 9001; Infoline: 1800 626 477
 e-mail: corporate@planning.wa.gov.au; web address <http://www.planning.wa.gov.au>
 ABN 35 482 341 493



- vegetation clearing;
 - revegetation;
 - vehicular access; and
 - potential asbestos hazards.
3. In regard to Condition 3, the Department of Water advises that the Water Management Plan should address, where relevant, the following Water Quality Protection Notes (WQPN):
- WQPN 10 - Contaminant spills - emergency response;
 - WQPN 25 - Land use compatibility tables for public drinking water source areas;
 - WQPN 56 - Tanks for elevated chemical storage;
 - WQPN 58 - Tanks for temporary elevated chemical storage;
 - WQPN 60 - Tanks for ground level chemical storage;
 - WQPN 65 - Toxic and hazardous substances - storage and use;
 - WQPN 83 - Infrastructure corridors near sensitive water resources; and
 - Brochure - Construction depots near sensitive water resources.
4. In regard to Condition 4, and in accordance with regulation 31(1)(c) of the *Contaminated Sites Regulations 2006*, a Mandatory Auditor's Report, prepared by an accredited contaminated sites auditor, will need to be submitted to the Department of Environment Regulation as evidence of compliance with Condition 4. A current list of accredited auditors is available from www.der.wa.gov.au.
5. In regard to Condition 6, the Department of Parks and Wildlife advises that the subject land may contain potential breeding, roosting and feeding habitat for Carnaby's cockatoo which is classified as Endangered under the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act), Baudin's cockatoo which is classified as Vulnerable and the red-tailed black cockatoo which is also classified as Vulnerable. If it is likely that the proposed development may result in one or more of the following:
- clearing of any known nesting tree;
 - clearing of any part or degradation of breeding habitat;
 - clearing of more than 1 hectare of quality foraging habitat; or



- clearing or degradation (including pruning the top canopy) of a known roosting site then the proposal should be referred to the Commonwealth for assessment under the EPBC Act as it is likely to significantly impact upon a matter of national environmental significance. The EPBC Act draft referral guidelines for three threatened black cockatoo species: Carnaby's cockatoo (endangered) *Calyptohynchus Latirostris*, Baudin's cockatoo (vulnerable) *Calyptohynchus Baudinii* and forest red-tailed black cockatoo (vulnerable) *Calyptorhynchus Banksii* Naso (Commonwealth of Australia 2011) will provide further information on this requirement.

A handwritten signature in black ink, reading "Kerrine Blenkinsop". The signature is written in a cursive, flowing style.

Kerrine Blenkinsop
Secretary
Western Australian Planning Commission
18 July 2016



Our Ref : 24-1780-4
 Your Ref :
 Enquiries : David Carter (Ph 6551 9280)

METROPOLITAN REGION SCHEME

Shire of Kalamunda

APPROVAL TO COMMENCE DEVELOPMENT

Name and Address of Owner and Land on which Development Proposed:

Owner	:	Department Of Lands Po Box 1143 WEST PERTH WA 6872
Lot Number	:	622
Location	:	-
Plan / Diagram	:	Deposited Plan 35723
Volume/Folio	:	Lr3130/822
Locality	:	Ledger Road, Gooseberry Hill
Application Date	:	23 March 2016
Application Receipt	:	4 May 2016
Development Description	:	Telecommunications Tower, Equipment And Access Track

The application for approval to commence development in accordance with the plans submitted thereto is granted subject to the following condition(s):

CONDITIONS:

1. This approval relates to Drawing Numbers P8311-G1 Rev A, P8311-G2 Rev A, P8311-G3 Rev A, P8311-G4 Rev A and P8311-G5 Rev A received by the Department of Planning on 3 May 2016.
2. Prior to commencement of site works, an Environmental Management Plan, including detailed survey, addressing construction and operational impacts of the development is to be prepared and approved by the Shire of Kalamunda on advice from the Department of Health, Department of Water and Department of Environment Regulation with satisfactory arrangements being made for the implementation of the approved plan.
3. Prior to commencement of ground disturbing activities, a Water Management Plan is to be prepared and approved to the specifications of the Department of Water with satisfactory arrangements being made for the implementation of the approved plan.

140 William Street, Perth, Western Australia 6000, Locked Bag 2506 Perth, 6001
 Tel: (08) 6551 9000; Fax: (08) 6551 9001; Infoline: 1800 626 477
 e-mail: corporate@planning.wa.gov.au; web address <http://www.planning.wa.gov.au>
 ABN 35 482 341 493



4. Prior to commencement of site works, investigation for soil and groundwater contamination is to be carried out to determine if remediation is required. If required, remediation, including validation of remediation, of any contamination identified shall be completed prior to commencement of the development to the satisfaction of the Western Australian Planning Commission on advice from the Department of Environment Regulation, to ensure that the development site is suitable for the proposed use.

Investigations and remediation are to be carried out in compliance with the *Contaminated Sites Act 2003* and current Department of Environment Regulation Contaminated Sites Guidelines.

5. No building materials, rubbish or other matter shall be deposited on the land reserved for Parks and Recreation in the Metropolitan Region Scheme after construction of the development.
6. Prior to commencement of site works, a spring flora survey shall be undertaken to identify the existence and protection of any endangered/vulnerable/threatened/priority flora species to the specifications of the Department of Parks and Wildlife and to the satisfaction of the Western Australian Planning Commission.
7. Prior to commencement of site works, a Dieback Management Plan is to be prepared and approved by the Department of Parks and Wildlife with satisfactory arrangements being made for the implementation of the approved plan.

If the development the subject of this approval is not substantially commenced within a period of two years from the date of this letter, the approval shall lapse and be of no further effect. Where an approval has so lapsed, no development shall be carried out without the further approval of the responsible authority having first been sought and obtained.

A handwritten signature in black ink, appearing to read "Kerrine Blenkinsop". The signature is written in a cursive, flowing style.

Kerrine Blenkinsop
Secretary
Western Australian Planning Commission
18 July 2016

PROPERTY LOGISTICS

Property Acquisition Specialist & Licensed Real Estate Agent



October 26, 2017

Ms M Restifo
Coordinator Land & Property Services
City of Kalamunda
PO Box 42
KALAMUNDA WA 6926

Dear Ms Restifo

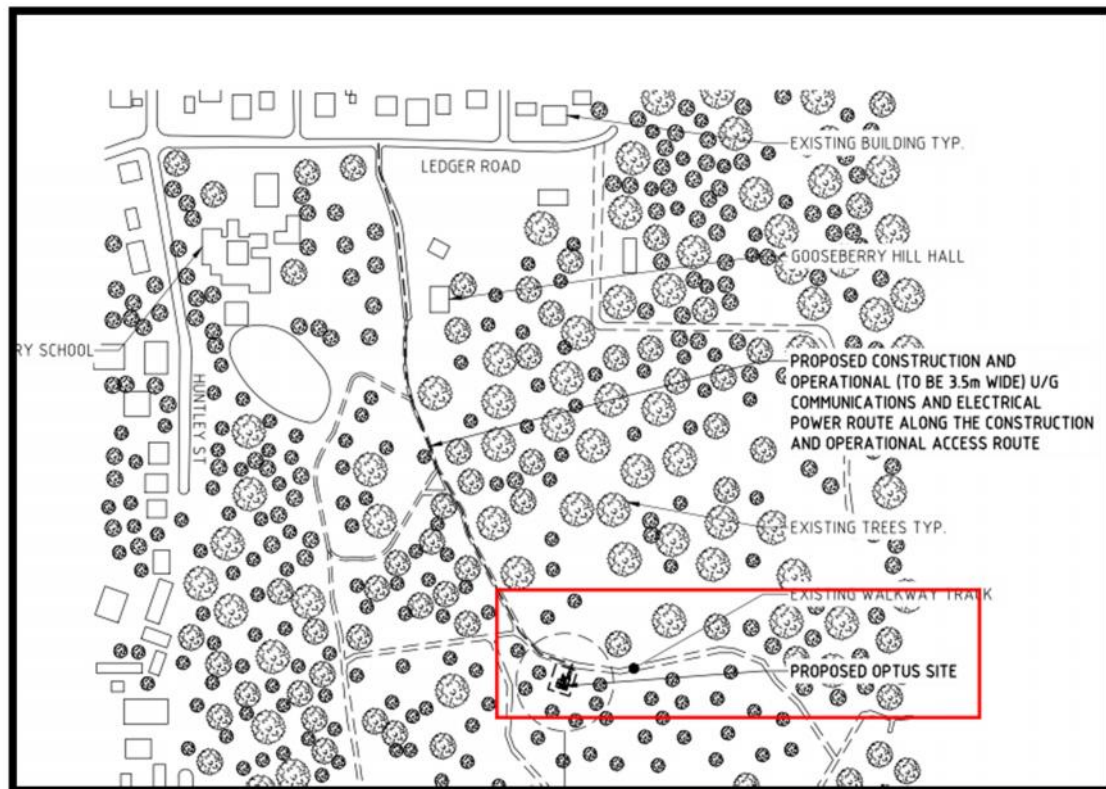
OPTUS MOBILE PTY LIMITED

42 (Lot 622) (Reserve 27154), Ledger Road Gooseberry Hill (Land) Proposed Excision

Property Logistics acts for Service Stream Mobile Communications who in turn acts on behalf of Optus Mobile Pty Limited in the identification, acquisition and deployment of suitable sites to be used as mobile phone base stations for its network, throughout Australia.

Brief

As you are aware, Optus is proposing to construct on a portion of the above Land a 40m high telecommunications pole and associated equipment and shelter (location depicted in the plan extract below and **attached drawings**).



Brief (Cont'd)

In order to secure tenure for the proposed facility approval from the City of Kalamunda is required to a proposed excision and the associated power, fibre and access easements which will be necessary for the new lot being created from the excision.

This correspondence addresses the proposed tenure and related information, and requests the City's approval to the excision and easements.

Planning Approval

On July 16, 2016 the WAPC issued the **attached planning approval** for the proposed installation.

Tenure

As per the **attached email** dated August 22, 2017, Matthew Brewer, Acting Senior State Land Officer of the Department of Planning, Lands and Heritage advised that in order for Optus to secure tenure the following is required:

“the Lands Division at the Department of Planning, Lands and Heritage (DPLH) would be supportive of excising the specific area for the telco tower and then issuing a standard Telco Lease under section 79 of the *Land Administration Act 1997 (LAA)* to Optus.

In addition to this, Lands will need to grant a s144 of the LAA “Access” easement over portion of Reserve 27154 to formalise access to the site. It is of my understanding that an easement is also required to house other services such as power. This may be either a separate adjacent easement or ancillary to the access easement – i.e. an “Access & Service Infrastructure” s.144 LAA easement.

In order to grant the abovementioned lease and easement the following consent from the City of Kalamunda will be required to:

- i) Excise portion of Reserve 27154; and
- ii) Consent to an easement/s burdening portion of Reserve 27154”

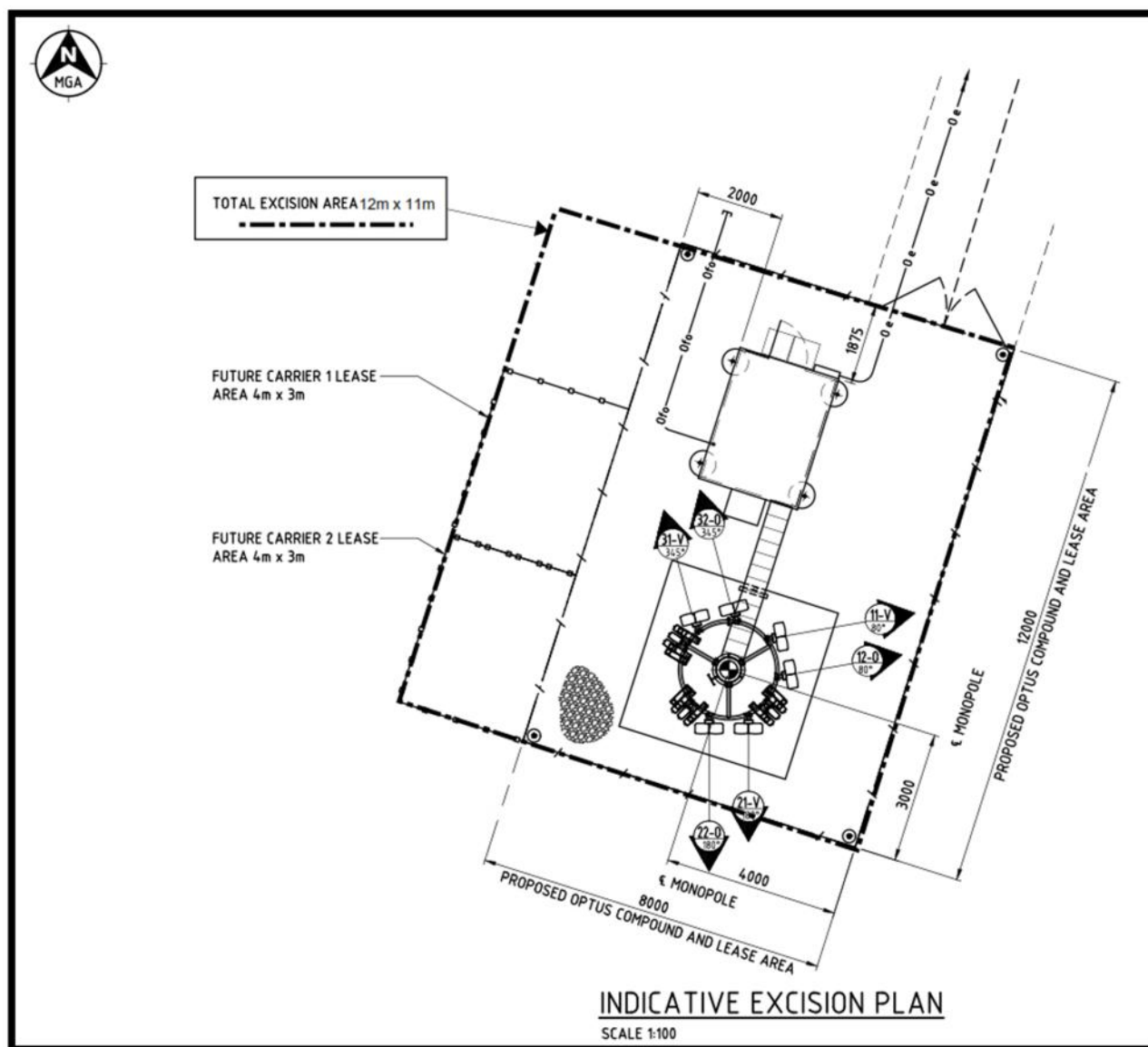
Optus would enter into a lease with the State of Western Australia pursuant to section 79 of the LAA for the new lot created from the excision.

Area to be Excised

As per the Excision Plan on page three below, the area proposed to be excised is 132 sqm, being 11m x 12m in dimension.

Optus will lease 96sqm of the new lot and the balance of the lot will be available for lease to other carriers.

Excision Plan



Easements

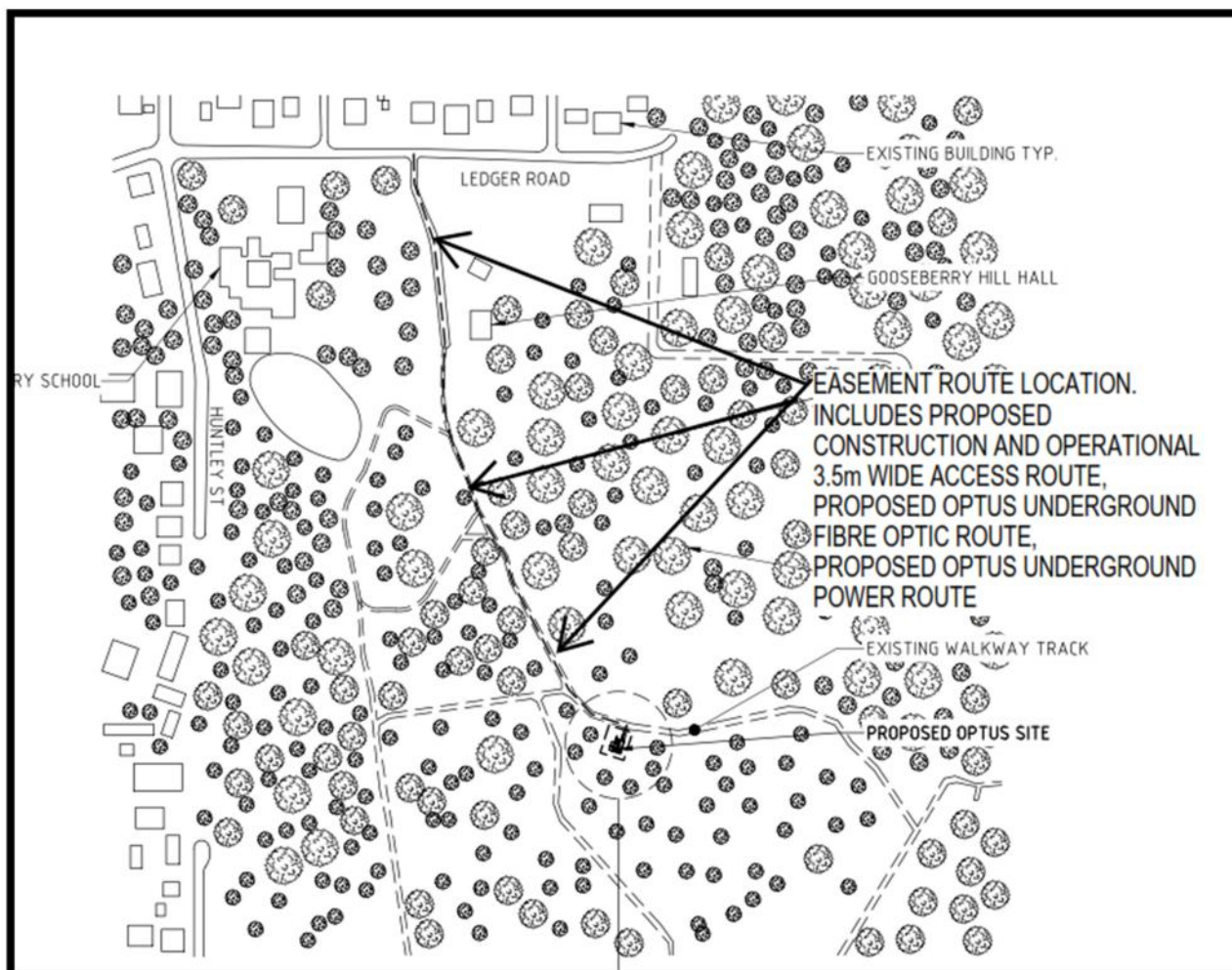
The lot will require easements to be created for the access, power and fibre routes and these will all be contained to the one route.

The width of the easement is proposed to be 3.5m and the length approximately 300m.

The easements will be surveyed and the subject of a new Deposited Plan. The Department of Planning, Lands and Heritage will issue survey instructions to the Optus surveyor once the City has given its consent to the proposed easements.

Easement Sketch Plan

The route of the areas required for the power, access and fibre is depicted on the sketch plan below.



We trust the above sufficiently address the information the City requires to consider the proposed excision and easements however, should any additional information be required, please do not hesitate to contact the writer on 0407 380 669.

Yours sincerely
Property Logistics
For Service Stream Mobile Communications

N Wilkie

Natalie Wilkie B.Bus (Licensed Valuer)
Principal

DATE OF ISSUE	10/10/17																		
DRAWING PACKAGE VERSION	1																		

GENERAL

P8311 - G1	SITE SPECIFICATIONS	01																	
P8311 - G2	OVERALL SITE PLAN	01																	
P8311 - G3A	INDICATIVE EXCISION PLAN	01																	
P8311 - G3	SITE LAYOUT AND SETOUT PLAN	01																	
P8311 - G4	SITE ELEVATION	01																	
P8311 - G5	SITE ACCESS DETAIL	01																	

ANTENNAS & TRANSMISSION

P8311 - A1	PANEL ANTENNA SYSTEM CONFIGURATION	01																	
P8311 - A2	RF PLUMBING DIAGRAM	01																	

STRUCTURAL

ELECTRICAL

SHELTER / FITOUT

P8311 - F1	EQUIPMENT SHELTER LAYOUT PLAN	01																	

EME EXCLUSION ZONES

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LEASE / LICENCE

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

REFERENCE DOCUMENTS

OSD-010	OPTUS CONSTRUCTION SPECIFICATION	11																	
OSD-030	OPTUS TOWER SPECIFICATION	3																	
OSD-170	SITE SIGNAGE TYPICAL GROUND SITE	B																	

DISTRIBUTION

OPTUS		1																	
NOKIA		1																	
SSMC		1																	

OPTUS

OPTUS SITE - P8311
GOOSEBERRY HILL

LOT 622 ON DEPOSITED PLAN 35723
42 LEDGER ROAD, GOOSEBERRY HILL
WA 6076

eJV GREENFIELD

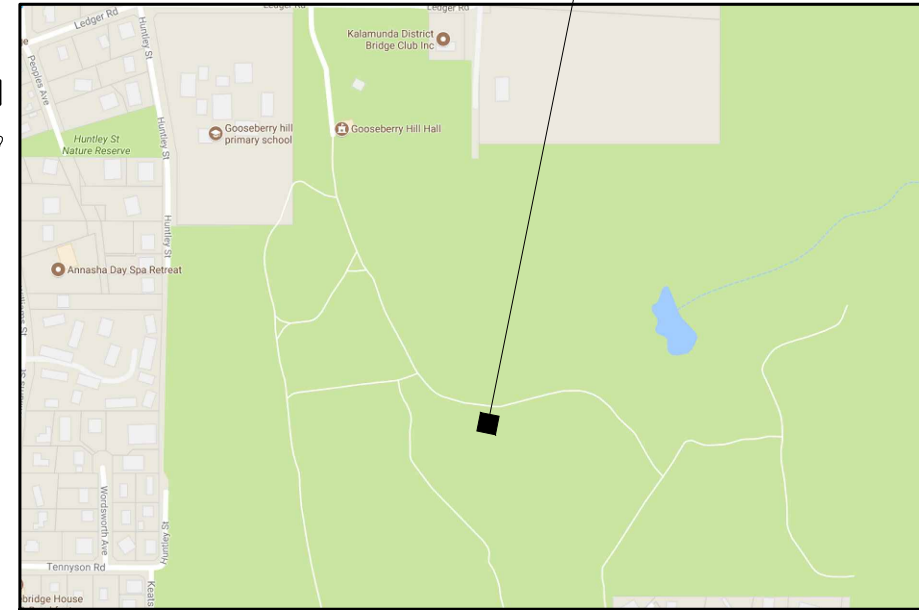


NOT FOR CONSTRUCTION

Drawing No.
P8311 - 00

LOT 622 ON DEPOSITED PLAN 35723
42 LEDGER ROAD, GOOSEBERRY HILL
WA 6076

OPTUS SITE P8311



SITE LOCATION DATA	
SOURCE: SURVEY	
DATUM: MGA (GDA94)	ZONE: 50
REF LOCATION:	£ MONOPOLE
EASTING	411 118
NORTHING	6 463 579
LATITUDE	-31.96030°
LONGITUDE	116.05943°

1. NEW OPTUS 40m HIGH MONOPOLE WITH HEADFRAME.
REFER TO ROCLA/ROAM/LeBLANC/FEC MONOPOLE CERTIFICATE № TBC.
2. NEW OPTUS ANTENNAS TO BE INSTALLED ON NEW HEADFRAME.
REFER TO CERTIFICATE OF STRUCTURAL ADEQUACY № TBC DATED 00/00/0000.
3. MONOPOLE AND HEADFRAME DETAILS, INCLUDING ANTENNA MOUNTS, FEEDER CABLE SUPPORTS, SHALL BE DESIGNED IN ACCORDANCE WITH THE "OPTUS TOWER SPECIFICATION" (OSD-030).
4. ANTENNA MAINTENANCE ACCESS BY QUALIFIED PERSONNEL ONLY VIA LADDER AND STEP PEGS WITH FALL ARREST SYSTEM PROVIDED ON MONOPOLE.

1. NEW OPTUS ICS VOS 1.3 (3.15m x 2.38m) PREFABRICATED SHELTER AT GROUND LEVEL. COLOUR TO BE 'PALE EUCALYPT'.
2. NEW OPTUS EQUIPMENT SHELTER TO BE SUPPORTED ON Ø600 CONCRETE PIERS.
3. SITE WIND SPEED IS 3.0.

THIS SITE SHALL BE LINKED TO THE NETWORK VIA OPTIC FIBRE.

RET CONTROL FOR THIS SITE TO BE INSTALLED AS PER OPTUS (0M38040) RET/MHA DEPLOYMENT GUIDE LATEST REVISION.

1. SITE ACCESS IS AS PER SHOWN ON DRG. P8311-G2.

1. MANUAL HANDLING
2. WORKING AT HEIGHTS
3. SLIP, TRIP AND FALLS
4. ELECTRICAL HAZARDS
5. WEATHER / LIGHTNING
6. SUN EXPOSURE
7. WILDLIFE / INSECTS
8. ASBESTOS CONTAMINATED SOIL PRESENT ON THE RESERVE
9. GENERAL PUBLIC

SITE SIGNAGE SHALL BE IN ACCORDANCE WITH OSD-170 (GROUND SITE).

1. REFER TO RADIO COMMUNICATIONS SITE MANAGEMENT BOOK (RCSMB) FOR LATEST EME EXCLUSION ZONES FOR EXISTING AND PROPOSED ANTENNAS AT THIS SITE.
2. REFER TO DRAWING P8311-G3 FOR CONTROL MEASURES AT THIS SITE (IF APPLICABLE)

1. THE CONTRACTOR SHALL COMPLY WITH ALL THE RELEVANT OPTUS CONSTRUCTION STANDARDS AND SPECIFICATIONS.
2. ALL INFORMATION TO BE CHECKED ON SITE PRIOR TO FABRICATION AND CONSTRUCTION.
3. CONTRACTOR TO ENGAGE A SURVEYOR TO SET-OUT ALL ITEMS OF THIS SITE IN ACCORDANCE WITH THE DRAWINGS.
4. THE CONTRACTOR SHALL IDENTIFY AND CONFIRM ALL RELEVANT EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.

01	10.10.17	NOT FOR CONSTRUCTION (eJV GREENFIELD)	SSMC	JM	--	--		DP	
Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier		Approver	



Client:



Project:

Project: MOBILE NETWORK
AUSTRALIA
SITE No:- P8311
GOOSEBERRY HILL
42 LEDGER ROAD, GOOSEBERRY HILL

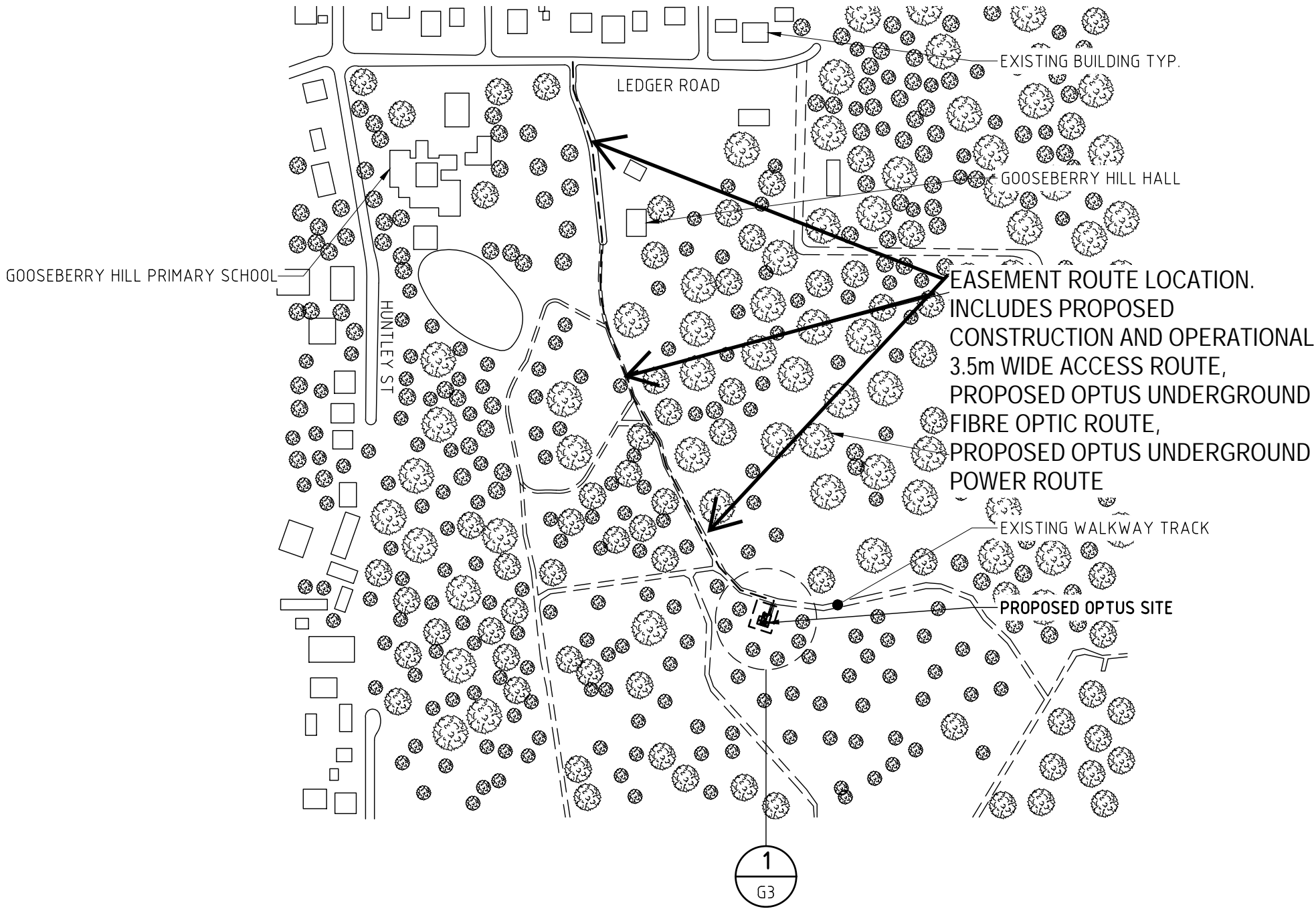
Drawing Title:

SITE SPECIFICATIONS

Drawing Status:

Drawing Status:	Drawing No:
NOT FOR CONSTRUCTION	P8311-G1

Revision
01



NOTES:

- 1. ALL INFORMATION TO BE CHECKED ON SITE PRIOR TO FABRICATION AND CONSTRUCTION.
- 2. DRAWINGS BASED ON INFORMATION PROVIDED BY OTHERS.
- 3. CONSTRUCTION CONTRACTOR TO CONFIRM SUITABILITY OF PROPOSED EWP SET-UP/PARKING LOCATION ON SITE PRIOR TO WORK COMMENCING.
- 4. SERVICES INFORMATION CONTAINED ON THIS DRAWING IS INDICATIVE ONLY AND REFERENCE SHOULD BE MADE TO THE AUTHORITIES DRAWINGS TO CONFIRM ACCURACY AND COMPLETENESS. WHERE INFORMATION IS AVAILABLE, THE SUB-SURFACE SERVICES INSTALLED BY AGENTS OTHER THAN AUTHORITIES HAVE BEEN SHOWN, BUT ADDITIONAL UNDOCUMENTED SERVICES MAY BE PRESENT. SHOULD THE CONTRACTOR BELIEVE THAT SUB-SURFACE SERVICES ARE AT RISK OF DAMAGE DURING CONSTRUCTION, THE CONTRACTOR SHOULD NOTIFY THE RELEVANT AUTHORITIES AND ESTABLISH THE EXACT LOCATION OF THE SERVICES.

LEGEND

- PROPERTY BOUNDARY
- OPTUS FIBRE OPTIC
- PROPOSED CONSTRUCTION AND OPERATIONAL ACCESS ROUTE, U/G COMMUNICATIONS AND ELECTRICAL POWER ROUTE
- FENCE LINE

OVERALL SITE PLAN


SCALE 1:5000

Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver
01	10.10.17	NOT FOR CONSTRUCTION (eJV GREENFIELD)	SSMC	JM	--	--	DP



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Client:



Project:

MOBILE NETWORK AUSTRALIA
SITE No:- P8311
GOOSEBERRY HILL
42 LEDGER ROAD, GOOSEBERRY HILL

Drawing Title:

OVERALL SITE PLAN

Drawing Status:

NOT FOR CONSTRUCTION

Drawing No.

P8311-G2

Revision

01



PROPOSED OPTUS U/G COMMUNICATIONS AND ELECTRICAL POWER ROUTE ALONG THE CONSTRUCTION AND OPERATIONAL ACCESS ROUTE

PROPOSED CONSTRUCTION AND OPERATIONAL ACCESS ROUTE (TO BE 3.5m WIDE) OVER EXISTING ACCESS TRACK

PROPOSED OPTUS EARTHING (4 OFF) TYP.

PROPOSED OPTUS FIBRE ROUTE

PROPOSED OPTUS EQUIPMENT SHELTER

PROPOSED OPTUS 450mm WIDE ELEVATED CABLE LADDER WITH SUPPORT POST

PROPOSED VHA 12 PORT PANEL ANTENNAS (3 OFF, CELLS 11-V, 21-V & 31-V)

PROPOSED OPTUS/VHA RRU'S (36 OFF) TYP.

PROPOSED OPTUS 40m HIGH MONOPOLE

PROPOSED OPTUS CIRCULAR HEADFRAME

MGA ZONE	50
E	4 11 118
N	6 463 579
AT	€ MONOPOLE

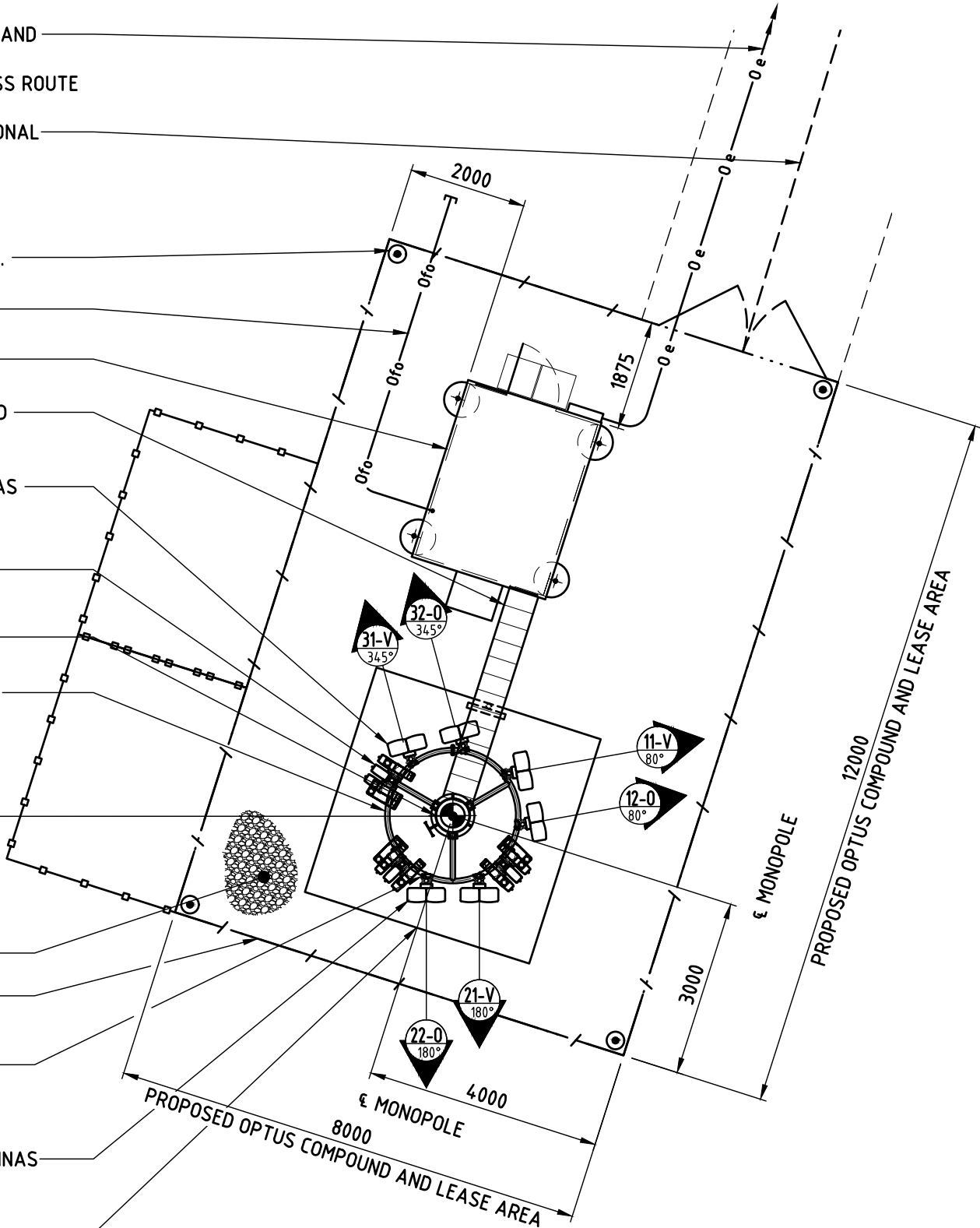
PROPOSED GRAVEL GROUND COVER

PROPOSED OPTUS 2.4m HIGH SECURITY FENCE WITH DOUBLE ACCESS GATES

PROPOSED OPTUS COMBINERS AND DIPLEXERS TO BE INSTALLED BEHIND THE PROPOSED PANEL ANTENNAS

PROPOSED OPTUS 12 PORT PANEL ANTENNAS (3 OFF, CELLS 12-0, 22-0 & 32-0)

PROPOSED OPTUS MONOPOLE FOOTING (SIZE TBC)



NOTES:

1. REFER TO DRAWING P8311-A1 FOR ANTENNA SYSTEM CONFIGURATION.
2. TOTAL FEEDER: NEW XX 5-50 (XX OFF PER SECTOR) AND TRUNK CABLES 6 OFF (2 OFF PER SECTOR) TO RUN INTERNALLY TO MONOPOLE AND TERMINATED ON HORIZONTAL 450mm WIDE ELEVATED CABLE LADDER.
3. ALL INFORMATION TO BE CHECKED ON SITE PRIOR TO FABRICATION AND CONSTRUCTION.

LEGEND

- PROPERTY BOUNDARY
- OPTUS FIBRE OPTIC
- PROPOSED CONSTRUCTION AND OPERATIONAL ACCESS ROUTE
- OPTUS U/G COMMUNICATIONS AND ELECTRICAL POWER ROUTE
- FENCE LINE
- NEW OR REPLACE

Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver
01	10.10.17	NOT FOR CONSTRUCTION (eJV GREENFIELD)	SSMC	JM	--	--	DP

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Project:

MOBILE NETWORK AUSTRALIA
SITE No:- P8311
GOOSEBERRY HILL
42 LEDGER ROAD, GOOSEBERRY HILL

Drawing Title:

SITE LAYOUT AND SETOUT PLAN

Drawing Status:

NOT FOR CONSTRUCTION

Drawing No.

P8311-G3

Revision

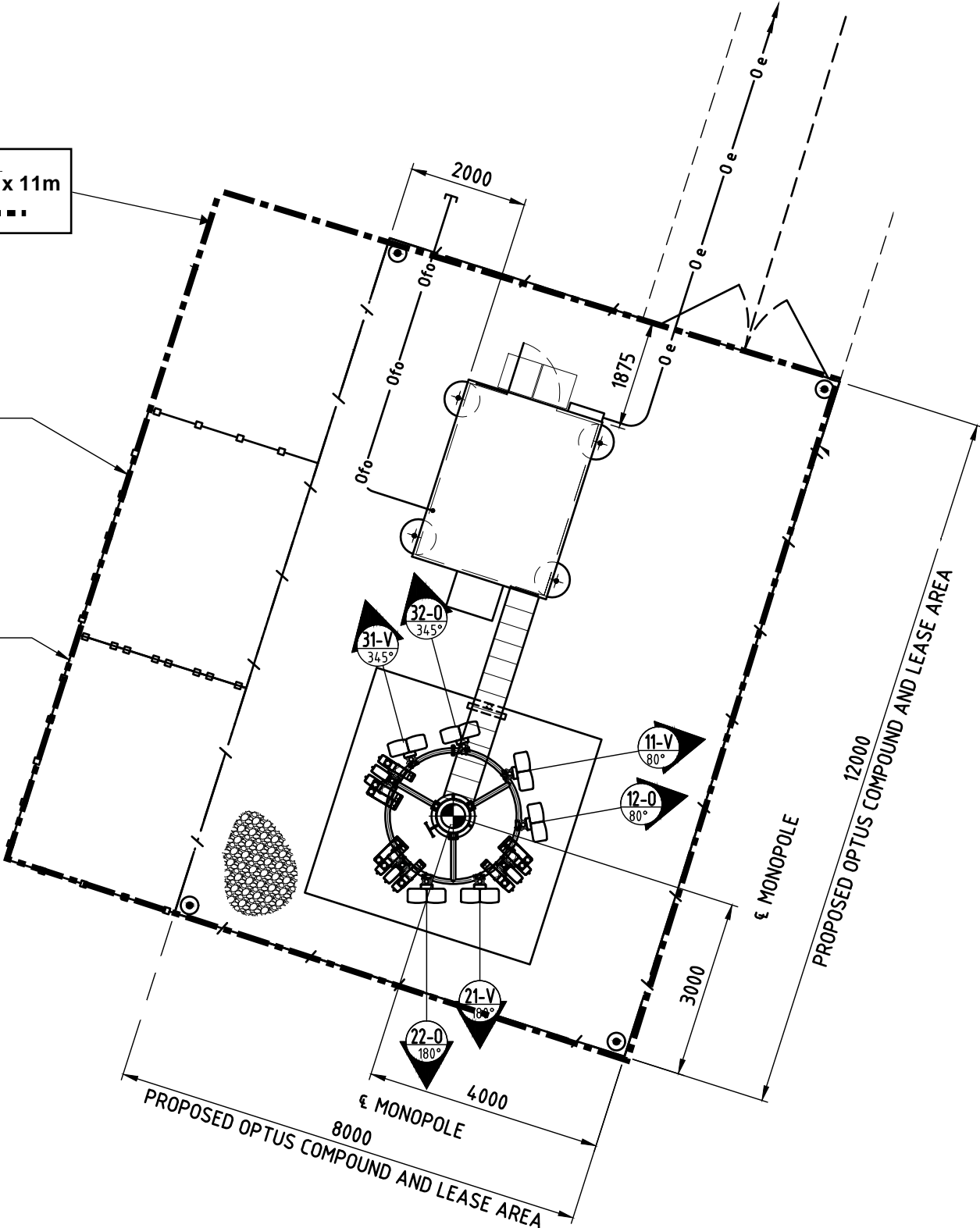
01



TOTAL EXCISION AREA 12m x 11m

FUTURE CARRIER 1 LEASE
AREA 4m x 3m

FUTURE CARRIER 2 LEASE
AREA 4m x 3m



NOTES:

1. REFER TO DRAWING P8311-A1 FOR ANTENNA SYSTEM CONFIGURATION.
2. ALL INFORMATION TO BE CHECKED ON SITE PRIOR TO FABRICATION AND CONSTRUCTION.

LEGEND

- PROPERTY BOUNDARY
- OPTUS FIBRE OPTIC
- PROPOSED CONSTRUCTION AND OPERATIONAL ACCESS ROUTE
- OPTUS U/G COMMUNICATIONS AND ELECTRICAL POWER ROUTE
- FENCE LINE



INDICATIVE EXCISION PLAN

SCALE 1:100

Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver
01	10.10.17	NOT FOR CONSTRUCTION (eJV GREENFIELD)	SSMC	JM	--	--	DP

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Client:
OPTUS

Project:
MOBILE NETWORK AUSTRALIA
SITE No:- P8311
GOOSEBERRY HILL
42 LEDGER ROAD, GOOSEBERRY HILL

Drawing Title:
INDICATIVE EXCISION PLAN

Drawing Status:
NOT FOR CONSTRUCTION

Drawing No.
P8311-G3A

Revision
01

NOTES:

- 1. REFER TO DRAWING P8311-G1 FOR SITE SPECIFIC NOTES.
- 2. REFER TO DRAWING P8311-A1 FOR PANEL ANTENNA DETAILS
- 3. THIS DRAWING IS DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED.
- 4. ALL INFORMATION TO BE CHECKED ON SITE PRIOR TO FABRICATION AND CONSTRUCTION.

PROPOSED OPTUS 12 PORT PANEL ANTENNAS
(3 OFF, CELLS 12-0, 22-0 & 32-0)

PROPOSED OPTUS/VHA RRU'S (36 OFF) TYP.

PROPOSED VHA 12 PORT PANEL ANTENNAS
(3 OFF, CELLS 11-V, 21-V & 31-V)

PROPOSED OPTUS CIRCULAR HEADFRAME

PROPOSED OPTUS 40m HIGH MONOPOLE

PROPOSED OPTUS/VHA FEEDER CABLES
TO RUN INTERNAL TO MONOPOLE

▼ EL. 42.00m
OVERALL HEIGHT FROM FOUNDATION

▼ EL. 40.00m
TOP OF PROPOSED OPTUS MONOPOLE
€ PROPOSED OPTUS PANEL ANTENNAS (3 OFF)
€ PROPOSED VHA PANEL ANTENNAS (3 OFF)
PROPOSED COMBINERS AND DIPLEXERS (BEHIND PANEL ANTENNAS)

PROPOSED OPTUS MONOPOLE FOOTING
(SIZE TBC)

PROPOSED OPTUS 450mm WIDE ELEVATED
CABLE LADDER WITH SUPPORT POST

PROPOSED OPTUS EQUIPMENT SHELTER

PROPOSED OPTUS 2.4m HIGH SECURITY
FENCE WITH DOUBLE ACCESS GATES

EXISTING TREES TYP.

PROPOSED OPTUS U/G COMMUNICATIONS AND
ELECTRICAL POWER ROUTE ALONG THE
CONSTRUCTION AND OPERATIONAL ACCESS ROUTE

▽ EL. 0.00m
GROUND LEVEL

PROPOSED OPTUS FIBRE ROUTE

SOUTH WEST ELEVATION

SCALE 1:200

Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver
01	10.10.17	NOT FOR CONSTRUCTION (eJV GREENFIELD)	SSMC	JM	--	--	DP



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Project:

MOBILE NETWORK
AUSTRALIA
SITE No:- P8311
GOOSEBERRY HILL
42 LEDGER ROAD, GOOSEBERRY HILL

Drawing Title:

SITE ELEVATION

Drawing Status:

NOT FOR CONSTRUCTION

Drawing No.

P8311-G4

Revision

01



LEGEND

- PROPERTY BOUNDARY
- OPTUS FIBRE OPTIC
- PROPOSED CONSTRUCTION AND OPERATIONAL ACCESS ROUTE, U/G COMMUNICATIONS AND ELECTRICAL POWER ROUTE
- FENCE LINE

EXISTING TREES TYP.

PROPOSED CONSTRUCTION AND OPERATIONAL (TO BE 3.5m WIDE) U/G COMMUNICATIONS AND ELECTRICAL POWER ROUTE ALONG THE CONSTRUCTION AND OPERATIONAL ACCESS ROUTE

EXISTING WALKWAY AND ACCESS TRACK

PROPOSED OPTUS SITE

PROPOSED CONSTRUCTION ZONE (TEMPORARY)

SITE ACCESS DETAIL

SCALE 1:1000



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Client:

Project:
MOBILE NETWORK AUSTRALIA
SITE No:- P8311
GOOSEBERRY HILL
42 LEDGER ROAD, GOOSEBERRY HILL

Drawing Title:

SITE ACCESS DETAIL

Drawing Status:

NOT FOR CONSTRUCTION

Drawing No.

P8311-G5

Revision

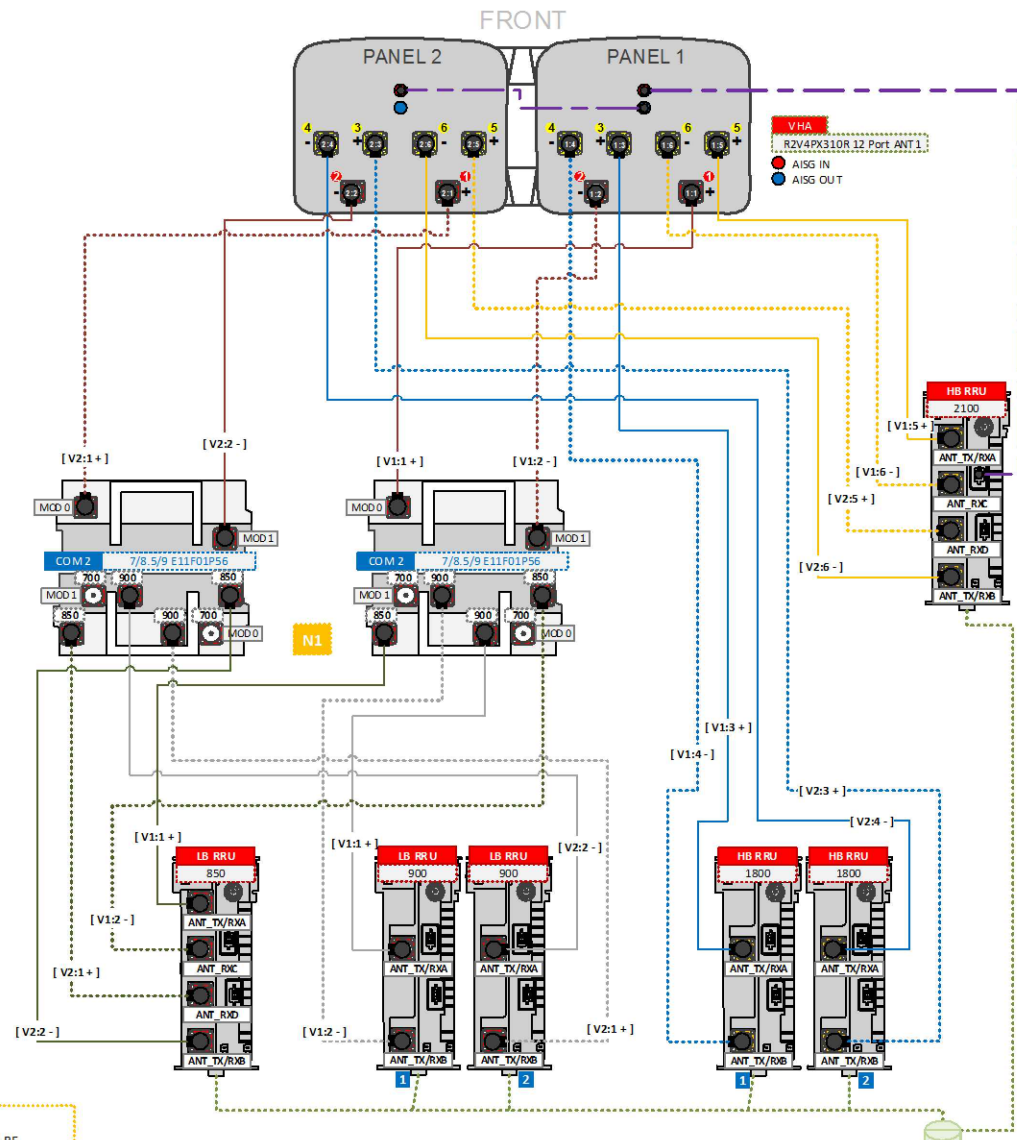
01

ANTENNA	OPERATOR	OPTUS						OPTUS						OPTUS					
	SECTOR	SECTOR 1						SECTOR 2						SECTOR 3					
	IDENTITY N° (SAO)	11-O						21-O						31-O					
	STATUS	NEW						NEW						NEW					
	AZIMUTH (° TN)	80° TN						180° TN						345° TN					
	EL C/L ANTENNA	40.00m						40.00m						40.00m					
	CO-ORDINATES (NOTE 2)	E 411 118			N 6 463 579			E 411 118			N 6 463 579			E 411 118			N 6 463 579		
	ELECTRICAL TILT (°)	6°	6°	4°	4°	4°	4°	4°	4°	2°	2°	2°	2°	6°	6°	4°	4°	4°	4°
	RET	YES						YES						YES					
	MAKE & MODEL	ARGUS R2V4PX310R						ARGUS R2V4PX310R						ARGUS R2V4PX310R					
DIMENSIONS (H x W x D)	2490 x 641 x 244						2490 x 641 x 244						2490 x 641 x 244						
PORTS	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	
PORT USER	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	
FREQUENCY BANDS	700	700/900	1800/2100/2300		2300		700	700/900	1800/2100/2300		2300		700	700/900	1800/2100/2300		2300		
ANCILLARIES	MHA	-						-						-					
	COMBINER / DIPLEXER	2 x COM2						2 x COM2						2 x COM2					
	RRU / RF MODULES	1x3942 RRU(850), 2x3936 RRU(900), 2x3929 RRU(1800), 1x3832 RRU(2100)						1x3942 RRU(850), 2x3936 RRU(900), 2x3929 RRU(1800), 1x3832 RRU(2100)						1x3942 RRU(850), 2x3936 RRU(900), 2x3929 RRU(1800), 1x3832 RRU(2100)					
COAXIAL FEEDERS	STATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	TECHNOLOGIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	QUANTITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	DESIGNATION (SIZE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ESTIMATED LENGTH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRUNK CABLES	STATUS	NEW																	
	TECHNOLOGIES	700/1800/2100/2300/2600																	
	QUANTITY	6																	
	MAKE & MODEL (SIZE)	HUBER & SUNNER 6/12 (MLEH)																	
	NO. OF DC / SMF PAIRS	-																	
	ESTIMATED LENGTH	50m																	
	OTHER	-																	

ANTENNA	OPERATOR SECTOR	VODAFONE SECTOR 1						VODAFONE SECTOR 2						VODAFONE SECTOR 3					
	IDENTITY N° (SAO)	12-V						22-V						32-V					
	STATUS	NEW						NEW						NEW					
	AZIMUTH (° TN)	80° TN						180° TN						345° TN					
	EL C/L ANTENNA	40.00m						40.00m						40.00m					
	CO-ORDINATES (NOTE 2)	E 411 118			N 6 463 579			E 411 118			N 6 463 579			E 411 118			N 6 463 579		
	ELECTRICAL TILT (°)	6°	6°	4°	4°	4°	4°	4°	2°	2°	2°	2°	6°	6°	4°	4°	4°	4°	
	RET	YES						YES						YES					
	MAKE & MODEL	ARGUS R2V4PX310R						ARGUS R2V4PX310R						ARGUS R2V4PX310R					
	DIMENSIONS (H x W x D)	2490 x 641 x 244						2490 x 641 x 244						2490 x 641 x 244					
PORTS	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	
PORT USER	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	
FREQUENCY BANDS	850/900	850/900	1800	1800	2100	2100	850/900	850/900	1800	1800	2100	2100	850/900	850/900	1800	1800	2100	2100	
ANCILLARIES	MHA	-						-						-					
	COMBINER / DIPLEXER	2 x COM2a, 2 x COM3						2 x COM2a, 2 x COM3						2 x COM2a, 2 x COM3					
	RRU / RF MODULES	1 x FRPA RRU (700), 1 x FXDB RRU (900), 1 x FXEB RRU (1800), 1 x FRGF RRU (2100), 1 x FZNI RRU (2300), 1 x FUTURE RRU						1 x FRPA RRU (700), 1 x FXDB RRU (900), 1 x FXEB RRU (1800), 1 x FRGF RRU (2100), 1 x FZNI RRU (2300), 1 x FUTURE RRU						1 x FRPA RRU (700), 1 x FXDB RRU (900), 1 x FXEB RRU (1800), 1 x FRGF RRU (2100), 1 x FZNI RRU (2300), 1 x FUTURE RRU					
COAXIAL FEEDERS	STATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	TECHNOLOGIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	QUANTITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	DESIGNATION (SIZE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ESTIMATED LENGTH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRUNK CABLES	STATUS	NEW																	
	TECHNOLOGIES	700/1800/2100/2300/2600																	
	QUANTITY	6																	
	MAKE & MODEL (SIZE)	HUBER & SUNNER 6/12 (MLEH)																	
	NO. OF DC / SMF PAIRS	-																	
	ESTIMATED LENGTH	50m																	
	OTHER	-																	

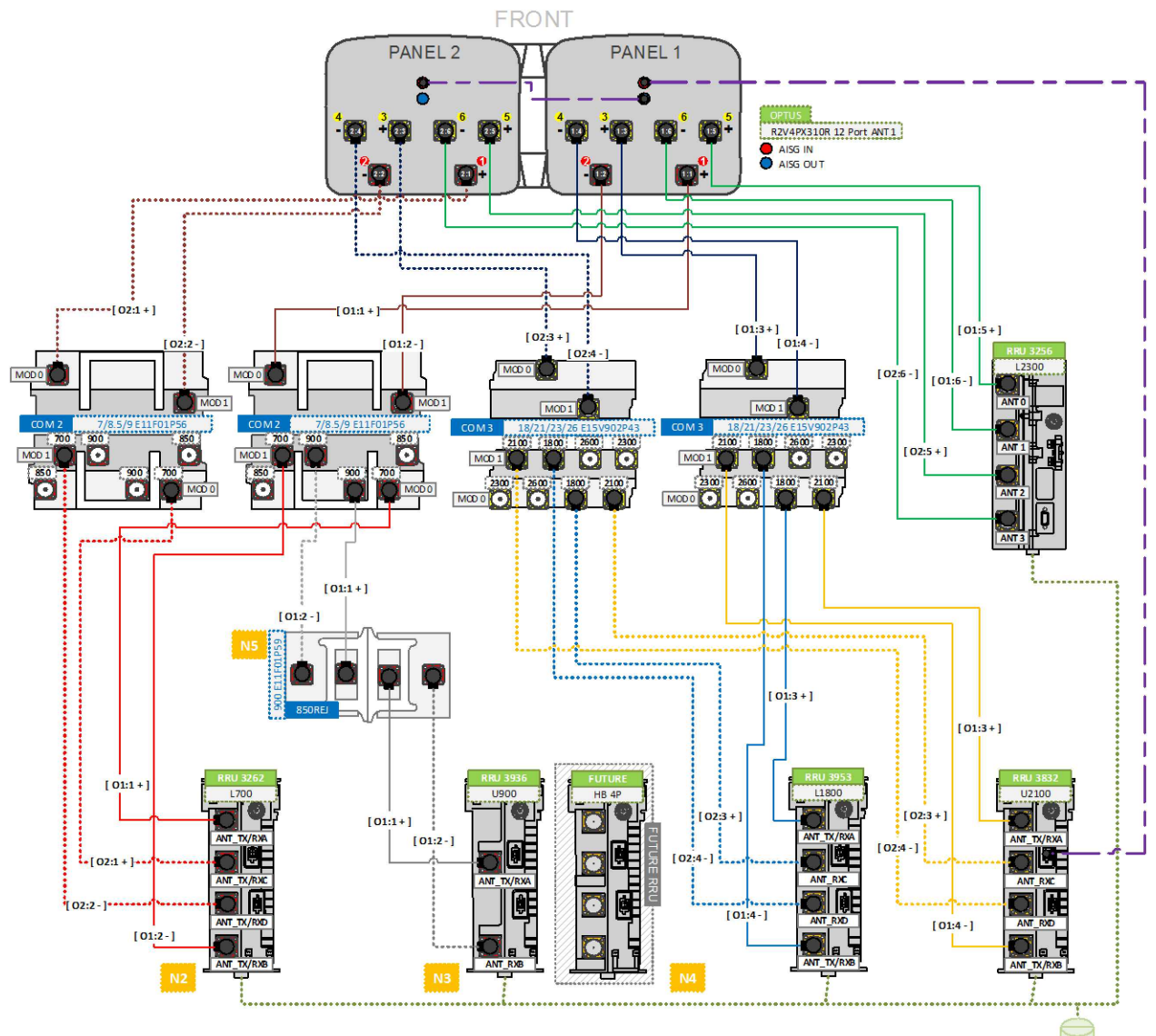
ANCILLARY	EQUIPMENT CODE	MANUFACTURER	MANUFACTURER PRODUCT CODE	TECHNOLOGY FREQUENCIES	DIMENSIONS (mm x mm x mm)	WEIGHT (kg)
RRU	(RF MODULE UNO)	NSN	FRPA	700	560 x 447 x 133	25
			FXDB	900	560 x 447 x 133	25
			FXEB	1800	560 x 447 x 133	25
			FRGF	2100	560 x 447 x 133	25
		HUAWEI	FZNI (RRH)	2300	450 x 350 x 160	17
			3942	850	485 x 380 x 170	25
			3936	900	400 x 300 x 100	13,5
			3929	1800	485 x 380 x 170	25
COMBINER DIPLEXER	COM2	COMMSCOPE	E11F01P56	700/850/900	337 x 216.6 x 142	12,5
	COM2a	TONGYU	TYT-C003D001	700/900	173 x 144 x 120	7
	COM3	COMMSCOPE	E15V90P43	1800 / 2100 / 2300 / 2600	260 x 210 x 120	9

ANTENNA LEGEND



- NOTES**
- N1. VHA Plumbing, inline RF components and BBU configuration may differ to what is shown
 - N2. L700 to be designed and deployed as 2 x 2p RRU (2T4R) until 1 x 4p RRU is available in approx Jan-2016
 - N3. U9 2T2R RRU Config Options:
 - RRU 3936 (2P 1T2R) - NOW
 - RRU 3959 (2P 2T2R) - DEC 15
 - N4. Future HB RRU will be deployed once L700 is consolidated to 1 x 4p RRU.
 - N5. 850 REJ Filter only required on Huawei RRU and to be deployed on sites where Optus is Co Sited with Telstra or Telstra Antennas are in close proximity.

VHA RF PLUMBING DIAGRAM
PER SECTOR



Optus RF PLUMBING DIAGRAM
PER SECTOR

NOTE:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING P8311-A1.

Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver
01	10.10.17	NOT FOR CONSTRUCTION (eJV GREENFIELD)	SSMC	JM	--	--	DP

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Client:

Project:

MOBILE NETWORK AUSTRALIA
SITE No:- P8311
GOOSEBERRY HILL
42 LEDGER ROAD, GOOSEBERRY HILL

Drawing Title:

RF PLUMBING DIAGRAM

Drawing Status:

NOT FOR CONSTRUCTION

Drawing No.

P8311-A2

Revision

01

1. INTERNATIONAL COMMUNICATIONS SHELTERS (ICS) VOS 1.3 SANDWICH PANEL SHELTER, COLOURED COLORBOND 'PALE EUCALYPT'.
2. THIS DRAWING IS DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED.



01

Optus - Reserve 27154 - Lot 622 (No 42) Ledger Road, Gooseberry Hill
Optus Response to the City of Kalamunda's Queries of 22-2-18

ITEM REQUESTED	RESPONSE
1. Detailed plan showing the exact location of the facility	See attached drawings
1a. alignment of the proposed underground cabling.	1a; 1c to 1f
b. proximity of the proposed underground cabling to the central historic landfill/quarry areas.	Whilst these items are not ordinarily a requirement for a Local Authority to assess an excision, the information is being supplied, and on an indicative basis only.
c. show cross-section of easement, including depth of pipe, diameter of pipe, and width and depth of easement	1a See Drawing No. P8311-G2 and P8311-G5
	<p>1b</p> <p>With regard to the central historic landfill/quarry areas the City is requested to please supply the mapping for these areas.</p> <p>Once the mapping is supplied the cabling proximity to the landfill/quarry areas can be identified.</p> <p>1c</p> <p>A drawing detail cannot be provided until the For Construction Drawings phase, and following a formal survey, however, Optus underground power cable runs will be 600mm to 700mm below ground level via a 50mm diameter conduit.</p> <p>The power cabling easement will be 2m wide.</p> <p>The access easement is proposed to be 3m wide and at ground level only.</p>

d. location of existing underground services.	<p>1d A Dial Before You Dig search has been carried out and disclosed the following:</p> <ul style="list-style-type: none"> Water corporation, Telstra, Western Power, ATCO Gas and Optus all have their assets around ledger road. No assets found around proposed Optus compound area. <p>1e See Drawing P8311-G3A</p> <p>1f See the circled areas on Drawing P8311-G3A. Note that the areas are largely cleared other than low level scrub.</p>
e. footprint Optus intends to make for the structure and its location.	
f. location of 'construction area' i.e. where Optus will build, store and operate the machinery needed to construct the proposed tower, including identification of any areas to be cleared. Investigation of relocation to an already cleared area.	
g. bushfire asset protection zone and structure bushfire attack level (BAL) rating.	Not required. Telecommunications use is exempt from bushfire regulation requirements.
h. location of proposed firebreaks.	The City will be requested to supply the legislative/scheme requirements for firebreaks in regard to a telecommunications use and requested to confirm whether they are in fact required.
2. Details on the proposed construction method/construction specifications for installation of the cabling.	<p>This information cannot be provided until a Western Power design is completed, following which the requested details can be supplied at the detailed design stage.</p> <p>It is also noted that this information is not related to the excision. It is a Building Permit matter.</p>

3. The WAPC development approval requires the following investigations:	
a. Condition 2 – Environmental (and Asbestos) Management Plan prior to the commencement of site works.	These investigations are required to be undertaken prior to the commencement of site works. Optus will comply with these conditions. The investigations are not required for the excision process to proceed.
b. Condition 3 – Water Management Plan prior to the commencement of ground disturbing activities.	
c. Condition 4 – Soil and Ground Water Investigation prior to the commencement of site works.	
d. Condition 6 – Spring Flora Survey prior to the commencement of site works.	
e. Condition 7 – Dieback Management Plan prior to the commencement of site works.	
4. Has Optus undertaken a Flora and Fauna Protection Plan, Dust Management Plan and Noise Management Plan, in light of the potential effects of the proposal on plants and wildlife in the area?	<p>These matters were not imposed as conditions of approval by the WAPC, nor were they recommended by the City in Council's resolution.</p> <p>If Council considered such plans were necessary, it had ample opportunity throughout the year the proposal was under discussion with the City's officers, or the 2 months the DA was under formal assessment.</p> <p>Notwithstanding, it is anticipated the Environmental Management Plan, which Optus is to provide, will supply guidance for protection of flora and fauna, and dust and noise management where relevant.</p>

DATE OF ISSUE	10/10/17																		
DRAWING PACKAGE VERSION	1																		

GENERAL

P8311 - G1	SITE SPECIFICATIONS	01																	
P8311 - G2	OVERALL SITE PLAN	01																	
P8311 - G3A	INDICATIVE EXCISION PLAN	01																	
P8311 - G3	SITE LAYOUT AND SETOUT PLAN	01																	
P8311 - G4	SITE ELEVATION	01																	
P8311 - G5	SITE ACCESS DETAIL	01																	

ANTENNAS & TRANSMISSION

P8311 - A1	PANEL ANTENNA SYSTEM CONFIGURATION	01																	
P8311 - A2	RF PLUMBING DIAGRAM	01																	

STRUCTURAL

ELECTRICAL

SHELTER / FITOUT

P8311 - F1	EQUIPMENT SHELTER LAYOUT PLAN	01																	

EME EXCLUSION ZONES

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LEASE / LICENCE

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REFERENCE DOCUMENTS

OSD-010	OPTUS CONSTRUCTION SPECIFICATION	11																	
OSD-030	OPTUS TOWER SPECIFICATION	3																	
OSD-170	SITE SIGNAGE TYPICAL GROUND SITE	B																	

DISTRIBUTION

OPTUS		1																	
NOKIA		1																	
SSMC		1																	

OPTUS

OPTUS SITE - P8311

GOOSEBERRY HILL

LOT 622 ON DEPOSITED PLAN 35723

42 LEDGER ROAD, GOOSEBERRY HILL

WA 6076

eJV GREENFIELD

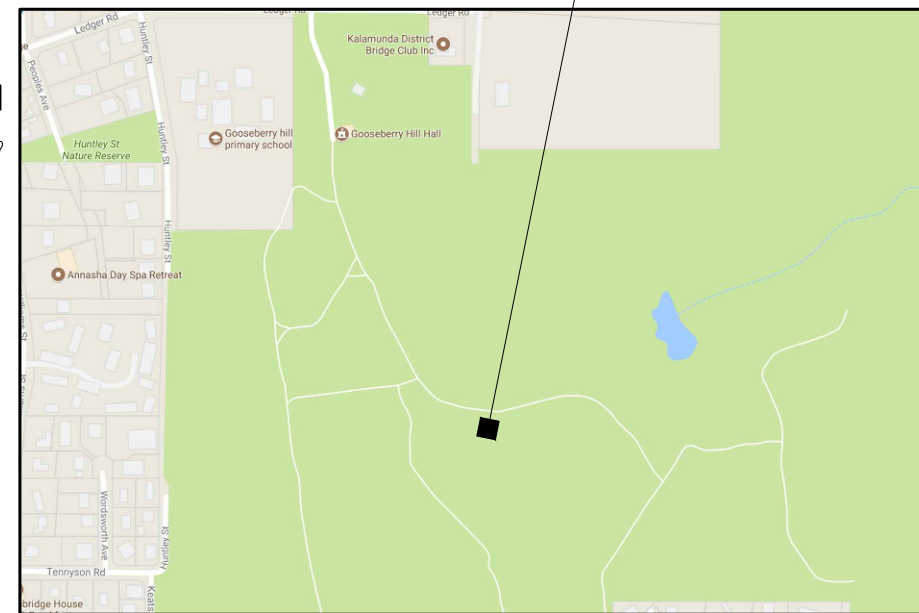


NOT FOR CONSTRUCTION

Drawing No.
P8311 - 00

LOT 622 ON DEPOSITED PLAN 35723
42 LEDGER ROAD, GOOSEBERRY HILL
WA 6076

OPTUS SITE P8311



SITE LOCATION DATA	
SOURCE: SURVEY	
DATUM: MGA (GDA94)	ZONE: 50
REF LOCATION:	€ MONOPOLE
EASTING	411 118
NORTHING	6 463 579
LATITUDE	-31.96030°
LONGITUDE	116.05943°

1. MANUAL HANDLING
2. WORKING AT HEIGHTS
3. SLIP, TRIP AND FALLS
4. ELECTRICAL HAZARDS
5. WEATHER / LIGHTNING
6. SUN EXPOSURE
7. WILDLIFE / INSECTS
8. ASBESTOS CONTAMINATED SOIL PRESENT ON THE RESERVE
9. GENERAL PUBLIC

SITE SIGNAGE SHALL BE IN ACCORDANCE WITH OSD-170 (GROUND SITE).

1. REFER TO RADIO COMMUNICATIONS SITE MANAGEMENT BOOK (RCSMB) FOR LATEST EME EXCLUSION ZONES FOR EXISTING AND PROPOSED ANTENNAS AT THIS SITE.
2. REFER TO DRAWING P8311-G3 FOR CONTROL MEASURES AT THIS SITE (IF APPLICABLE)

1. THE CONTRACTOR SHALL COMPLY WITH ALL THE RELEVANT OPTUS CONSTRUCTION STANDARDS AND SPECIFICATIONS.
2. ALL INFORMATION TO BE CHECKED ON SITE PRIOR TO FABRICATION AND CONSTRUCTION.
3. CONTRACTOR TO ENGAGE A SURVEYOR TO SET-OUT ALL ITEMS OF THIS SITE IN ACCORDANCE WITH THE DRAWINGS.
4. THE CONTRACTOR SHALL IDENTIFY AND CONFIRM ALL RELEVANT EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.

1. NEW OPTUS 40m HIGH MONOPOLE WITH HEADFRAME.
REFER TO ROCLA/ROAM/LeBLANC/FEC MONOPOLE CERTIFICATE Nº TBC.
2. NEW OPTUS ANTENNAS TO BE INSTALLED ON NEW HEADFRAME.
REFER TO CERTIFICATE OF STRUCTURAL ADEQUACY Nº TBC DATED 00/00/0000.
3. MONOPOLE AND HEADFRAME DETAILS, INCLUDING ANTENNA MOUNTS, FEEDER CABLE SUPPORTS, SHALL BE DESIGNED IN ACCORDANCE WITH THE "OPTUS TOWER SPECIFICATION" (OSD-030).
4. ANTENNA MAINTENANCE ACCESS BY QUALIFIED PERSONNEL ONLY VIA LADDER AND STEP PEGS WITH FALL ARREST SYSTEM PROVIDED ON MONOPOLE.

1. NEW OPTUS ICS VOS 1.3 (3.15m x 2.38m) PREFABRICATED SHELTER AT GROUND LEVEL. COLOUR TO BE 'PALE EUCALYPT'.
2. NEW OPTUS EQUIPMENT SHELTER TO BE SUPPORTED ON Ø600 CONCRETE PIERS.
3. SITE WIND SPEED IS 3.0.

THIS SITE SHALL BE LINKED TO THE NETWORK VIA OPTIC FIBRE.

RET CONTROL FOR THIS SITE TO BE INSTALLED AS PER OPTUS (0M38040) RET/MHA DEPLOYMENT GUIDE LATEST REVISION.

1. SITE ACCESS IS AS PER SHOWN ON DRG. P8311-G2.

01	10.10.17	NOT FOR CONSTRUCTION (eJV GREENFIELD)	SSMC	JM	--	--		DP
Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier		Approver



Client:



Project:

Project: **MOBILE NETWORK
AUSTRALIA
SITE No:- P8311
GOOSEBERRY HILL
42 LEDGER ROAD, GOOSEBERRY HILL**

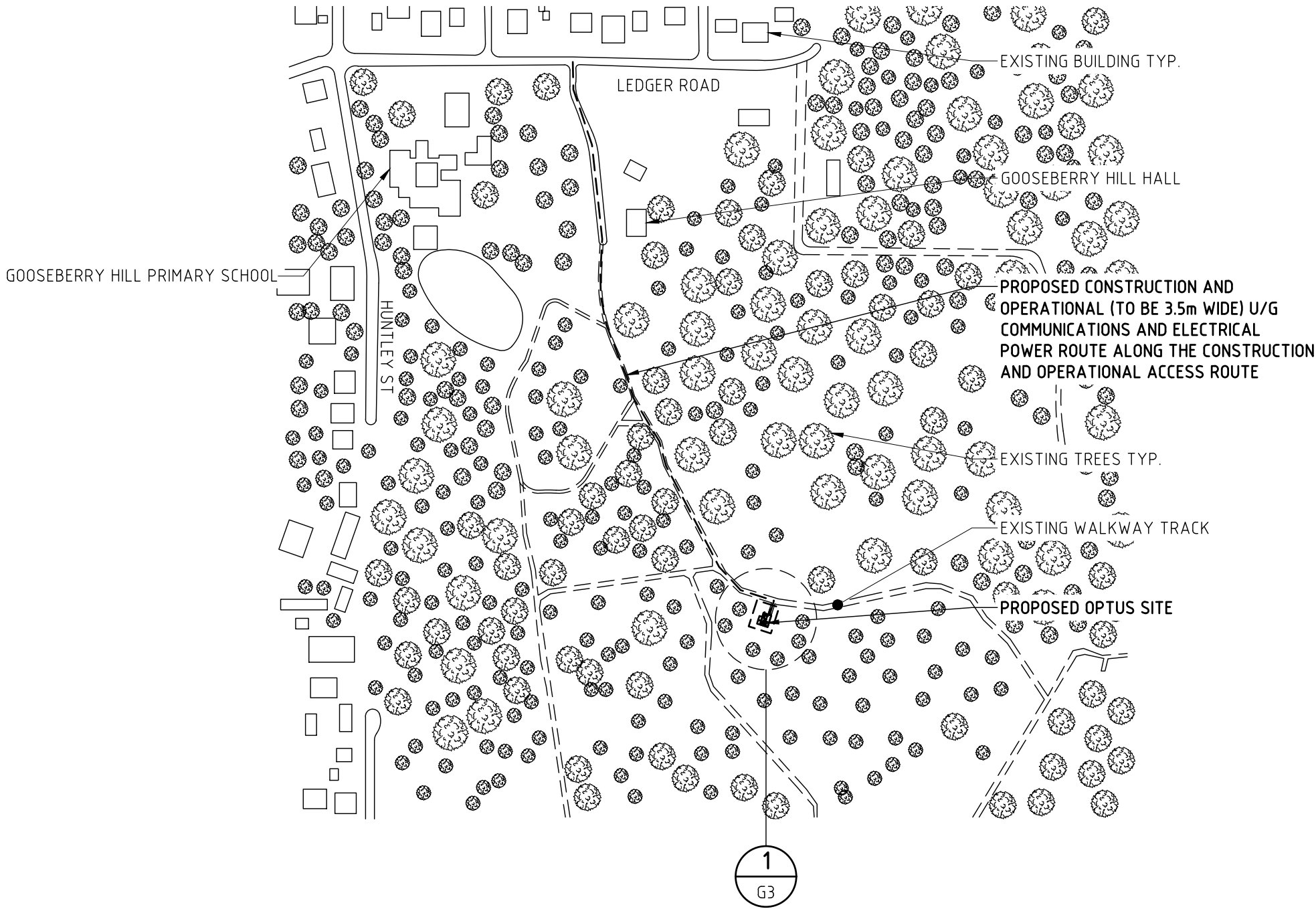
Drawing Title:

SITE SPECIFICATIONS

Drawing Status:

NOT FOR CONSTRUCTION P8311-G1

Revision
01



NOTES:

- 1. ALL INFORMATION TO BE CHECKED ON SITE PRIOR TO FABRICATION AND CONSTRUCTION.
- 2. DRAWINGS BASED ON INFORMATION PROVIDED BY OTHERS.
- 3. CONSTRUCTION CONTRACTOR TO CONFIRM SUITABILITY OF PROPOSED EWP SET-UP/PARKING LOCATION ON SITE PRIOR TO WORK COMMENCING.
- 4. SERVICES INFORMATION CONTAINED ON THIS DRAWING IS INDICATIVE ONLY AND REFERENCE SHOULD BE MADE TO THE AUTHORITIES DRAWINGS TO CONFIRM ACCURACY AND COMPLETENESS. WHERE INFORMATION IS AVAILABLE, THE SUB-SURFACE SERVICES INSTALLED BY AGENTS OTHER THAN AUTHORITIES HAVE BEEN SHOWN, BUT ADDITIONAL UNDOCUMENTED SERVICES MAY BE PRESENT. SHOULD THE CONTRACTOR BELIEVE THAT SUB-SURFACE SERVICES ARE AT RISK OF DAMAGE DURING CONSTRUCTION, THE CONTRACTOR SHOULD NOTIFY THE RELEVANT AUTHORITIES AND ESTABLISH THE EXACT LOCATION OF THE SERVICES.

LEGEND

- PROPERTY BOUNDARY
- OPTUS FIBRE OPTIC
- PROPOSED CONSTRUCTION AND OPERATIONAL ACCESS ROUTE, U/G COMMUNICATIONS AND ELECTRICAL POWER ROUTE
- FENCE LINE

OVERALL SITE PLAN

SCALE 1:5000

Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver
01	10.10.17	NOT FOR CONSTRUCTION (eJV GREENFIELD)	SSMC	JM	--	--	DP

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Client:

Project:

MOBILE NETWORK AUSTRALIA
SITE No:- P8311
GOOSEBERRY HILL
42 LEDGER ROAD, GOOSEBERRY HILL

Drawing Title:

OVERALL SITE PLAN

Drawing Status:

NOT FOR CONSTRUCTION

Drawing No.

P8311-G2

Revision

01



PROPOSED OPTUS U/G COMMUNICATIONS AND ELECTRICAL POWER ROUTE ALONG THE CONSTRUCTION AND OPERATIONAL ACCESS ROUTE

PROPOSED CONSTRUCTION AND OPERATIONAL ACCESS ROUTE (TO BE 3.5m WIDE) OVER EXISTING ACCESS TRACK

PROPOSED OPTUS EARTHING (4 OFF) TYP.

PROPOSED OPTUS FIBRE ROUTE

PROPOSED OPTUS EQUIPMENT SHELTER

PROPOSED OPTUS 450mm WIDE ELEVATED CABLE LADDER WITH SUPPORT POST

PROPOSED VHA 12 PORT PANEL ANTENNAS (3 OFF, CELLS 11-V, 21-V & 31-V)

PROPOSED OPTUS/VHA RRU'S (36 OFF) TYP.

PROPOSED OPTUS 40m HIGH MONOPOLE

PROPOSED OPTUS CIRCULAR HEADFRAME

MGA ZONE	50
E	4 11 118
N	6 463 579
AT	€ MONOPOLE

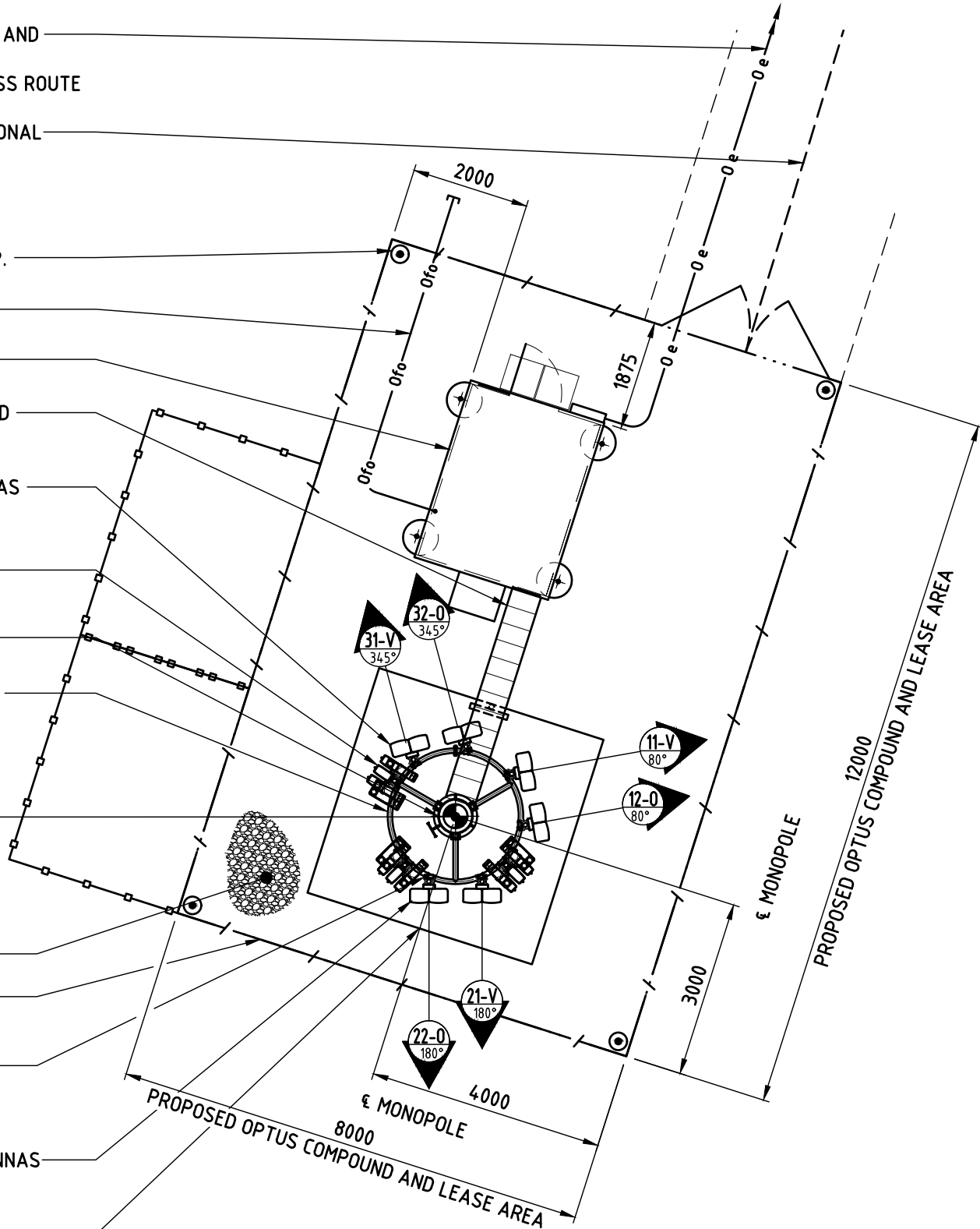
PROPOSED GRAVEL GROUND COVER

PROPOSED OPTUS 2.4m HIGH SECURITY FENCE WITH DOUBLE ACCESS GATES

PROPOSED OPTUS COMBINERS AND DIPLEXERS TO BE INSTALLED BEHIND THE PROPOSED PANEL ANTENNAS

PROPOSED OPTUS 12 PORT PANEL ANTENNAS (3 OFF, CELLS 12-0, 22-0 & 32-0)

PROPOSED OPTUS MONOPOLE FOOTING (SIZE TBC)



DETAIL
SCALE 1:100

NOTES:

1. REFER TO DRAWING P8311-A1 FOR ANTENNA SYSTEM CONFIGURATION.
2. TOTAL FEEDER: NEW XX 5-50 (XX OFF PER SECTOR) AND TRUNK CABLES 6 OFF (2 OFF PER SECTOR) TO RUN INTERNALLY TO MONOPOLE AND TERMINATED ON HORIZONTAL 450mm WIDE ELEVATED CABLE LADDER.
3. ALL INFORMATION TO BE CHECKED ON SITE PRIOR TO FABRICATION AND CONSTRUCTION.

LEGEND

---	PROPERTY BOUNDARY
0fo 0fo	OPTUS FIBRE OPTIC
---	PROPOSED CONSTRUCTION AND OPERATIONAL ACCESS ROUTE
0e 0e	OPTUS U/G COMMUNICATIONS AND ELECTRICAL POWER ROUTE
/ /	FENCE LINE
ID AZI°	NEW OR REPLACE

Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver
01	10.10.17	NOT FOR CONSTRUCTION (eJV GREENFIELD)	SSMC	JM	--	--	DP



Client:



Project:

MOBILE NETWORK AUSTRALIA
SITE No:- P8311
GOOSEBERRY HILL
42 LEDGER ROAD, GOOSEBERRY HILL

Drawing Title:

SITE LAYOUT AND SETOUT PLAN

Drawing Status:

NOT FOR CONSTRUCTION

Drawing No.

P8311-G3

Revision

01



TOTAL EXCISION AREA
21m x 15m

OPTUS U/G POWER
CABLE RUNS 600mm
TO 700mm BELOW
GROUND LEVEL VIA
50mm DIAMETER
CONDUIT

NOTES:

1. REFER TO DRAWING P8311-A1 FOR ANTENNA SYSTEM CONFIGURATION.
2. ALL INFORMATION TO BE CHECKED ON SITE PRIOR TO FABRICATION AND CONSTRUCTION.

LEGEND

- PROPERTY BOUNDARY
- OPTUS FIBRE OPTIC
- PROPOSED CONSTRUCTION AND OPERATIONAL ACCESS ROUTE
- OPTUS U/G COMMUNICATIONS AND ELECTRICAL POWER ROUTE
- FENCE LINE



PROPOSED OPTUS 3m
WIDE ACCESS TRACK

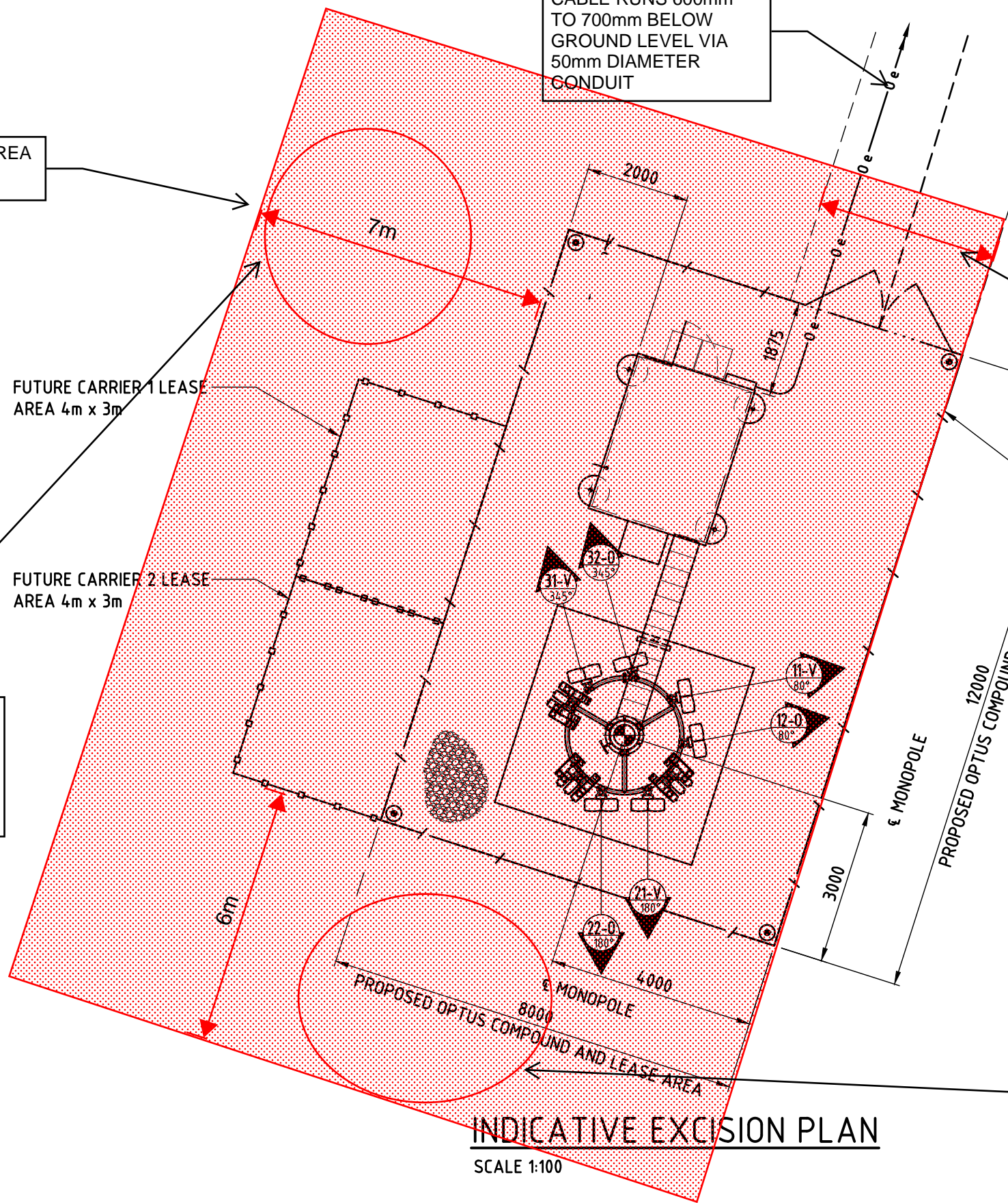
PROPOSED OPTUS LEASE
AREA 12m x 8m

OPTUS
CONSTRUCTION
MATERIAL AND PLANT
OPERATING AREA.
EXISTING SHRUBS TO
BE CLEARED

OPTUS
CONSTRUCTION
MATERIAL AND PLANT
OPERATING AREA.
EXISTING SHRUBS TO
BE CLEARED

FUTURE CARRIER 1 LEASE
AREA 4m x 3m

FUTURE CARRIER 2 LEASE
AREA 4m x 3m



INDICATIVE EXCISION PLAN

SCALE 1:100

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Client:
Project: MOBILE NETWORK AUSTRALIA
SITE No:- P8311
GOOSEBERRY HILL
42 LEDGER ROAD, GOOSEBERRY HILL

Drawing Title:
INDICATIVE EXCISION PLAN

Drawing Status: NOT FOR CONSTRUCTION
Drawing No. P8311-G3A
Revision 01

1. REFER TO DRAWING P8311-G1 FOR SITE SPECIFIC NOTES.
2. REFER TO DRAWING P8311-A1 FOR PANEL ANTENNA DETAILS
3. THIS DRAWING IS DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED.
4. ALL INFORMATION TO BE CHECKED ON SITE PRIOR TO FABRICATION AND CONSTRUCTION.



Revision	01
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SCALE 1:1000

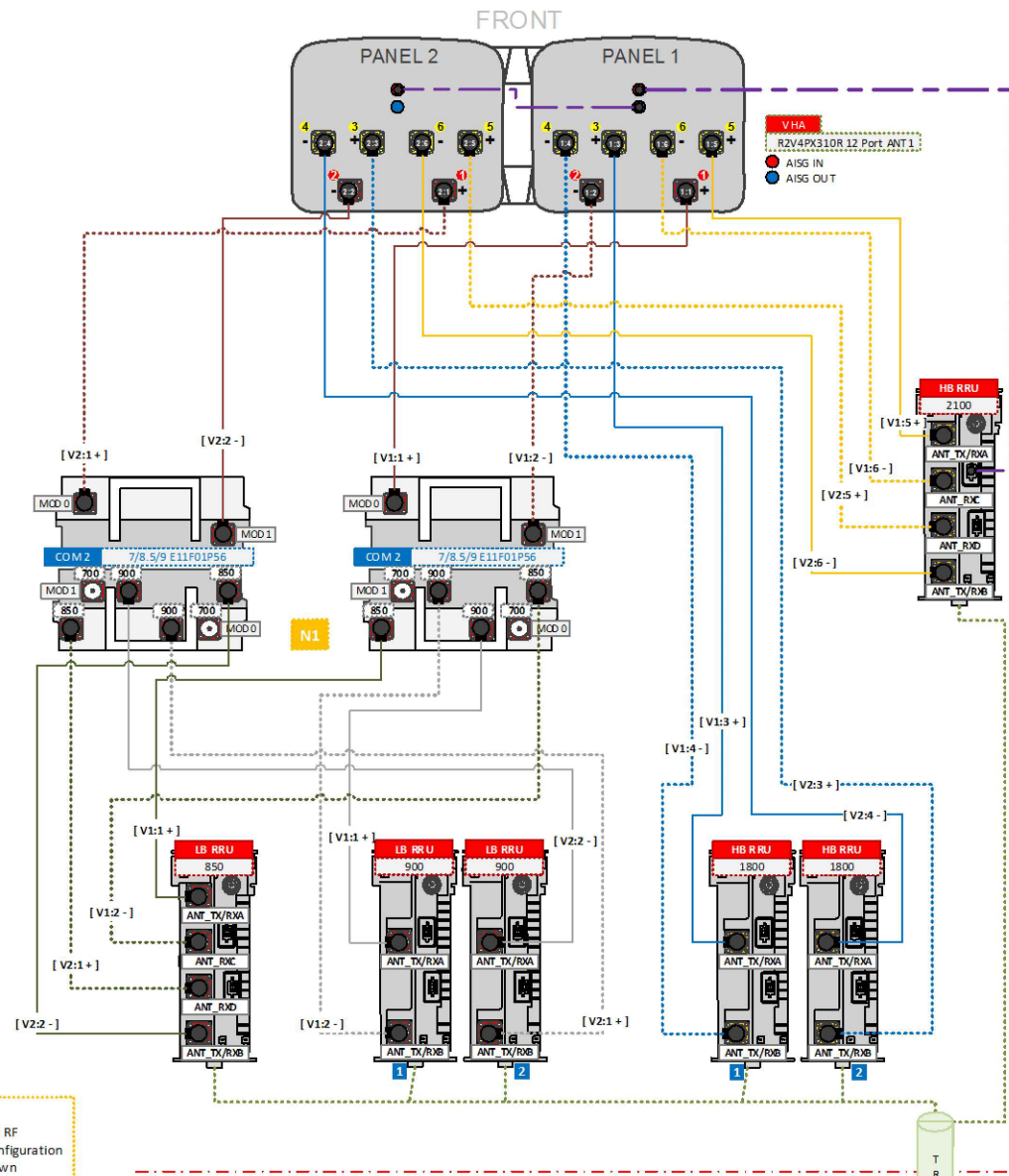
01

ANTENNA	OPERATOR	OPTUS						OPTUS						OPTUS					
	SECTOR	SECTOR 1						SECTOR 2						SECTOR 3					
	IDENTITY N° (SAO)	11-O						21-O						31-O					
	STATUS	NEW						NEW						NEW					
	AZIMUTH (° TN)	80° TN						180° TN						345° TN					
	EL C/L ANTENNA	40.00m						40.00m						40.00m					
	CO-ORDINATES (NOTE 2)	E 411 118			N 6 463 579			E 411 118			N 6 463 579			E 411 118			N 6 463 579		
	ELECTRICAL TILT (°)	6°	6°	4°	4°	4°	4°	4°	4°	2°	2°	2°	2°	6°	6°	4°	4°	4°	4°
	RET	YES						YES						YES					
	MAKE & MODEL	ARGUS R2V4PX310R						ARGUS R2V4PX310R						ARGUS R2V4PX310R					
DIMENSIONS (H x W x D)	2490 x 641 x 244						2490 x 641 x 244						2490 x 641 x 244						
PORTS	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	
PORT USER	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	OPTUS	
FREQUENCY BANDS	700	700/900	1800/2100/2300		2300		700	700/900	1800/2100/2300		2300		700	700/900	1800/2100/2300		2300		
ANCILLARIES	MHA	-						-						-					
	COMBINER / DIPLEXER	2 x COM2						2 x COM2						2 x COM2					
	RRU / RF MODULES	1x3942 RRU(850), 2x3936 RRU(900), 2x3929 RRU(1800), 1x3832 RRU(2100)						1x3942 RRU(850), 2x3936 RRU(900), 2x3929 RRU(1800), 1x3832 RRU(2100)						1x3942 RRU(850), 2x3936 RRU(900), 2x3929 RRU(1800), 1x3832 RRU(2100)					
COAXIAL FEEDERS	STATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	TECHNOLOGIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	QUANTITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	DESIGNATION (SIZE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ESTIMATED LENGTH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRUNK CABLES	STATUS	NEW																	
	TECHNOLOGIES	700/1800/2100/2300/2600																	
	QUANTITY	6																	
	MAKE & MODEL (SIZE)	HUBER & SUNNER 6/12 (MLEH)																	
	NO. OF DC / SMF PAIRS	-																	
	ESTIMATED LENGTH	50m																	
	OTHER	-																	

ANTENNA	OPERATOR SECTOR	VODAFONE SECTOR 1						VODAFONE SECTOR 2						VODAFONE SECTOR 3					
	IDENTITY N° (SAO)	12-V						22-V						32-V					
	STATUS	NEW						NEW						NEW					
	AZIMUTH (° TN)	80° TN						180° TN						345° TN					
	EL C/L ANTENNA	40.00m						40.00m						40.00m					
	CO-ORDINATES (NOTE 2)	E 411 118			N 6 463 579			E 411 118			N 6 463 579			E 411 118			N 6 463 579		
	ELECTRICAL TILT (°)	6°	6°	4°	4°	4°	4°	4°	2°	2°	2°	2°	6°	6°	4°	4°	4°	4°	
	RET	YES						YES						YES					
	MAKE & MODEL	ARGUS R2V4PX310R						ARGUS R2V4PX310R						ARGUS R2V4PX310R					
	DIMENSIONS (H x W x D)	2490 x 641 x 244						2490 x 641 x 244						2490 x 641 x 244					
PORTS	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	1 & 2	3 & 4	5 & 6	7 & 8	9 & 10	11 & 12	
PORT USER	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	VHA	
FREQUENCY BANDS	850/900	850/900	1800	1800	2100	2100	850/900	850/900	1800	1800	2100	2100	850/900	850/900	1800	1800	2100	2100	
ANCILLARIES	MHA	-						-						-					
	COMBINER / DIPLEXER	2 x COM2a, 2 x COM3						2 x COM2a, 2 x COM3						2 x COM2a, 2 x COM3					
	RRU / RF MODULES	1 x FRPA RRU (700), 1 x FXDB RRU (900), 1 x FXEB RRU (1800), 1 x FRGF RRU (2100), 1 x FZNI RRU (2300), 1 x FUTURE RRU						1 x FRPA RRU (700), 1 x FXDB RRU (900), 1 x FXEB RRU (1800), 1 x FRGF RRU (2100), 1 x FZNI RRU (2300), 1 x FUTURE RRU						1 x FRPA RRU (700), 1 x FXDB RRU (900), 1 x FXEB RRU (1800), 1 x FRGF RRU (2100), 1 x FZNI RRU (2300), 1 x FUTURE RRU					
COAXIAL FEEDERS	STATUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	TECHNOLOGIES	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	QUANTITY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	DESIGNATION (SIZE)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ESTIMATED LENGTH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
TRUNK CABLES	STATUS	NEW																	
	TECHNOLOGIES	700/1800/2100/2300/2600																	
	QUANTITY	6																	
	MAKE & MODEL (SIZE)	HUBER & SUNNER 6/12 (MLEH)																	
	NO. OF DC / SMF PAIRS	-																	
	ESTIMATED LENGTH	50m																	
	OTHER	-																	

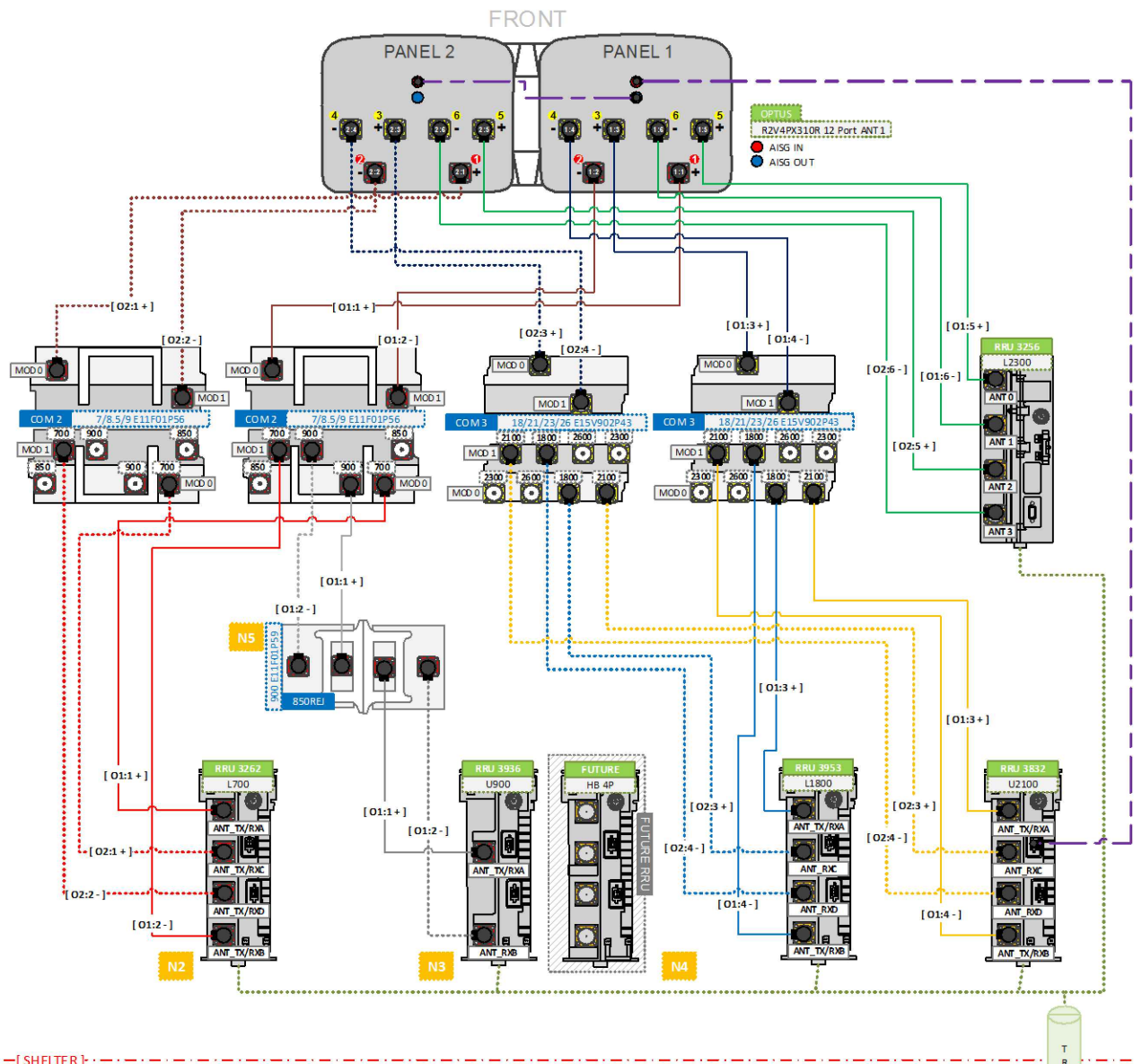
ANCILLARY	EQUIPMENT CODE	MANUFACTURER	MANUFACTURER PRODUCT CODE	TECHNOLOGY FREQUENCIES	DIMENSIONS (mm x mm x mm)	WEIGHT (kg)
RRU	(RF MODULE UNO)	NSN	FRPA	700	560 x 447 x 133	25
			FXDB	900	560 x 447 x 133	25
			FXEB	1800	560 x 447 x 133	25
			FRGF	2100	560 x 447 x 133	25
		HUAWEI	FZNI (RRH)	2300	450 x 350 x 160	17
			3942	850	485 x 380 x 170	25
			3936	900	400 x 300 x 100	13,5
			3929	1800	485 x 380 x 170	25
COMBINER DIPLEXER	COM2	COMMSCOPE	E11F01P56	700/850/900	337 x 216.6 x 142	12,5
	COM2a	TONGYU	TYT-C003D001	700/900	173 x 144 x 120	7
	COM3	COMMSCOPE	E15V90P43	1800 / 2100 / 2300 / 2600	260 x 210 x 120	9

ANTENNA LEGEND



- NOTES**
- N1. VHA Plumbing, inline RF components and BBU configuration may differ to what is shown
 - N2. L700 to be designed and deployed as 2 x 2p RRU (2T4R) until 1 x 4p RRU is available in approx Jan-2016
 - N3. U9 2T2R RRU Config Options:
 - RRU 3936 (2P 1T2R) - NOW
 - RRU 3959 (2P 2T2R) - DEC 15
 - N4. Future HB RRU will be deployed once L700 is consolidated to 1 x 4p RRU.
 - N5. 850 REJ Filter only required on Huawei RRU and to be deployed on sites where Optus is Co Sited with Telstra or Telstra Antennas are in close proximity.

VHA RF PLUMBING DIAGRAM
PER SECTOR



Optus RF PLUMBING DIAGRAM
PER SECTOR

NOTE:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH DRAWING P8311-A1.

Rev	Date	Revision Details	Consultant	CAD	Designer	Verifier	Approver
01	10.10.17	NOT FOR CONSTRUCTION (eJV GREENFIELD)	SSMC	JM	--	--	DP

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Client:

Project:

MOBILE NETWORK AUSTRALIA
SITE No:- P8311
GOOSEBERRY HILL
42 LEDGER ROAD, GOOSEBERRY HILL

Drawing Title:

RF PLUMBING DIAGRAM

Drawing Status:

NOT FOR CONSTRUCTION

Drawing No.

P8311-A2

Revision

01

1. INTERNATIONAL COMMUNICATIONS SHELTERS (ICS) VOS 1.3 SANDWICH PANEL SHELTER, COLOURED COLORBOND 'PALE EUCALYPT'.
2. THIS DRAWING IS DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED.



Drawing Title:		
EQUIPMENT SHELTER LAYOUT PLAN		
Drawing Status:	Drawing No.	Revision
NOT FOR CONSTRUCTION	P8311-F1	01

10.1.6. Function Room Audio Visual Upgrade

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	N/A
Directorate	Corporate Services
Business Unit	Information Technology
File Reference	IM-CPS-002
Applicant	N/A
Owner	N/A

Attachments 1. Kalamunda Briefing [10.1.6.1]

EXECUTIVE SUMMARY

1. The purpose of this report is to provide Councillors with an update on the proposed upgrade of audio-visual facilities in the function room at the City of Kalamunda Administration Centre.
2. In October 2017, an 84-inch commercial television was installed in the Council Chambers to assist members with viewing agenda items and reports at a cost of \$13,100.
3. Since the Council elections last year, Council has been conducting Public Agenda Briefing Sessions in the function room, providing enhanced community engagement opportunities.
4. The City has been investigating the cost and efficacy of upgrading the audio-visual service for the function room and from those investigations it is estimated that a budget of \$65,000 to \$70,000 is required, this is not inclusive of fees for professional services, builder's works, electrical and programming works to install the equipment.
5. It is recommended that Council conduct the Public Agenda Briefing Sessions in the Council Chambers which has a hearing induction loop system supporting the City's legislative requirements under the *Disability Discrimination Act 1992 (Cth)*.

BACKGROUND

6. The current audio-visual system operating in the function room is non-compliant with current disability standards due to the lack of a hearing impairment induction loop in the function room.
7. The current audio-visual system within the function room has a number of operational limitations when conducting Public Agenda Briefing sessions. These issues relate to:
 - a) Microphone feedback compromising the sound quality;
 - b) Limited visual aids for the community;
 - c) Using manual workarounds to improve the sound quality within the function room.

8. The consultant estimated that the upgrade to the function room would require a budget of \$65,000 to \$70,000 not including fees for professional services, builder's works, electrical and programming works to install the equipment.
9. Upgrading the function room would allow greater use of the function room for:
 - a) Public Agenda Briefing Sessions;
 - b) To provide overflow capability when required for Council meetings held in Council Chambers;
 - c) As a general meeting area, used for internal staff meetings, meetings with external stakeholders, and formal functions such as citizenship ceremonies.
 - d) Use as an incident management centre to coordinate with other authorities during emergency incidents

DETAILS

10. The audio-visual consultant's report provided the following findings:
 - a) Public Agenda Briefing Sessions. The current audio-visual environment needs to be upgraded significantly to be suitable for Public Briefing Meetings. The following will need to be undertaken:
 - i. An upgrade of the current projector and screen to allow all Councillors and members of the public to view agenda items and presentations no matter where they sit in the function room;
 - ii. The implementation and installation of microphones into the function room for the use of Councillors, CEO, Directors and for the public gallery. This system will also record audio as per Council Chambers.
 - iii. To meet legislative disability requirements, the hearing-impaired induction loop must be extended from Council Chambers into the function room and must cover at least 80% of the function room area.
 - b) General Usage. The audio-visual environment while not entirely fit for purpose for all uses is sufficient for use as an overflow area for Council Chambers as required, as a general meeting area, and as an incident management centre. To improve the function room for general usage meetings the following will need to be undertaken:
 - i. The purchase and installation of two new projectors and projector screens. This will improve the quality and resolution of picture of the projectors in the function room.
 - ii. These improvements will be undertaken overtime as part of the City's yearly budgeting process.

STATUTORY AND LEGAL CONSIDERATIONS

11. *Section 31(1) of the Disability Discrimination Act 1992 (Cth).*

Section D3.7(1)(a) of the Disability (Access to Premises – Buildings) Standards 2010 – Hearing augmentation.

Section D3.7(2)(a) of the Disability (Access to Premises – Buildings) Standards 2010 – Hearing augmentation.

POLICY CONSIDERATIONS

12. Nil.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

13. Business units within the City.

External Referrals

14. Hewshott International Audio-Visual Consultancy.

FINANCIAL CONSIDERATIONS

15. The estimated budget to deliver an audio-visual system suitable for Public Agenda Briefing Meetings has been estimated between the range of \$65 000 to \$70 000 for equipment alone and is exclusive of professional fees, builders works and electrical and programming works.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

16. *Kalamunda Advancing Strategic Community Plan to 2027*

Priority 4: Kalamunda Leads

Objective 4.1 - To provide leadership through transparent governance.

Strategy 4.1.2 - Build an effective and efficient service based organisation.

SUSTAINABILITY

Social Implications

17. Nil.

Economic Implications

18. Nil.

Environmental Implications

19. Nil.

RISK MANAGEMENT CONSIDERATIONS

20.	Risk: Public Briefing Meetings may not currently be compliant with Disability Standards which determine hearing impairment standards.		
	Likelihood	Consequence	Rating
	Almost Certain	Moderate	High
	Action/Strategy		
	Hold Public Agenda Briefing Sessions in Council Chambers until such time, the Administration Building Function Room is made compliant.		

OFFICER COMMENT

21. Conducting Public Agenda Briefing Sessions provides enhanced community engagement opportunities.
22. The current location of the Public Agenda Briefing Sessions is non-compliant with disability standards as prescribed under *Disability (Access to Premises – Buildings) Standards 2010 – Hearing augmentation*.
23. Investigations conducted by the City using an audio-visual consultant has confirmed that the estimated costs for upgrading the Function Room audio visual capability are approximately \$65,000 to \$70,000 exclusive of GST, professional fees, builders works and electrical and programming works.
24. It is prudent to consider any upgrades to the function room incrementally within current budget constraints. The current cost of providing briefing sessions in the function room entails hire of technical support and microphone facilities at around \$350 per session as well as staff time of 5.5 hours or \$250 to setup and pack away.
25. Returning the Public Agenda Briefing Sessions to the Council Chambers will satisfy prescribed Disability Standards and can be carried out within current budget parameters.

Voting Requirements: Simple Majority

RECOMMENDATION

It is recommended that Council:

1. Move the Public Agenda Briefing Sessions to Council Chambers which has a hearing induction loop system supporting the City's legislative requirements under the *Disability Discrimination Act 1992 (Cth)*.

Hewshott

International

INDEPENDENT CONSULTANTS

AUDIO VISUAL

VIDEO CONFERENCING

ACOUSTICS

STRATEGIC PLANNING

PROJECT MANAGEMENT

1805a/CB

21 March 2018

UK
USA
Singapore
Hong Kong
Australia
India

City of Kalamunda

AV systems – briefing – Rev2

1 Introduction

This document is a reverse brief which seeks to establish the requirements for the large divisible meeting space, adjacent to the council chamber at the City of Kalamunda.

This is not a design document because the intent is to define the outcome from a user perspective.

Technical language has been deliberately avoided to ensure this document can be understood by non-technical people, thus it describes the functional use of the space, not the technical design.

The City of Kalamunda is invited to comment on this brief to ensure the vision contained in it is accurate and can be referred to throughout, but especially at the end of the delivery of the system to ensure the aims are met.

In preparing this report, Hewshott International met with representatives from the City's IT department on Friday 16th February during which the functional requirements of the space were discussed and captured.

Currently there is a mixture of audio visual technology in the room that is used to support functions in the room, however there is a mixture of old and new technology, and these are cumbersome to operate and in some cases outdated.



2 Purpose of the space

There are three primary uses of the meeting room area:

1. As an overflow to the council chamber so as to relay the proceedings within the council chamber to an audience that is larger than the council chamber can accommodate.
2. As a formal council meeting facility with a portion set aside for the general public to be seated.
3. As a general meeting area used for a variety of events including citizenship ceremonies, formal presentations, internal staff and external stakeholder meetings.

It is important to retain the divisible nature of the room, albeit in full knowledge that the partition between the rooms offers little acoustic privacy. This means some duplication of facilities between the two rooms.

2.1 Council Meetings

When the room is used as a council chamber, it is expected that the partition will be open, with the rear of the larger room being used as a public gallery.

2.1.1 Sound

During the council meeting, all sound is to be captured and recorded as well as relayed throughout the room to all the other members of the council and the public gallery. This must be simultaneously, clearly and seamlessly so that no one is disadvantaged in any way.

A key deliverable is that everyone in the room, including the public gallery, hears the same information at the same time, thus clarity is very important. This shall be achieved by using microphones, one for each of the participants in the formal meeting, utilising the structured conduct of the meeting to govern the number of microphones that are on at the same time. Each microphone 'unit' also has a built-in speaker that re-transmits all sound except for the person's own voice who is speaking.

To assist this process, it is expected that microphones will have a 'press to talk' function that lights up when the microphone is live, thus indicating to the councillor that they will be heard when they speak. Limiting the number of microphones that are on at the same time will assist with running the meeting, but also ensure there is high quality and clarity.

The number of microphones open at once can be set up during the system commissioning, however it is expected that this will be between 3 and 5





microphone channels at once. Ultimate control is provided to the meeting chair who can mute all channels and activate their own microphone, as required.

The public gallery shall similarly have microphones, not just to enable any questions to be captured by the recording, but also to relay the question throughout the room so that everyone hears it. It is expected that these will be hand-held radio operated devices and passed to those that wish to be heard, thus enhancing the level of control over the meeting.

All microphones shall be immune from external interference, especially from mobile phones and other spurious radio frequencies that are present from time to time.

Although wireless systems exist, it is preferable to have this as a wired system for reliability purposes. This will involve some cabling and setting up, however a set-up process exists with a wireless system too, so the benefit of a wireless system is marginal, and as reliability is key, it may be better to have a wired system.

Additionally, if the Council Chamber is to be refurbished, the delegate microphone system would be permanently installed. For a permanently installed system in a dedicated environment, wireless provides no benefit.

The sound is to be recorded as a permanent record of the meeting in a solid-state format such as a PC. This will have the benefit of ensuring the recording can be centrally stored and functions such as backing up are managed according to standard operating models within the City's IT policies.

The sound from the microphones will be relayed throughout the room using a combination of ceiling speakers and localised desk speakers that are contained within the microphone control unit. A key deliverable is that every seat can hear the proceedings clearly. This includes the public gallery hand-held microphones – they must be heard by the councillors and throughout the public gallery at the same time. Volume for the ceiling speakers is to be provided independent of the delegate speakers contained in the microphone unit.

A lectern has been used in this room for more formal engagements, and this functionality is to be retained. The current hard-wired lectern microphone should be replaced with one that has better control before feedback, and the sound will be relayed via the ceiling speakers.

There does not seem to be a need for front speakers as the ceiling speakers will be more than sufficient. When the partition is in place, the ceiling speaker system is split into two and each room will relay the sound relevant to that room. In the case of the smaller (front) room, this will be sound associated with video on the screen, but in the larger (rear) room, this can also be from microphones if required as this room is larger.

Current DDA legislation requires a system to be implemented to assist hard of hearing people. Usually this is an induction loop with a minimum of 80% effective coverage of the room(s). Alternative systems exist using infrared, and this is a better solution for these two rooms. For IR systems, the effective coverage

increases to 95%. The solution is one or more IR transmitters in each room, and the legislation only applies if amplified voice is being used, so they are only required for speech. When the rooms are divided, the physical barrier of the dividing wall will also interrupt the IR beams, assisting separation that is usually difficult to achieve with magnetic loops under the carpet.

2.1.2 Video

There is a requirement to show material from a PC within the council meetings, and this is to be visible to everyone in the room, including the public gallery. Whilst there may be other devices that can provide material to be displayed (such as cameras, mobile phones/tablets etc.), the preference is to assemble all the material ahead of the meeting, thus avoiding any ad-hoc presentation material being required without prior notice.

A local PC with a USB socket would service both pre-assembled material, as well as provide some accommodation for material that arrives late. Additionally, provision can be made for a guest with their own laptop to be displayed via an HDMI socket.

A PC would be able to handle any video material, both moving video, photographs and PC generated material such as slideshows, documents and spreadsheets. Any sound would be relayed through the speakers and recorded as part of the complete audio in the room.

The display of this material would be via a large format screen located at the Council Chamber end of the room. The ceiling is at a standard height of 2.7m, and this will govern how large the screen can be before the bottom of the screen is lost.

The maximum height of the screen will be 1500mm, making it 1200mm off the floor. This means that the bottom of the screen can be seen above people's heads when they are seated. Even at this size, the maximum viewing distance (according to Avixa standards) is 10.5m and this room is around 17m long.



Increasing the screen size to 1615 gets an additional 0.7m, so whilst this is marginal, it's achievable within the available space on the wall. This makes the screen 2585 wide, which is wider than the current screen installed.



Ultimately the screen is too small for people to see from any distance greater than 11.7m from the screen. The only way to overcome this is to place repeat monitors on the side wall. Unfortunately there is no natural location on the existing walls to locate these screens, so it may be this is a limitation that has to be accepted as a compromise.

The current side monitors are too small to show any material in detail, and ultimately would serve no purpose as any video from the Council Chamber would be shown on the large screen when this room is used as an overflow room. It is recommended that these are removed and used elsewhere.

There is a second projector that is relatively low powered, with the screen located just inside the divisible partition to service the second room. This screen is an old format (4:3) and should be replaced with a wide-screen format, and the projector should be replaced with a higher brightness, 16:10 format.

2.1.3 Sources

The sources of video that will be displayed on the large screen are as follows:

- Local PC – a small form PC that is permanently assigned to this room and operated using a wireless keyboard and mouse. The USB port shall be extended so it is accessible from within the room without having to go to the equipment rack. This would apply to both rooms – two PCs in total.
- Local input point – an HDMI input located in the wall near to the projector screen so a user can plug in a local laptop. For the smaller room, a plug-in point would be provided on one of the side walls. Both signals shall be configured so they can be displayed on the large screen.
- Council Chamber – a switched or picture in picture feed from the council chamber for when the room is used as an overflow. The system must be able to accommodate any future upgrade of the Council Chamber.
- TV – Free to Air TV from a dedicated receiver will be available to the main screen. The second screen in the rear room will also have a TV receiver, but this will not be accessible when the partition is opened up.

2.2 General meetings/town hall

The second function of the space is for general meetings that include internal staff meetings, external stakeholder meetings, formal presentations and special events such as citizenship ceremonies. Additionally, this space can be used for crisis management during emergencies such as bushfires where external agencies including emergency services will come in and use the space.

2.2.1 Sound

The functional requirements for sound in this room are similar to those detailed for the council chamber. The same ceiling speakers will be used for both rooms, however the smaller room is unlikely to need sound reinforcement for voice due to



its size. It will, however, require sound to accompany any video that's shown on the main screen.

Switching is required to ensure the sound is relayed appropriately depending on the status of the partition.

It is worth noting that the divisible partition between the rooms offers very little sound attenuation and as such there will be limitations on the functional use of both rooms together.

The lectern should be useable in both rooms individually, and when the partition is opened up.

2.2.2 *Video*

As discussed in the Council Chamber set up, a single large format screen will be required in the smaller room with a projector in the ceiling. Video material will be shown on this screen from a local PC plug-in point that will be provided.

The second half of the room also requires video material to be seen. Currently this uses a dedicated drop-down screen and projector that is just inside the divisible partition.

As discussed in the previous section, the projection screen is an obsolete format (4:3) and should be replaced with a 16:10 format screen and a projector that's also native to this ratio.

2.2.3 *Sources*

A local plug-in point is required for a PC for each room – all video material can originate from a PC, including DVD/Blu Ray. Audio from this PC will be relayed throughout the room using the ceiling speakers.

The lectern can be used in this room, and an allowance for a plug-in point for a microphone shall be made.

The only other source that is to be made available is local Free-To-Air TV, one tuner for each room.

2.3 Combined mode and control

Whenever the rooms are combined, the smaller room (closest to the council chamber) shall be the dominant room, with the smaller room being a slave room.

This means that sources such as TV will be derived from the larger room, including audio. The TV tuner in the smaller room won't be used when the room is opened up, however the PC inputs in that room can be incorporated so that this source can be displayed.



A simple, wall mounted control system will provide users with a single interface with the AV system and this needs to be very straight forward and easy to use by non-trained people. This can be a custom panel, or an iPad – both are equally effective.



Two control panels are required as the two rooms have to be operable individually, but when combined they will operate as a single control panel, mimicking each other.

A permanent in-wall system is preferred to a RF based (WiFi) solution.

An 'auto off' function will be programmed into the system so that it is not left on for long periods accidentally.

2.4 Equipment housing

A central rack is recommended to house all of the equipment, including making an allowance now for any potential upgrade of the Council Chamber in the future.

A location has been identified as the preferred space, which is the store room at the reception end of the room. Unfortunately this is not air conditioned, so it will be very important that the equipment does not stay on for any longer than required. Part of the control 'auto off' function described above will be to systematically shut down the equipment located in the rack. This will help avoid heat building up in the rack, which in turn will cause equipment to become damaged.

However, depending on the amount of use of these rooms, it will be necessary to monitor the heat build up, and if necessary provide a heat extract fan or supplementary air conditioning to this space.



3 Options

A number of options have been discussed and these are identified as follows:

3.1 Voting – optional.

No electronic voting is required as part of this solution, but will be requested in the tender documents as an optional extra.

3.2 Recording – provisioned.

Recording of proceedings is already handled via an existing set-up. It is possible this can be incorporated into the overall system requirements utilising the delegate conference system for the council meetings.

3.3 Recording indicator – provisioned.

It would be possible for a visual indicator to light up when the sessions are being recorded. This can act as a visual reminder to everyone that the proceedings are being recorded. The indicator can be as subtle as a small light recessed into the ceiling where everyone that needs to know is aware of what it is for. This is not deemed to be a requirement, but the infrastructure can be provided to support this in the future.

3.4 Links from the Council Chamber – required.

A discussion was had around linking the new system into the current council chamber. This will be possible as the council chamber video and audio are already fed into this room, so it will be a case of incorporating that feed into the new AV system in this room. Consideration has been given to accommodating any future upgrade of the council chamber AV system.

3.5 Streaming – not required.

No streaming of council or meeting proceedings is required.

3.6 Ad-hoc material – provisioned.

Due to the structured nature of the council meetings, it has been agreed that there is no provision within the system to accommodate ad-hoc pieces of material (video or audio) into a council meeting. All material will be loaded onto a common PC for display, and that PC is to be permanently mounted in the room.

3.7 Incident management – required.

Within the system there is an allowance for 2 additional plug-in points for PCs (one in each room) in addition to the two resident PCs permanently located in the room.

The system has been conceived to ensure all screens show the same material at the same time, and audio from this material is heard throughout the room.

Incident management sometimes demands more flexibility, so this can be built in within the constraints of the number of available inputs (3).



4 Budgets

In considering the budgets, it is worth discussing the options to re-use the larger projector (Hitachi) in the rear half of the room.

This projector is a native 16:10 (widescreen) unit but has lower resolution (1280 x 800). Native HD is 1920 x 1080, thus this projector is around 50% lower resolution compared with current technology. However, it is bright enough to service this room, and the City should consider the trade off between cost and a lower resolution in their deliberations. The unit was current in 2017, although it is not known if it will be superseded in 2018. To replace this unit would cost in the region of \$4000.

A preliminary budget of between \$65,000 and \$70,000 has been based on the following:

- Remove existing screens and projectors – reuse the large Hitachi projector in the rear room.
- New projector (c7000 lumens) in the front room; new drop down screens in both rooms recessed above the ceiling.
- New ceiling speakers, amplifiers, DSP.
- New wall plates for HDMI inputs, microphones.
- Video and audio matrix to distribute the signals.
- Control system with two dedicated wall mounted control panels.
- Cabled 20 delegate conference system.
- Cabling and labour to install the equipment.
- Programming.

Providing the solution in IP is likely to increase the cost, and this has been identified as the preferred solution.

This budget figure excludes professional fees, builders works, electrical and IT works and GST. During the design development to a final design, it is likely that some design and functional ratification can be achieved. Further price competitiveness will be achieved by through a tendering process.

10.2. Development Services Reports

10.2.1. Caravan Park Annual Licences 2018/2019

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	OCM 54/2015; OCM 112/2016; OCM 97/2017
Directorate	Development Services
Business Unit	Community Safety
File Reference	LE – LIC – 001
Applicant	Not Applicable
Owner	Not Applicable

Attachments	1. Caravan and Camping Grounds Inspections Brief [10.2.1.1]
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EXECUTIVE SUMMARY

1. The purpose of this report is to seek approval to renew the caravan park licences for the following premises:
 - a) Discovery Holiday Park
 - b) Forrestfield Caravan Park N Park Home Village
 - c) Hillview Lifestyle Village
 - d) Advent Park
2. The City inspected the above four operational caravan parks in March and April 2018. They are fully compliant with the Caravan Parks & Camping Grounds Act 1995 and the Caravan Parks & Camping Grounds Regulations 1997.
3. It is recommended that Council approve the renewal of the caravan park licences, subject to the receipt of the required licence fees, for:
 - a) Discovery Holiday Park
 - b) Forrestfield Caravan Park N Park Home Village
 - c) Hillview Lifestyle Village
 - d) Advent Park

BACKGROUND

4. The *Caravan Parks & Camping Grounds Act 1995* (Act) and the *Caravan Parks & Camping Grounds Regulations 1997* (Regulations) require that the Local Government annually inspects and licences all caravan parks within its municipality.
5. The City's Environmental Health Officers are all authorised persons under the Act and Regulations to inspect caravan parks but not to issue annual licences.
6. At its meeting on 26 June 2017 (OCM 97/2017) Council approved the renewal of the caravan park licences it administers, subject to the receipt of the required licence fees. The annual renewal of the licences for the following caravan parks is now due:
 - a) Discovery Holiday Park

- b) Forrestfield Caravan Park N Park Home Village
- c) Hillview Lifestyle Village
- d) Advent Park.

DETAILS

- 7. The Act and Regulations specify minimum standards that must be met by all caravan parks, further information on these standards is contained within Attachment 1
- 8. Currently there are four approved caravan parks operating within the City of Kalamunda:
 - a) Discovery Holiday Parks Perth at 186 Hale Road Forrestfield WA – approved in 2008 and comprises 55 Long Stay Sites, 33 Camp Sites and 63 Overflow Sites
 - b) Forrestfield Village at 353 Hawtin Road Forrestfield – approved in 1968 and comprises 53 Long Stay sites
 - c) Hillview Lifestyle at Village 597 Kalamunda Road High Wycombe – approved in 2006 and comprises 272 park home sites; and
 - d) Advent Park at 345 Kalamunda Road Maida Vale – approved in 2008 and comprises 35 caravan sites.

STATUTORY AND LEGAL CONSIDERATIONS

- 9. Section 6 of the *Caravan Park and Camping Grounds Act 1995*, makes it an offence for caravan parks and camping grounds to operate without a licence.
- 10. Section 7 of the *Caravan Park and Camping Grounds Act 1995* specifies that a local government may approve, refuse or transfer a caravan park or camping ground licence.

POLICY CONSIDERATIONS

- 11. Nil.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

- 12. Nil.

External Referrals

- 13. Nil.

FINANCIAL CONSIDERATIONS

- 14. Licence fees are based upon the number of sites and set under the Act and Regulations. The current fee is \$6 per site and \$3 per campsite and the annual fees applicable are as listed below:
 - a) Discovery Holiday Park – licence fee \$1309.50

- b) Forrestfield Caravan Park N Park Home Village - licence fee \$318
- c) Hillview Lifestyle Village – licence fee \$1632
- d) Advent Park – licence fee \$210.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

15. *Kalamunda Advancing Strategic Community Plan to 2027*

Priority 1: Kalamunda Cares and Interacts

Objective 1.2 - To provide a safe and healthy environment for community to enjoy.

Strategy - 1.2.1 Facilitate a safe community environment.

SUSTAINABILITY

Social Implications

16. Nil.

Economic Implications

17. Nil.

Environmental Implications

18. Nil.

RISK MANAGEMENT CONSIDERATIONS

19.	Risk: That the caravan parks operate without a licence or operate in a manner non-compliant with the licence.		
	Likelihood	Consequence	Rating
	Rare	Significant	Medium
	Action/Strategy		
	Council mitigates this risk by approving the officer recommendation. Additionally, there is an annual inspection program conducted by Council officers to ensure licencing conditions are met.		

OFFICER COMMENT

20. The City inspected all four operational caravan parks in March and April 2018. The caravan parks comply with the *Caravan Parks & Camping Grounds Act 1995* and the *Caravan Parks & Camping Grounds Regulations 1997*.

Voting Requirements: Simple Majority

RECOMMENDATION

That Council:

1. Approves the renewal of the caravan park licences, subject to the receipt of the required licence fees, for:
 - a) Discovery Holiday Park
 - b) Forrestfield Caravan Park N Park Home Village
 - c) Hillview Lifestyle Village
 - d) Advent Park.

File Note



Date: 13 April 2018
Subject: Caravan Parks and Camping Grounds Inspections

The City's Environmental Health Officers are authorised officers under the Caravan Parks and Camping Grounds Act 1995 for the purposes of inspecting caravan parks. These inspections are completed annually to determine compliance with the *Caravan Parks and Camping Grounds Act 1995* (the act) and the *Caravan Parks and Camping Grounds Regulations 1997* (the regulations).

A brief description of some of the minimum standards required under the act and the regulations is provided below:

- Management of Site – register of lodgers kept, public phone available, sufficient lighting electricity, water supply to sites.
- Ablution facilities – general maintenance and cleanliness, adequate number of toilets and showers, sufficient lighting and ventilation, chemical dump point provided.
- Kitchen facilities – availability of potable water, trough with hot and cold water supply, sufficient bench space.
- Laundry facilities – adequate number of washers, dryers, troughs and clothes lines provided, adequate bench space and power points provided.
- Fire Safety – Minimum separation distances between sites and structures, sufficient number of fire extinguishers or fire hose reels provided, firefighting equipment is serviced.

Where non-compliance's are identified, the proprietor will be asked to resolve the issues identified. All four of the City's caravan parks achieved full compliance.

10.2.2. City of Kalamunda: Public Open Space Strategy - Consideration of Submissions and Modifications for Final Adoption

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	OCM 219/2017
Directorate	Development Services
Business Unit	Strategic Planning
File Reference	PG-STU-037
Applicant	City of Kalamunda
Owner	N/A
Attachments	1. POS Strategy Report Final [10.2.2.1] 2. Community Engagement Summary Report [10.2.2.2] 3. Schedule of Submissions [QO4N] [10.2.2.3] 4. Schedule of Modifications [10.2.2.4] 5. POS Strategy - As Advertised [10.2.2.5]
Confidential Attachment	6. Submitters List <u>Reason for Confidentiality:</u> <i>Local Government Act 1995 (WA) Section 5.23 (2) (b) - "the personal affairs of any person."</i>

EXECUTIVE SUMMARY

1. The purpose of this report is for Council to consider submissions received during advertising the of the City of Kalamunda Draft Public Open Space Strategy (the Strategy) and consider final adoption of the Strategy subject to modifications.
2. Council adopted the Strategy at the November 2017 Ordinary Council Meeting for the purpose of public advertising. Subsequently, public advertising took place between December 2017 and February 2018 and included a combination of workshops, information stalls at local shopping centres, online surveys and newspaper advertisements. A total of 113 surveys were received and six written submissions received.
3. It is recommended that Council grant final approval to the Strategy subject to a series of modifications in response to community consultation.

BACKGROUND

4. The Strategy will form a component of the City's new Local Planning Strategy, which will be progressed throughout 2019.
5. At present, the Local Public Open Space Strategy 1996 is the most recent strategy of its kind endorsed by the City. This is now considered out dated. Planning strategies of this nature are recommended to be reviewed on a five-year cycle.
6. This proposed Strategy has been prepared in accordance with a local interpretation of the Western Australian Planning Commission (WAPC) Liveable Neighbourhoods Operational Policy: Element 4 – Public Parkland and

Department of Sport and Recreation (DSR) Public Parkland Planning and Design Guide.

7. The City, through the Strategy, is planning to meet the sporting, recreation and conservation needs of its community and the broader environment.
8. The Strategy will ensure that Public Open Space (POS) is delivered to optimise community benefit by providing direction to guide future POS provision, enhancement and management.
9. This Strategy builds on the priorities of the City's Strategic Community Plan to look after and provide people with a healthy environment for social and cultural enjoyment, deliver a sustainable natural environment, and lead the way in transparent governance. The Strategy has the following overarching goal:

The City of Kalamunda will provide leadership in ensuring a network of fit for purpose public open space that protects our natural resources and meets recreational, social and cultural needs of the community.

10. The Strategy takes into consideration current and future population projections, housing and other demographic factors.
11. Broadly, the Strategy:
 - a) identifies suburbs which are below POS 10% provision as per Liveable Neighbourhoods calculation methodologies;
 - b) identifies suburbs/districts/regions which are below sports space requirements and identifies POS according to its classification and function;
 - c) assesses all POS reserves for their quality; and
 - d) identifies POS of low quality for improvement or potential transfer to alternative land uses.
12. The Strategy also provides an assessment of the area, distribution, classification, functions, level of infrastructure and standard, functionality, usability, environmental value and accessibility of POS in the City. A copy of the POS Assessment Matrix is provided in Appendix 11 of the Strategy.

13. A summary of the POS allocation is provided in the following table:

Suburb	Percentage of POS allocation
Bickley	6.33%
Forrestfield	11.12%
Gooseberry Hill	2.39%
High Wycombe	8.68%
Kalamunda	5.8%
Lesmurdie	6.07%
Maida Vale	9.08%
Walliston	4.31%

Wattle Grove	17.43%
Total	7.65%

14. A summary of ratings (number of parks with assessed value using the abovementioned assessment matrix) is provided as follows:

Ratings (number of parks in each area based on rating)				
	A	B	C	D
Forrestfield	1	9	13	7
Gooseberry Hill	0	1	1	2
High Wycombe	2	9	12	5
Kalamunda	2	0	4	5
Lesmurdie	1	4	5	4
Maida Vale	0	4	4	1
Rural East - Walliston		1	2	2
Wattle Grove	0	5	4	2
Total	6	33	45	28

* Note: ratings of A-D represent the value of parks based on location, facilities, care and maintenance, and environmental value. 'A' being the highest value and 'D' being the lowest value.

15. A key finding of the Strategy identified the provision and need for the following sports space allocation:
- Foothills – 64.16ha provided, 79.92ha required by 2036.
 - Hills – 25.29ha provided, 39.68ha required by 2036.
16. The Strategy sets out strategic directions and actions to improve the provision and quality of POS in the City. The following are some of the key strategies and actions:
- identification of reserves that can be rehabilitated/revegetated through offset plans;
 - transfer POS for development where the POS serves limited benefit to the community;
 - funds raised from transfer of POS and cash-in-lieu funds to be used for the improvement and acquisition of POS;
 - identify sites for acquisition for the use of POS. Space for sports space to be of particular preference;
 - commence the preparation of a Local Planning Policy for POS;
 - phased installation of low level solar powered lighting at key POS reserves;
 - disability access and improved pedestrian access through POS;
 - improved pedestrian and cycling access to POS; and
 - development of master plans for strategically significant POS.

DETAILS

17. The Strategy was adopted by Council at the November 2017 Ordinary Council Meeting for the purpose of public advertising.

18. Community consultation took place between December 2017 and February 2018 and included:
 - a) two workshops;
 - b) information stalls at local shopping centres;
 - c) online and hard copy surveys;
 - d) online content including a short video; and
 - e) newspaper advertisements.
19. At the conclusion of the advertising period, the City had received a total of 113 surveys from the community and seven written submissions. All submissions included comments of a general nature, ideas, some objections and support for the Strategy. Details of the submissions and responses are outlined in Attachment 3.
20. The consultation process highlighted that over 63% of the community who participated in the surveys do not support low quality POS being transferred to other uses to fund POS improvements. It was seen that the City should be enhancing its POS to create better regional linkages for pedestrians and cyclists.
21. The consultation also indicated that the community wanted to see more improvements to POS, increased trees for wildlife habitat and greater levels of beautification and community infrastructure being incorporated into POS areas.
22. There were numerous ideas provided with the key themes as follows:
 - a) Playgrounds/Nature Playgrounds (Quantity and Quality)
 - b) Trees/Nature/Wildlife Habitat (Protection and Implementation)
 - c) Beautification
 - d) Maintenance
 - e) Seating (Quantity and Quality)
 - f) Shade
 - g) Sports Facilities (Quantity and Quality)
 - h) Amenities
 - i) Dog Parks/Fenced
 - j) Exercise Equipment
 - k) Basketball Courts/Soccer Goals for Smaller Parks
 - l) Walking/Running/Bike Tracks
 - m) BBQs
 - n) Footpaths (Quantity and Quality)
 - o) Improved Scott Reserve Facilities
23. The community also raised issues that they wanted the City to focus more attention towards, these included:
 - a) Poor Maintenance
 - b) Quality/Quantity of Playgrounds and Equipment
 - c) Outdated POS
 - d) Poor aesthetics
 - e) Vandalism/Rubbish
 - f) Quality/Quantity of Facilities
 - g) Dog Issues (No Fenced Areas, Not Obeying Dog Restrictions)
 - h) Limited Shade

- i) Quality/Quantity of Amenities
 - j) Not enough trees/Removal of vegetation
24. The community generally conveyed that the quantity of parks and sporting reserves is acceptable, whereas the quality of reserves was less favourable.
25. Full details of the consultations undertaken are reported in points 38 to 43.

STATUTORY AND LEGAL CONSIDERATIONS

26. **Planning and Development Act 2005**
Under the provisions of section 153 of the *Planning and Development Act 2005* (WA) (P&D Act 2005), payment can be made by a subdivider in lieu of all or part of a POS contribution, referred to commonly as 'cash-in-lieu' for POS. Cash in lieu may be appropriate for small subdivisions, where the resultant POS would be too small, unusable or irregular in shape, or where sufficient POS is already available or previously provided in the locality, and where the City requires funding to assist in maintenance or upgrades to existing POS. Section 153 of the P&D Act limits the imposition of the requirement for cash in lieu for a subdivision that creates less than three lots.
27. **Local Planning Scheme No. 3**
The Strategy is applicable to reserves within the City that are zoned under the Local Planning Scheme No.3 (LPS3) as Local Open Space, in addition to reserves serving multiple functions identified by the Metropolitan Region Scheme (MRS) zoned as Parks & Recreation.

POLICY CONSIDERATIONS

28. **POS Contributions and Cash in Lieu**
The WAPC has adopted a longstanding requirement that 10 per cent of the gross subdivisible area be given up free of cost in a subdivision and vested in the Crown for the purposes of POS. This 10 per cent requirement is derived from the recommendations contained in the 1955 Stephenson-Hepburn Plan, and continues to form part of the WAPC's Operational Policy framework through Liveable Neighbourhoods. The Strategy will be utilised as a key guiding document in justifying the expenditure of cash in lieu funds.
29. As mentioned above, cash in lieu may be appropriate for small subdivisions, where the resultant POS would be too small, unusable or irregular in shape or where sufficient POS is already available or previously provided in the locality. The process for the collection and expenditure of cash in lieu is summarised as follows:
- a) the WAPC imposes a condition at the subdivision stage, on the advice of a local government and where the request for cash in lieu is supported by a POS Strategy;
 - b) all money received by the local government through cash in lieu is required to be paid into a separate account of the local government, which clearly sets out the purposes for which money is held, the landholding from which it was obtained and the date on which it was paid to the local government;
 - c) the money should generally be applied:

- i) for the purchase of land by the local government for parks, recreation grounds or open spaces generally, in the locality in which the land included in the plan of subdivision is situated;
 - ii) in repaying any loans raised by local government for the purchase of any such land; and
 - iii) with the approval of the Minister for Planning, for the improvement or development of land as parks, recreation grounds or open spaces; generally of any land in the said locality vested in or administered by the local government for any of those purposes; and
 - d) Requests for expenditure of cash in lieu are required to be lodged with the WAPC for the Minister for Planning's approval, including:
 - i) location of subdivisions from which funds were obtained;
 - ii) dollar value of the funds obtained;
 - iii) location of the proposed reserve where the funds are proposed to be expended;
 - iv) nature of the proposed expenditure; and
 - v) program for the expenditure.
30. The Strategy is an important tool that provides strategic rationale for requests for cash in lieu for small subdivisions, where the resultant POS would be too small, unusable or irregular in shape, or where sufficient POS is already available or previously provided in the locality. Furthermore, the Strategy will assist with prioritising expenditure appropriately to ensure that the POS funding received will provide maximum benefit to the community. It would be difficult for the City to justify cash in lieu expenditure without the framework and strategic basis for expenditure provided through the Strategy.
31. **State Planning Policy No. DC 2.3: Public Open Space in Residential Areas (DC 2.3)**
DC 2.3 sets out the policy framework requirements for public open space within a residential development.
32. Under DC 2.3 and Liveable Neighbourhoods, the standard 10% POS contribution is, in practice, not normally required by the WAPC for a subdivision of five lots or less, where:
- a) the applicant demonstrates to the satisfaction of the WAPC that land had already been given up for open space in an earlier subdivision; or
 - b) the proposal is within a locality where the WAPC, on the advice on the local government, following an assessment of the locality, has concluded that there is sufficient open space in that locality.
33. **State Planning Policy No DC 5.3: Use of Land Reserved for Parks and Recreation and Open Space (DC 5.3)**
DC 5.3 sets out the circumstances under which the WAPC may approve the use and development of land reserved for Parks and Recreation and Regional Open Space for different purposes.

34. **State Planning Policy 3.6 – Development Contributions for Infrastructure (SPP 3.6)**
SPP 3.6 out the principles and considerations that apply to development contributions for the provision of infrastructure in new and established development areas.
35. **WAPC Liveable Neighbourhoods Operational Policy**
Liveable Neighbourhoods sets out the planning framework for achieving liveable communities. Of particular relevance is *'Element 4: Public Parkland'*, which sets out the framework for achieving functional and well provisioned POS.
36. **Department of Sport & Recreation Public Parkland Planning and Design Guide**
This guide provides information on the general design of POS.
37. **State Planning Policy 2.8 - Bushland Policy for the Perth Metropolitan Region (SPP 2.8)**
SPP 2.8 provides for a framework to ensure that bushland protection and management issues in the Perth Metropolitan Region are appropriately addressed and integrated with broader land use planning and decision making, with the aim to securing long-term protection of biodiversity and associated environmental values.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

38. The Strategy was prepared by the City taking into consideration the requirements from the following disciplines:
- a) Parks and Environment;
 - b) Assets;
 - c) Community Development;
 - d) Approval Services;
 - e) Environmental Health; and
 - f) Economic, Land and Property Services
39. The Strategy incorporates input from the City's various service areas which has been gathered through internal working groups and reviews of the Strategy.

External Referrals

40. The City sought the services of an independent consultant, CCS Strategic, to undertake a peer review of the Strategy. The peer review was undertaken prior to public advertising and feedback incorporated into the document.
41. As referred to earlier, the Strategy was advertised between December 2017 and February 2018 for a period of 77 days which included the following forms of community engagement:
- a) two workshops – Kalamunda and Forrestfield;
 - b) information stalls at Shopping Centres and Recreation Centres;

- c) online and hardcopy survey;
- d) social media posts;
- e) newspaper advertisements;
- f) footpath advertisement; and
- g) formal submissions.

42. A total of 113 surveys were completed by the community.

43. A total of seven formal submissions were received. All submissions included comments of a general nature, ideas, objections and support for the Strategy.

A copy of the Community Engagement Outcomes Report (Attachment 2) can be referenced for a full summary of the information received. A copy of the written submissions received, and responses are provided within the Submissions Table (Attachment 3).

FINANCIAL CONSIDERATIONS

44. Costs associated with the preparation of the document and public consultation/advertising were met through the Development Services annual budget.

45. Any future development, acquisition and maintenance of POS throughout the City will be funded through a range of sources:

- a) any new urban areas under a Structure Plan will generally be provided with 10% POS ceded to the Crown, and developed through the requirements of subdivision conditions or potentially Development Contribution Plan funds;
- b) subdivision of lots of five or more will provide cash-in-lieu funds to utilise for the ongoing improvement and acquisition of POS;
- c) any future transfer of any POS reserves would need to be structured in a way to fund the improvement and acquisition of other POS reserves; and
- d) any ongoing maintenance of POS will continue to be funded through the City's operational budget.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

46. *Kalamunda Advancing Strategic Community Plan to 2027*

Priority 1: Kalamunda Cares and Interacts

Objective 1.1 - To be a community that advocates, facilities and provides quality lifestyles choices.

Strategy 1.1.1 - Facilitates the inclusion of the ageing population and people with disability to have access to information, facilities and services.

Priority 1: Kalamunda Cares and Interacts

Objective 1.2 - To provide a safe and healthy environment for community to enjoy.

Strategy - 1.2.3 Provide high quality and accessible recreational and social spaces and facilities.

Strategy 1.2.2 - Advocate and promote healthy lifestyle choices by encouraging the community to become more physically active.

Priority 2: Kalamunda Clean and Green

Objective 2.1 - To protect and enhance the environmental values of the City.

Strategy 2.1.1 - Enhance our bushland, natural areas, waterways and reserves.

Strategy 2.1.2 - Support the conservation and enhancement of our biodiversity.

Strategy 2.1.3 - Community engagement and education in environmental management.

Priority 3: Kalamunda Develops

Objective 3.1 - To plan for sustainable population growth.

Strategy 3.1.1 - Plan for diverse and sustainable housing, community facilities and industrial development to meet changing social and economic needs.

Priority 3: Kalamunda Develops

Objective 3.2 - To connect community to quality amenities.

Strategy 3.2.1 - Optimal management of all assets.

Priority 3: Kalamunda Develops

Objective 3.4 - To be recognised as a preferred tourism destination.

Strategy 3.4.1 - Facilitate, support and promote, activities and places to visit.

SUSTAINABILITY

Social Implications

47. Some reserves identified for transfer may have some use by members of the community. As part of the transfer process, impacts on those community members that utilise the reserves will need to be investigated while balancing the broader public interest and demands for upgraded and accessible POS areas.
48. The Strategy has strategic directions and actions which are aimed at improving the quality and functionality of POS, high quality large multi-functional reserves which will have greater benefits for the community are encouraged to be delivered.

Economic Implications

49. The Strategy identifies reserves that may be suitable for transfer, which through the transfer process, would provide funds for the City to use for the acquisition and improvement of POS generally. Quality of POS over quantity is a relevant consideration in this regard.
50. The Strategy identifies reserves for improvement and highlights a need to identify acquisition sites for POS, which will require funding from a variety of sources.

51. Any new reserves acquired will be required to form part of the Asset Services budget for periodic maintenance with associated funding requirements.
52. The Strategy identifies POS sites that have low ratings and limited recreational benefits, which may be transferred to other uses. Funds from improvements and value-adding through the transfer process will contribute towards the improvement of POS that has significant community benefit and the acquisition of sites for POS where deficiencies are identified. The Strategy acts as a guide and does not mean that the City will transfer all the sites identified in the Strategy. Project specific briefs and detailed investigations (including environmental studies) will be required to undertake the transfer of POS sites.

Environmental Implications

53. The Strategy identifies strategic directions and actions relating to the preservation and enhancement of the environmental value of POS.
54. Identified transfer sites may have some native vegetation and will be required to be supported by an Environmental Assessment Report (EAR). The EAR may be required to include Flora and Fauna Surveys and consider any applicable environmental considerations such as connectivity to the surrounding environment, wildlife corridors and refuges.
55. POS reserves identified as being Biodiversity Assets have been noted for further assessment to determine their value. Biodiversity Assets of low quality are recommended to undergo improvement. Assessment of Biodiversity Assets are to be undertaken with the appropriate methodology, which is to be determined during the scoping of the project brief. The methodology utilised to assess Biodiversity Assets should consider the ecological value assessment matrix in the Local Biodiversity Strategy 2008 and recognised contemporary environmental assessment methodologies.

RISK MANAGEMENT CONSIDERATIONS

56.	Risk: Timeframes for the Strategic Directions and Actions within the Strategy are not achieved.		
	Likelihood	Consequence	Rating
	Possible	Moderate	Medium
	Action/Strategy		
	Items shall be addressed in Corporate Business Plans when they are due for implementation. The Strategy will be reviewed every five (5) years to ensure Strategic Directions and Actions are relevant, up to date and being appropriately implemented.		
	Risk: The community oppose the transfer of underperforming and low-grade POS sites and the City is unable to sufficiently fund POS upgrades to meet community expectations.		
	Likelihood	Consequence	Rating
	Possible	Significant	High
	Action/Strategy		

Ensure Council understand the City has finite resources and that community expectations for POS upgrades have significant funding requirements which need to be sourced from various funding streams.		
Risk: The Strategy is not finalised and affects the City's ability to access funding sources (i.e. cash in lieu).		
Likelihood	Consequence	Rating
Possible	Significant	High
Action/Strategy		
Ensure Council understand the importance of finalising the Strategy with regard to accessing future funding sources to upgrades POS to meet community demands and expectation.		

OFFICER COMMENT

57. The Strategy seeks to improve the quality, functionality and provision of POS throughout the City by taking into account the current provision, future requirements, assessment of POS, demographic analysis, and state and local policy and strategic frameworks.
58. In order to undertake the actions recommended in the Strategy, project specific briefs will need to be prepared following the adoption of the Strategy. These briefs will need to scope and allocate appropriate resources to ensure the relevant actions are delivered.
59. The Strategy identifies POS which has limited community benefit to be transferred to other uses. Funds from transfer will help fund the improvement of POS which has significant community benefit and the acquisition of sites for POS. It is important to note that the Strategy acts as a guide and does not imply that the City will transfer all the sites identified in the Strategy. It provides a basis for more detail analysis and investigation.
60. Whilst the community has indicated reservations around the transfer of underperforming POS sites, Council must also realise that to provide the quality parks, the ongoing maintenance and repatriation of its parks, the City must hold a balanced view between community expectation and the ability to fund improvements. The City does not have the funds to meet the expectations of the community, trade-offs such as transferring low quality underutilised areas to improve high use and strategic areas is essential.
61. The consideration of the transfer of POS is an entirely separate process and subject to comprehensive community engagement and consultation. Project specific briefs and detailed investigations will be required to be undertaken and this process will also involve approval of the Minister for Lands and Department of Planning, Lands and Heritage.
62. It is anticipated that the Strategy will undergo minor design and formatting improvements through the insertion of infographics and images, prior to the final version being published. The core content, findings and strategic directions and actions of the Strategy will not change through this publishing process.

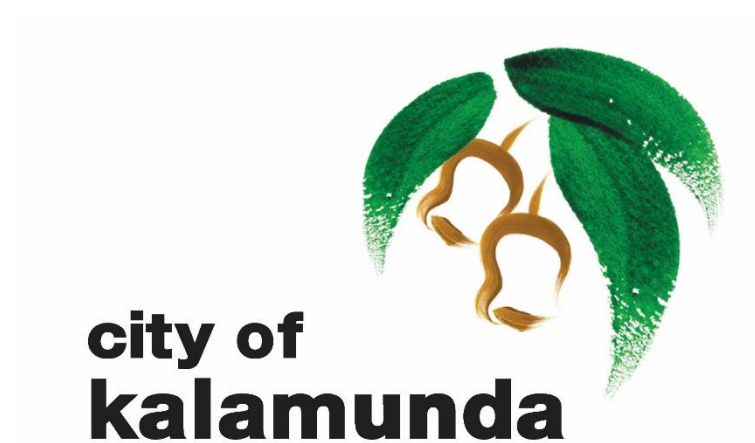
63. The Strategy is a key strategic document to guide the future development of POS within the City and given the strong community connection to its POS it is recommended that Council adopt the Strategy.

Voting Requirements: Simple Majority

RECOMMENDATION

That Council:

1. Adopt the Public Open Space Strategy 2017 as outlined within Attachment 1.
2. Notes the submissions received and the Community Engagement Summary Report in Attachments 2 and 3.
3. Note that the Strategy will undergo minor design and formatting improvements through the insertion of infographics and images, prior to the final version being published, and this will not change the core content, findings and strategic directions and actions of the Strategy.



Public Open Space Strategy
Prepared by City of Kalamunda
April 2018

Document status:

Version	Version No.	Author(s)	Date	Review
Draft Report	1	Mitchell Brooks	01/04/2017	Peter Varelis
External Review	2	Mark Casserly (CCS Strategic)	01/06/2017	Mitchell Brooks Peter Varelis
Draft Report for Council	3	Mitchell Brooks Peter Varelis	28/11/2017	Natalie Martin Goode
Final Report	4	Mitchell Brooks Chris Lodge	16/04/2018	Peter Varelis

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1.0 INTRODUCTION

The City of Kalamunda (the City) recognises that there are significant social, health, environmental and economic benefits in providing appropriately located, functional and attractive Public Open Space (POS) to the community. These spaces are pivotal in influencing suburbs to become communities by implementing positive lifestyle and recreation opportunities, venues, events and programs and active sporting pursuits. The City has developed this Public Open Space Strategy (the Strategy) to ensure the future protection, provision and management of valuable POS sites to meet the ongoing needs of the community. The Strategy, through its framework of recommendations and guidelines, is a crucial tool to manage and inform planning for POS at a strategic and statutory planning level. The implementation of the Strategy's recommendations will improve POS provision for the existing and future communities in the City.

1.1 PURPOSE

The Strategy aims to ensure that POS is delivered to optimise community benefit by providing direction to guide the future provision, enhancement and management of POS. The Strategy will ensure that POS is utilised to its maximum potential to deliver maximum benefit to the community. The Strategy will provide a local interpretation of the Western Australian Planning Commission (WAPC) Liveable Neighbourhoods policy by generating a sense of community and strong local identity, and providing an integrated approach to the design and provision of POS. The Strategy will guide Council, its officers and applicants when considering the planning for POS in future and existing development areas through statutory and strategic planning processes.

1.2 GOAL

This Strategy builds on the priorities of the City's Strategic Community Plan by providing people with a healthy environment for social and cultural enjoyment. The Strategy has the following overarching goal:

The City of Kalamunda will provide leadership in ensuring a network of fit for purpose public open space that protects our natural resources and meets the recreational, social and cultural needs of the community.

1.3 OBJECTIVES

The primary objectives of the Strategy are to:

- To provide a resource that assists the City in decision making at all stages of the strategic and statutory planning process.
- Protect environmentally significant areas from encroaching development.
- Optimise the use of the City's resources to achieve effective and efficient POS outcomes, by prioritising the delivery of high quality POS over quantity.
- Ensure POS is safe for all members of the community.
- Provide high levels of access both within and to POS.
- Provide the community with health, recreational, organised sport and social opportunities.

1.4 CLASSIFICATION OF PUBLIC OPEN SPACE

POS comprises Crown land zoned as Local Open Space by the Local Planning Scheme and used or intended for public use, access or ecological value. POS may be utilised for the purpose of recreation, sporting facilities, community development, leisure functions, social gatherings, events, tourism, conservation and public amenity. POS is important for various reasons including; environment protection, mitigation of the urban heat island effect, public health, heritage value, influencing crime reduction and creating an attractive community with opportunities for social gathering and interaction to develop an identifiable sense of place. A variety of POS should be provided to meet the diverse requirements of the community. POS can be divided into the following classifications as per the Department of Sport and Recreation (DSR) Classification Framework for Public Open Space (2012):

Local Open Space (LOS)	Small parks that service the recreation needs of the immediate residential population. Typically less than 1ha.
Neighbourhood Open Space (NOS)	Serves as the recreational and social focus of a community. Residents are attracted by the variety of features and facilities and opportunities to socialise. Typically 1-5ha.
District Open Space (DOS)	Principally designed to provide for organised formal sport. DOS will very likely include substantial recreation space and some nature space. Typically 5-15+ha.
Regional Open Space (ROS)	May accommodate important recreation and organised sport spaces as well as significant conservation and/or environmental features. These reserves are generally zoned as Parks and Recreation under the Metropolitan Region Scheme (MRS). The size of these areas vary and are dependent on function. When sporting space is identified as a necessary regional function, allocations for playing fields and sports facilities are generally 20+ha in area. The City comprises Korung and Kalamunda National Park, extensive areas of State Forest (Numbers 7, 22 and 54), Mundy Regional Park and Bush Forever sites identified by the MRS which are not directly impacted by this Strategy. The City also comprises Maida Vale Recreation Reserve, Ray Owen Reserve and Hartfield Park which serve multiple functions and have been included as part of this Strategy. Pioneer Park was previously multi-functional and now has limited use and access, requiring investigation into its future. ROS is not included within local POS calculations.
Biodiversity Asset *Not part of DSR Guidelines	Local reserves zoned as Local Open Space under Local Planning Scheme No. 3 (LPS3) that have been identified by the Strategy for environmental protection purposes. Reserves serve primarily a nature space purpose.

POS function can be identified by the three primary types of open space as per DSR Classification Framework for Public Open Space (2012):

Recreation Spaces	Recreation spaces provide a setting for informal play and physical activity, relaxation and social interaction.
Sport Spaces	Sport spaces provide a setting for formal structured sporting activities.
Nature Spaces	Nature spaces provide a setting where people can enjoy nearby nature and protect local biodiversity and natural area values.

Refer to Appendix 1 – Glossary for more detailed definitions of the functions as per DSR Classification Framework for Public Open Space (2012).

1.5 VALUE OF PUBLIC OPEN SPACE

POS provides a combination of social, economic and environmental benefits to a local community. POS is a vital element in creating positive lifestyle opportunities and connected communities. The primary role of POS is to support health, recreation, leisure and environmental functions. These functions include providing pedestrian links to schools, shops and public transport, in addition to sport, recreation and nature based uses. Sport uses encompass any form of organised sport whilst recreation uses comprise of various forms of casual exercise such as running and walking, children's play and social activities. Nature uses may include areas set aside for conservation or reserves with natural vegetation that provide a setting to enjoy the amenity that nature provides. POS has the ability to generate a sense of place and adds character to a neighbourhood or locality.

POS serves a vital role for environmental protection, through habitat and biodiversity conservation, and air and water quality management. It also allows people who live in highly urbanised environments to have a connection with nature and its high value for natural beauty, contribution to community identity, cultural heritage value, tourism potential and ecological importance.

1.6 USE OF THE STRATEGY

The Strategy establishes strategic guidance for POS within the City which will provide an integral reference document for the City; particularly those involved in development services, asset services and community services. The Strategy will assist agencies, community groups, clubs, developers and individual residents to understand the City's direction in regards to strategic open space planning, development and management.

1.6.1 POS CONTRIBUTIONS AND CASH IN LIEU THROUGH SUBDIVISION

The WAPC has adopted a longstanding requirement that 10 per cent of the gross subdivisible area be given up free of cost in a subdivision and vested in the Crown for the purposes of POS. This 10 per cent requirement is derived from the recommendations contained in the 1955 Stephenson-Hepburn Plan, and continues to form part of the WAPC's policy framework through Liveable Neighbourhoods.

Under the WAPC's Development Control Policy 2.3 – Public Open Space in Residential Areas, and Liveable Neighbourhoods, the standard 10% POS contribution is, in practice, not normally required by the WAPC for a subdivision of five (5) lots or less, where:

- The applicant demonstrates to the satisfaction of the WAPC that land had already been given up for open space in an earlier subdivision; or
- The proposal is within a locality where the WAPC, on the advice on the local government, following an assessment of the locality, has concluded that there is sufficient open space in that locality.

Under the provisions of Section 153 of the *Planning and Development Act 2005* payment can be made by a subdivider in lieu of all or part of a POS contribution, referred to commonly as 'cash-in-lieu' of POS. Cash in lieu may be appropriate for small subdivisions, where the resultant POS would be too small, unusable or irregular in shape, or where sufficient POS is already available or previously provided in the locality. Section 153 limits the imposition of the requirement for cash in lieu for a subdivision that creates less than three (3) lots.

This Strategy provides an assessment of the area, distribution, classification, functions, level of infrastructure and maintenance standard, functionality, usability, environmental value and accessibility of POS in the City which will assist in determining the appropriate POS and cash-in-lieu contribution through the subdivision process.

1.6.2 POTENTIAL TRANSFER OF POS

One of the roles of this Strategy is to act as a guide to inform the potential transfer of POS into freehold land owned by the City, which follows the following general process.

Local Government may, with the prior approval of the Minister for Lands and Department of Planning, transfer identified reserves into freehold land owned by the City and apply the proceeds from development or other activities to capital improvements to recreation reserves in the general locality.

Considerations / Requirements:

The City needs to ensure the following with regard to the proposed potential transfer of the reserves.

1. The potential transfer does not reduce the overall allocation of POS for the locality below 10% (With regional context taken into consideration).
2. Clear benefit to the community, outside of any direct financial contribution, is to be established before a proposal seeking the sale of a portion of a reserve is advertised for public comment. Community consultation is required.
3. Maintenance of a reserve is not a relevant matter in assessing whether the proposed excision would have a clear benefit to the community.
4. If such a proposal does not provide a clear benefit to the community and/or does not promote sustainability objectives the request should not proceed.

5. Subject to Council endorsement of the project through resolution, if the proposed excision portion of the public open space reserve provides a benefit for the community and promotes sustainability objectives, the disposal will be advertised for a minimum period of 30 days as follows:
 - A sign is to be erected on the site.
 - A notice is to be placed in a local newspaper.
 - Letters are to be sent to nearby landowners.
 - Liaison is to occur with identified local community and interest groups.
 - Referral is to be made to the Department of Land Information, Department of Planning and other relevant servicing authorities for comment.
 - A notice is to be placed on the City's notice boards and the City's website.
6. Apply the proceeds to capital improvements to other recreation reserves in the general locality.

Any proposed transfer is required to be supported by an Environmental Assessment Report (EAR). The EAR may be required to include Flora and Fauna Surveys and consider any applicable environmental considerations such as connectivity to the surrounding environment, wildlife corridors and refuges.

1.7 TARGETED STAKEHOLDER CONSULTATION

The City manages POS on behalf of the community and therefore is committed to engaging with the public through all stages of the Strategy through comprehensive consultation. Further to this, the City will promote the community's right to access quality POS through consultation with relevant stakeholders.

Recreation Bodies	Department of Local Government, Sport and Cultural Industries (DLGSC)
Planning Bodies	Department of Planning, Lands and Heritage (DPLH)
Environmental Bodies	Department of Biodiversity, Conservation and Attractions (DBCA) Office of Environment Protection Authority (OEPA) Department of Water and Environmental Regulation (DWER)
Community	Members of the public Clubs Local Community Organisations Schools

1.7.1 CONSULTATION PROCESS

The following table outlines the consultation process that was followed during the preparation of this Strategy:

1.	Prepare Draft POS Strategy
2.	Consultation with the City's internal business units: <ul style="list-style-type: none"> • Parks and Environment • Assets

	<ul style="list-style-type: none"> • Community Development • Approval Services • Environmental Health • Economic, Land and Property Services
3.	Findings and Outcomes Report
4.	Prepare Final Draft POS Strategy
5.	Present Final Draft POS Strategy to Council for Public Advertising
6.	Community Consultation with public and clubs/organisations <ul style="list-style-type: none"> • Workshops • Website/Online Survey • Information Sessions
7.	Findings and Outcomes Report
8.	Final Draft POS Strategy modified to address submissions received
9.	Present to Council for final adoption

See Appendix 13 for Consultation Protocol relating to the potential transfers of POS sites.

2.0 DEMOGRAPHIC ANALYSIS

The City has a range of residential developments ranging from established communities, suburbs that are undergoing urban renewal, rural areas and greenfield growth areas. The lot configuration and size of housing stock can be a key contributing factor to defining the demographics of a suburb. As a result, the demographic profile can be utilised to assess the demand and future planning direction for POS. It is important that the demographic of the City's suburbs are factored into the planning of POS so that the City can plan for the existing and future community. Different age groups utilise the various forms of POS in different ways depending on needs. Infill growth will utilise existing POS whilst also providing cash-in-lieu opportunities. Greenfield growth will need to provide its own 10% POS allocation in addition to utilising existing POS.

Demographic data within the Strategy has been obtained from Forecast. id (2017).

2.1 POPULATION

Forrestfield and High Wycombe currently provide the highest forecast population in addition to the highest residential densities, demonstrating a high demand for POS. Most of the City's population growth is expected to take place in the Foothills, whereas the Hills will see steady growth in the foreseeable future. The Foothills will account for 85% of the City's increased population over the next 18 years.

Over the next 18 years the areas with the greatest population increases will be Forrestfield and Maida Vale, whilst the Forrestfield North District Structure Plan Area will increase significantly from a small rural living based population to an urbanised district locality. Forrestfield North will account for 48% of the Foothills increased population and Forrestfield will account for 26% of the Foothills increased population. These areas over the next 18 years will have the greatest demand for future POS.

Not included in future population projections is Wattle Grove South and Maida Vale South, which have been identified for future urban development. Both areas would be expected to have similar growth as that of Forrestfield North, transforming from a rural area to a highly urbanised locality.

All localities are predicted to rise in population by over 10% over the next 18 years except for Wattle Grove 9.77%, Gooseberry Hill at 2.41% and Lesmurdie at 0.22%. It should be noted that the majority of Forrestfield North resides in High Wycombe, which has been assessed independently and impacts upon High Wycombe's demographic information. Forrestfield North will be required to establish new POS for the future development of the area. Lesmurdie and Gooseberry Hill have very low predicted population growth and therefore may not demand the same level of additional POS as other localities based on population.

The Foothills localities have greater population densities and will continue to become denser, meaning smaller properties with less private open space and therefore requiring a greater demand for POS for residents. Kalamunda town centre is also expected to consolidate which may see greater demand for POS or greater utilisation of the current open space provided such as Stirk Park and Kostera Oval. It is noted Master Planning has either recently been

implemented or is in the process of development for these sites. Kalamunda accounts for 64% of the Hills increased population. Refer to Appendix 2 for detailed table.

Summary of key population findings:

- The Foothills will account for the majority of the City's population growth.
- Forrestfield North, Forrestfield and Maida Vale will account for the highest population growth.
- Kalamunda will experience the highest population growth in the hills.
- Forrestfield North, Maida Vale South and Wattle Grove South areas will grow from a small population into large district localities with POS provided in accordance with Liveable Neighbourhoods (i.e. 10% of the development area) and in response to existing site specific environmental constraints.
- Gooseberry Hill and Lesmurdie will experience limited population growth.

2.2 DWELLINGS

The forecast change in dwellings reflects that of the population change. The Foothills will experience the largest amount of new dwellings, as a result of new developments and urban renewal. In the Hills, Kalamunda will experience significant growth as a result of urban renewal mostly in close proximity to the town centre. The remainder of the Hills will experience limited growth mostly due to development constraints such as retaining environmental areas, building constraints due to the nature of the undulating rocky landscape, bushfire risk and maintaining the character and amenity of the area.

The new development areas of the Foothills will require the provision of new open space in accordance with the policy framework of the WAPC, whilst those areas experiencing urban consolidation will require a review of the current open space and its effectiveness and whether upgrades are required or new open space areas need to be investigated and acquired through the use of cash-in-lieu and other funding mechanisms. Refer to Appendix 3 for a detailed table.

Summary of key dwelling findings:

- The Foothills will experience the largest development of new dwellings.
- Growth in the Foothills will be a combination of greenfield growth and urban infill.
- The Hills growth will be mostly contributed from urban infill.
- Growth in the Hills is constrained by environmental areas, the landscape, bushfire risk and maintaining the area's character.
- Urban infill will see more lots with smaller backyards, increasing the importance of quality POS.

2.3 AGE DEMOGRAPHICS

The forecast age structure in the City between 2016 and 2036 is expected to see significant population increases in young families (ages 0-14 and 30-49) and the elderly (65+). Teenagers and young adults (15-29), and 'empty nesters' (50-64) will have a smaller rise in population. The Foothills and Hills differ in their forecasted age structure. The Hills are predicted to have their greatest rise in young families and the elderly. Whereas the Foothills will have a greater rise in older family groups (5-24 and 35-54) and the elderly. The Forrestfield North DSP area is predicted to have its greatest increase from young adults (20-39). However young families and empty nesters will also be well established in the area.

Different age groups generally have different requirements for the POS they utilise. Children, teenagers and young adults require the provision of DOS to provide sport and recreation space due to their higher involvement in organised sport and active recreation. DOS provides an important hub for activity, community identity and local pride. Furthermore it provides a venue for children to learn and participate in outdoor activity and exercise (Middle, Tye, Costello, & Hedgcock, 2012). The older age brackets utilise recreation and nature space to a greater extent; for walking, leisure and their greater appreciation for attractive spaces. Suburbs expecting urban renewal with high population increases and a diverse demographic in the area will require multi-functional, accessible open spaces to meet the diverse needs of the community (City of Charles Sturt, n.d.).

Summary of key findings for age demographics:

- Young families and the elderly will account for significant amount of the population increase.
- Teenagers, young adults and empty nesters will have limited rise in population.
- The Hills will have the greatest population rise from young families and the elderly.
- The Foothills will have the greatest population rise from established families and the elderly.
- The Forrestfield North DSP area will have the greatest population contribution from young adults.
- Younger age groups tend to require the provision of active open space.
- Older age groups tend to require the provision of more passive open space.

2.4 ADDITIONAL DEMOGRAPHICS

Additional demographic factors that impact participation in recreation and health activities are income, employment and education levels. The Foothills have greater levels of low and moderate income earners, lower levels of education and higher levels of employment than Greater Perth. Whereas the Hills have greater levels of moderate and high income earners, greater levels of education and greater levels of employment than Greater Perth.

It is important to provide functional and accessible POS for a community that is expected to experience a high level of growth and/or has lower socio-economic indicators. POS provides access for social interaction, passive recreation and other productive uses. The benefits of POS can be greater with the above indicators as access to such activities and facilities is often not provided in their private space (Cohen, McKenzie, Williamson, Golinelli, 2007).

Summary of key findings for socio-economic indicators:

- Income, employment and education levels impact health and recreation participation.
- The Foothills have greater levels of low-moderate income earners, lower levels of education and higher levels of employment.
- The Hills have greater levels of moderate-high income earners, greater levels of education and greater levels of employment.
- Benefits of POS can be greater within areas of high level growth and lower socio-economic indicators.

3.0 POLICY CONTEXT

The City is guided by State Government strategies, policies and legislation that inform the provision and development of POS. In addition to this the City has a framework of local planning instruments and documents framework.

3.1 STATE PLANNING FRAMEWORK

State Planning Policy documents are critical documents for establishing the parameters for the development of POS. The following are important reference points:

<i>Planning and Development Act 2005</i>	Legislates the requirement for land to be provided free of costs and vested in the Crown for the purposes of POS at the subdivision stage and enables cash in lieu to be provided in circumstances where the area of POS would be too small or inappropriate for practical use.
Directions 2031	Guides the planning framework for accommodating significant urban growth in Perth through to 2031.
Liveable Neighbourhoods Operational Policy	Sets out the planning framework for achieving liveable communities. Of particular relevance is Element 4: Public Parkland which sets out the framework for achieving functional and well provisioned POS. The 10% POS provisions being one of the key components of the policy.
Perth and Peel @ 3.5 Million	Guides the planning framework for accommodating significant urban growth that predicts a Perth and Peel population of 3.5 million by 2050.
North-East Sub-Regional Structure Plan	The guiding planning framework for local government areas in the North-East metro area which includes the City and identified future urban growth areas. The document considers where social infrastructure will be required and the protection of important environmental assets.
Department of Sport & Recreation Public Parkland Planning & Design Guide	Guides the general design of POS.
Development Control Policy 2.3 - Public Open Space in Residential Areas	Sets out the policy framework requirements for public open space within a residential development.
Development Control Policy 5.3 - Use of Land Reserved for Parks and Recreation and Regional Open Space	Sets out the circumstances under which the Western Australian Planning Commission (the Commission) may approve the use and development of land reserved for Parks and Recreation and Regional Open Space for different purposes.
State Planning Policy 3.6 – Development Contributions for Infrastructure	This policy sets out the principles and considerations that apply to development contributions for the provision of infrastructure in new and established development areas.

State Planning Policy 2.8 – Bushland Policy for the Perth Metropolitan Region	This policy is to provide a policy and implementation framework that will ensure bushland protection and management issues in the Perth Metropolitan Region are appropriately addressed and integrated with broader land use planning and decision making. This will secure long-term protection of biodiversity and associated environmental values.
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3.2 CITY OF KALAMUNDA POLICY FRAMEWORK

Listed below are the key local planning documents the City utilises in the development of POS:

Local Planning Scheme No.3 (LPS3)	Sets out the planning framework and requirements for land use planning within the City. Identifies local reserves and ensures appropriate land uses in proximity of POS.
Local Planning Strategy 2010	Guides the strategic directions for future land use planning within the City. A new Local Planning Strategy is being prepared and is expected to be adopted 2018-19.
Local Planning Policy ENV 4 – Flood and Stream Management	Sets out the framework for permitting and encouraging a coordinated land and water management program so that passages of water are not obstructed and natural public water areas in the City are not destroyed.
Local Planning Strategy 2018	The POS Strategy will be a component of the Local Planning Strategy 2018 which will guide the strategic directions for future land use planning within the City from 2018 and beyond.
Local Biodiversity Strategy 2008	The Biodiversity Strategy strategically plans natural area protection so that biodiversity conservation is incorporated into the City's planning and decision making processes.

4.0 POS EVALUATION

To determine the City's POS requirements, the City conducted a detailed evaluation of the current POS provision. The aim of the process was to evaluate each site in relation to the distribution, classification, functions, level of infrastructure and maintenance standard, functionality, usability, environmental value and accessibility. The evaluation was conducted in three stages; Land Identification, POS Audit and POS Assessment.

Stages	Criteria
Identification	Distribution
Audit	Classification
	Functions
Assessment	Location
	Usage Value
	Care and Maintenance
	Environmental Value

4.1 POS Identification

POS provision is calculated as a percentage of Local Open Space zoned land or the land identified for the purpose of public recreation under LSP3 calculated as a percentage of the suburb's gross subdivisible area (calculation area). The calculation area accords with the guidelines of Element 4 of Liveable Neighbourhoods and consists of:

- Land zoned Urban by the Metropolitan Regional Scheme (MRS); and
- Any additional land identified as Residential R5 or above by LPS3.

Land deducted from the calculated area consists of:

- Land not identified as Urban by the MRS (Appendix 1)
- Regional Open Space, Conservation Areas and Bush Forever (Appendix 1)
- Town Centres and Commercial Zoned land
- Regional Roads
- Transmission Corridors
- Drainage Reserves and Water Supply Purposes
- Schools
- Public Purpose Reserves (Appendix 1)
- Any additional land uses not identified as Residential or Local Open Space by the LPS3 (Appendix 1)

Liveable Neighbourhoods requires a minimum statutory contribution of 10 per cent of the gross subdivisible area (calculation area) to be POS. See Appendix 4 for suburb breakdown of POS provided.

Research by Middle, Tye and Middle (2011) recommends 6.5m² of sports playing space per resident to be provided within a suburb or district, or 1.4% subdivisible area for organised sport of new suburbs. Research by Middle (2014) recommends an additional 9.2m² per resident for the 'buffer' which includes car parking areas, spectator areas club rooms and other components which form part of the passive open space area of a sports reserve. The calculation excludes conservation areas, stormwater management and seasonally wet areas. This results in a 1.4:1 ratio of buffer to sports playing space and therefore a recommended allocation of 15.7m² per resident for sports reserves (playing space plus buffer). Utilising the 1.4:1 ratio, new suburbs would require 3.36% subdivisible area be allocated to sports reserves. See Appendix 5 for a suburb breakdown of sports space provided and future provision required. Note that these are guidelines and not a statutory provision.

4.2 POS Audit

The POS Audit identifies all of the City's POS reserves and the ROS reserves that serve multiple functions and are managed by the City. These reserves are classified into the following classifications:

- Local Open Space (LOS);
- Neighbourhood Open Space (NOS);
- District Open Space (DOS);
- Regional Open Space (ROS);
- Biodiversity Asset; and
- No Classification (Reserves that serve no function)

In addition to the classification, the reserves are identified by the following functions they serve:

- Recreation Spaces;
- Sport Spaces;
- Nature Spaces; and
- No Function (Reserves that do not provide any of the above functions)

4.3 POS Assessment

An assessment matrix (Appendix 11) was developed to assess each reserve for its level of infrastructure and maintenance standard, functionality, usability, environmental value and accessibility. The matrix is divided into the following categories:

- Location
- Usage Value
- Care and Maintenance
- Environmental Value

Each category has features which a reserve is assessed against allocating scores of 1-5. Each reserve is given an average score which in turn gives it a rating. The reserves deemed as Biodiversity Assets are not assessed against the assessment matrix as the matrix is not applicable and instead those reserves are flagged for future environmental assessment to determine their value.

The rating distribution is given as follows:

Average Score	Rating
4+	A
3 - <4	B
2 - <3	C
1 - <2	D

Refer to Appendix 10 for full POS Assessments.

4.4 EVALUATION RESULTS

4.4.1 FORRESTFIELD

- 63 hectares of POS provided at 11.12% of the urban area.
- Additional approx. 7ha of POS provided above the 10% requirements.
- 18 Local Parks, 10 NOS, 2 ROS (Hartfield Park and Pioneer Park), 5 Biodiversity Assets, 2 parks with no classification.
- Utilising the calculations by Middle, Tye and Middle (2011) and Middle (2014), Forrestfield exceeds sports reserve requirements for 2018 (21.37ha) and future predicted 2036 requirements (26.81ha) with 35ha provided, however this area may need to compensate for under supply in adjacent areas (Wattle Grove and High Wycombe).
- D - 7 parks
- C – 15 parks
- B – 9 parks
- A – 1 park
- Forrestfield has a good distribution of POS to serve the community. The entire Forrestfield urban area is within 400m of POS.
- 67% of the POS assessed are either a C or D which will require significant resources to improve the quality of reserves in Forrestfield.
- Forrestfield has significant amounts of ROS within the urban area and outside the urban environment. These include reserves frequently utilised by the public for outdoor recreation, organised sport and conservation purposes. Reserves include Hartfield Park, Pioneer Park and Mundy Regional Park. It is noted that Pioneer Park previously served an organised sport space function, however that function has ceased and requires significant remediation to become a functioning sports space again. It currently is fenced off and has very limited access and use. Pioneer Park will require further investigation into its potential future use. Pioneer Park is not included as part of POS or sports space calculations.

4.4.2 FORRESTFIELD NORTH

- Forrestfield North DSP is a total of 264.1 hectares.
- The residential precinct is approximately 110ha, with approximately 88ha to be zoned residential.
- The DSP has Bush Forever along Poison Gully.
- Current draft Structure Planning of the residential precinct has approximately 17ha of POS at approximately 14% of the residential area. This provides approximately an additional 8ha above the 10% provision.
- It has been identified within Forrestfield North that there are large areas of environmental significance which will lead to POS being more recreation and nature space focussed.
- Given High Wycombe is below POS requirements, the Forrestfield North area which is within High Wycombe is likely to provide over the 10% POS requirements which will allow High Wycombe to achieve the 10% provision.
- Utilising the calculations by Middle, Tye and Middle (2011) and Middle (2014), Forrestfield North is predicted to require 10 hectares of sports reserve by 2036 (15.7m² per resident). Utilising the alternative method of 3.36% of subdivisible area sports reserve requirements will be approximately 5 hectares. Additionally Forrestfield North may have to provide for High Wycombe's shortfall in sports space. However, given the environmental constraints of Forrestfield North it may be difficult to provide the sports space required.
- A site on Brand Road which was previously a landfill site has been identified as a potential sports space. This site will require investigation into the costs associated with remediating the site to be a functioning sports space. The site has the potential to provide a reserve of approximately 9 hectares.

4.4.3 GOOSEBERRY HILL

- 8 hectares of POS provided at 2.39% of the residential area.
- Additional 27 hectares of POS required to achieve the 10% provisions.
- 1 LOS, 1 NOS, 12 Biodiversity Assets, 2 parks with no classification.
- Gooseberry Hill provides no sports space. Neighbouring suburb Maida Vale exceeds sports space requirements significantly, and Kalamunda is below sports space requirements.
- D – 2 parks
- C – 1 park
- B – 1 park
- Biodiversity Assets account for the majority of Gooseberry Hill's POS. 12 of Gooseberry Hill's 16 POS reserves are Biodiversity Assets.
- There are few reserves providing a recreation function or multiple functions in Gooseberry Hill. Only 2 of 16 reserves are LOS or NOS, with no DOS. A limited amount of the urban area is within 400m of one of these reserves.
- Gooseberry Hill urban area is made up of properties that are zoned either R5 or R10. Therefore, there is a significant amount of private open space provided, reducing the necessity of the POS 10% provision.
- The quality of LOS and NOS level parks is low.
- Gooseberry Hill has a significant amount of ROS which is largely utilised for recreation and nature space purposes, reducing the necessity of POS 10% provision. That includes Ledger Road Reserve and Gooseberry Hill National Park.
- Given the context of the suburb, meeting the 10% provision is not considered applicable. The focus should be on improving the quality of existing POS in Gooseberry Hill.

4.4.4 HIGH WYCOMBE

- 41 hectares of POS provided at 8.68% of the urban area.
- Additional 6 hectares required to meet 10% provisions.
- 18 LOS, 6 NOS, 1 DOS (Scott Reserve), 4 Biodiversity Assets, 4 parks with no classification.
- Utilising the calculations by Middle, Tye and Middle (2011) and Middle (2014), High Wycombe is below sports reserve requirements. 7.12ha is provided in lieu of the required 19.72ha for 2018 and 21.88ha for 2036. Neighbouring suburbs Forrestfield and Maida Vale exceed sport reserve requirements and future developments in Forrestfield North and Maida Vale South may account for the sports space shortfall.
- D – 5 parks
- C – 12 parks
- B – 9 parks
- A – 2 parks
- High Wycombe has a good distribution of POS. Almost the entire High Wycombe urban area is within 400m of POS.
- Forrestfield North DSP is within High Wycombe. Current draft Structure Planning of the Forrestfield North residential precinct has approximately 17ha of POS at approximately 14% of the residential area. This provides approximately an additional 8ha above the 10% provision for the site. This will allow High Wycombe to exceed its 10% provision. 60% of POS assessed are either a C or D which will require significant attention to improving the quality of reserves in High Wycombe.
- There are two ROS areas located in High Wycombe, a Bush Forever Reserve to the north, and Poison Gully to the south which borders the Forrestfield North DSP Area. These parcels largely serve recreation and nature space purposes.

4.4.5 KALAMUNDA

- 36 hectares of POS provided at 5.80% of the urban area.
- Additional 26 hectares required to meet 10% provisions.
- 5 LOS, 2 DOS (Kostera Oval and Stirk Park), 23 Biodiversity Assets, 4 parks with no classification.
- Utilising the calculations by Middle, Tye and Middle (2011) and Middle (2014), Kalamunda is below sports reserve requirements for 2018, 7.7ha in lieu of 11.8ha, and predicted 2036 requirements, 14ha.
- D – 5parks
- C – 4 parks
- A – 2 parks
- Biodiversity Assets account for the majority of Kalamunda POS.
- LOS, NOS and DOS parks only capture a portion of the urban area within a 400m walkable catchment. When incorporating Biodiversity Assets, the majority of the urban area is captured.
- The quality of Local Parks/no classification is low.
- Kalamunda urban area has significant areas made up of blocks that are zoned either R5 or R10. Therefore, there is a significant amount of private open space provided, reducing the necessity of POS 10% provision in these areas.
- Within close proximity to the Town Centre the housing densities are higher and POS provided is much higher.
- Kalamunda has a significant amount of ROS which is largely utilised for recreation and nature space purposes, reducing the necessity of POS 10% provision. That includes Jorgensen Park and Mundy Regional Park.
- Given the context of the suburb, meeting the 10% provision is not considered applicable. However, given Kalamunda is significantly below sports space requirements, it will be the provision of sports space POS that needs to be rectified.

4.4.6 LESMURDIE

- 41 hectares of POS provided at 6.07% of the urban area.
- Additional 26 hectares of POS required to meet 10% provisions.
- 6 LOS, 5 NOS, 1 ROS Park (Ray Owen Reserve), 32 Biodiversity assets, 3 parks with no classification.
- Utilising the calculations by Middle, Tye and Middle (2011) and Middle (2014), Lesmurdie is below sports reserve requirements. 10ha provided in lieu of 13.5ha for 2018 and 2036.
- D – 4 parks
- C – 5 parks
- B – 4 parks
- A – 1 park
- LOS, NOS and ROS parks capture a large portion of the urban area within a 400m walkable catchment. When incorporating the Biodiversity Assets almost the entire urban area is captured.
- Lesmurdie urban area has significant areas made up of blocks that are zoned either R5 or R10. Therefore there is a significant amount of private open space provided, reducing the necessity of POS 10% provision in these areas.
- Lesmurdie has a significant amount of ROS which includes Ray Owen Reserve used for the purpose of organised sport and nature space and Mundy Regional Park used for the purpose of recreation and nature space purposes, reducing the necessity of POS 10% provision.
- Given the context of the suburb, meeting the 10% provision is not considered applicable. However, given Lesmurdie is significantly below sports space requirements, it will be the provision of sports space POS that needs to be rectified.

4.4.7 MAIDA VALE

- 19 hectares of POS provided at 9.08% of the urban area.
- Additional 2 hectares of POS required to meet the 10% requirements.
- 6 LOS, 2 NOS, 1 ROS (Maida Vale Recreation Reserve), 8 Biodiversity Assets.
- Utilising the calculations by Middle, Tye and Middle (2011) and Middle (2014), Maida Vale exceeds sports space requirements for 2018 and future predicted 2036 requirements – 14.37ha provided.
- D – 1 park
- C – 4 parks
- B – 4 parks
- The entire Maida Vale urban area is within 400m of POS.
- Maida Vale has areas of low density where large amounts of private open space are provided.
- Maida Vale has an additional 9 hectares of POS outside the POS calculation area amongst its rural zoned lots.
- Regional Open Space is provided within Maida Vale in the form of Bush Forever for the purpose of conservation and Maida Vale Recreation Reserve for the purpose of organised sport and nature space purposes.
- Maida Vale South has been identified for future urban development and will need to provide 10% POS. Maida Vale's shortfall can be picked up through the development of Maida Vale South by exceeding the 10% provision. Maida Vale South may also be required to pick up the sports reserve shortfall of High Wycombe.

4.4.8 RURAL EAST-WALLISTON

- 2 hectares of POS provided at 6.33% of Bickley's urban area.
- 0 hectares of POS provided in Carmel's urban area.
- 3 hectares of POS provided at 4.31% of Walliston's urban area.
- 2 LOS, 1 DOS (George Spriggs Reserve), 10 Biodiversity Assets, 2 park with no classification.
- Utilising the calculations by Middle, Tye and Middle (2011) and Middle (2014), Rural East-Walliston region meets sports space requirements for 2018 and 2036.
- D – 2 park
- C – 2 parks
- B – 1 park
- Biodiversity Assets account for the majority of Rural East-Walliston POS.
- All urban within the Rural East suburbs is zoned R5 and either R5 or R10 in Walliston. The low density housing provides significant amounts of private open space. The majority of the Rural East suburbs are zoned rural and therefore doesn't require the provision of POS.
- Within the rural areas of Rural East-Walliston, Bickley has 3 hectares of POS, Carmel has 4 hectares of POS and Pickering Brook has 41 hectares of POS.
- There are large areas of ROS in the Rural East suburbs serving the purpose of outdoor recreation and nature space purposes, reducing the necessity of POS 10% provision. These parcels include Kalamunda National Park, Greenmount State Forest and Korung National Park.
- Given the context of the region, meeting the 10% provision is not considered applicable.

4.4.9 WATTLE GROVE

- 29 hectares of POS provided at 17.43% of the urban area.
- Additional 12 hectares provided above the 10% requirements.
- 7 LOS, 2 NOS, 4 Biodiversity Assets, 2 parks with no classification.
- Wattle Grove provides no sports reserves. 10.3ha required for 2018 and 11.35ha required for 2036. Neighbouring suburb Forrestfield exceeds sports space significantly.
- D – 2 parks
- C - 4 parks
- B – 5 parks
- The entire Wattle Grove urban area is within 400m of POS.
- Two Bush Forever parcels located within Wattle Grove, one being a portion of Hartfield Park used for nature space purposes.
- Additional 2 hectares of POS provided within Wattle Grove rural areas.
- Wattle Grove urban area is currently in the process of urban development and therefore areas of allocated POS are yet to be developed.
- Wattle Grove South has been identified for future urban development and will be required to meet the 10% provision. Given Wattle Grove provides no sports space and the Foothills will be below sports space requirements, this will be required to be picked up in the Wattle Grove South development.

4.5 COMMUNITY ENGAGEMENT

Public advertising of the draft Strategy was undertaken from early December 2017 to late February 2018. The public advertising period allowed the public, clubs, organisations, community groups and State Agencies the opportunity to comment on the Strategy through a variety of methods including a survey, workshops, information stalls and submissions.

Refer to Appendix 14 for full Community Engagement Outcomes Report.

The community expressed many key values and attributes they like about POS that need improvement or could be implemented.

List of Priority Improvement and Implementation Items

The following upgrades should be prioritised when improving POS:

1. Playgrounds
2. Revegetation
3. Beautification
4. Improved maintenance schedule
5. Seating
6. Amenities – toilets, lighting and bins
7. Footpaths
8. Clubrooms
9. Playing fields and sports infrastructure

The following items should be prioritised for implementation when improving POS:

1. Nature playgrounds
2. Native vegetation
3. Seating
4. Shade Structures
5. Playing fields and sports infrastructure
6. Amenities – toilets, lighting and bins
7. Fenced dog walking areas
8. Basketball court
9. Soccer goals
10. Walking/Running/Cycling tracks
11. BBQs
12. Community Gardens

The upgrades and implementation should be considered on an individual basis, for what is most appropriate for the reserve and the locality. Refer to Appendix 12 for list of reserves that require improvement.

Specific items were mentioned for reserves or areas. A swimming pool at Hartfield Park or the Foothills was one such idea expressed. Scott Reserve was also identified as a reserve that requires improved sporting facilities. The community expressed a desire to continue and improve the presence of community groups at reserves and also consider support for the establishment of community gardens. The community expressed their desire for a fenced dog park within the City, more nature playgrounds and basketball courts and/or soccer goals at

small parks. During the improvement of POS process, these specific items should be individually investigated into opportunities for implementation.

The community identified reserves which should be considered for improvement, transfer and amended classification and ratings. These comments have been reviewed as part of the finalisation of the Strategy. The community expressed the importance that POS plays in providing ecological links between large regional reserves and the benefits this provides not only from an environmental perspective, but also a health and wellbeing perspective. It is important that these ecological links are enhanced. The importance of POS provides a link to areas of key interest, particularly cycle and walking trails such as the Zig Zag, Railway Heritage Trail and Bibbulmun Track. Improving these key linkages through improved access and landscaping is an opportunity for the City to explore.

4.6 OBSERVATIONS

Quality of POS

During the assessment process it was evident that the quality and functionality of the smaller local parks is generally quite low. In comparison most NOS, DOS and ROS parks are of a reasonable standard. The larger, multi-function reserves are more attractive to residents, have greater usage and are an easier maintenance asset than the dispersed low usage small local parks. In summary the focus going forward should be providing attractive multi-function POS and rationalising any small LOS. The NOS and larger LOS provide an opportunity for more uses and therefore strategic sites in addition to sites of poor quality should be identified for improvement.

Of concern is the amount of reserves across the City that serve no functionality. These reserves have very limited conservation function, no aesthetic qualities and provide no recreation function, whether it is organised sport or casual recreation. These parks require further investigation as to whether they are worthy of retention, and if retained they require significant investment to improve. Refer to Appendix 12 for list of low quality and low function reserves. A Land Assessment Report was conducted by Hester Property Solutions in 2011 (Hester Land Assessment Report 2011), which assessed the City's assets for their value and subsequent recommendations. Many POS reserves were given recommendations for potential transfer or improvement. Many of the recommendations for potential transfer and improvement of reserves is reflected in the Hester Land Assessment Report 2011.

There are significant areas of POS utilised for drainage purposes. Many of these drainage areas are poorly landscaped and will require their design and management to be reviewed.

Some of the key aspects of low quality POS that were evident included the following:

- Limited lighting and passive surveillance
- Limited access to POS for pedestrians, cyclists and public transport
- Limited pedestrian access within POS
- Limited disability access provisions provided
- Poor aesthetics and low quality facilities, playgrounds and equipment
- Limited amenities

Functions of POS

There is a clear difference in the type of reserves servicing the Foothills in comparison to the Hills. The Foothills provide a lot of sport and recreation based reserves, whereas the Hills mostly consist of nature and recreation based reserves.

Quantity of POS

Only Forrestfield and Wattle Grove achieve the 10% POS provision. These areas include relatively new developments which have gone beyond the 10% requirement. Achieving the 10% is very difficult in the Hills suburbs and not entirely applicable considering the low density residential areas with large amounts of private open space, rural areas and significant areas of regional, state and national parks which provide recreation and conservation purposes. Although Maida Vale does not achieve the 10%, the future Maida Vale South urban area will fulfil the shortfall. Maida Vale also has Maida Vale Recreation Reserve which is regional open space and isn't included in the calculation, if this reserve which serves organised sport and conservation functions was included, the suburb achieves the 10% provision. As part of the Forrestfield North development, POS is likely to exceed the 10% allocation and will allow High Wycombe to achieve the 10% POS provision.

Sports Space

Forrestfield, Maida Vale and Rural-East Walliston either achieve sports space requirements or exceed them. Kalamunda, Lesmurdie and High Wycombe are below provisions. Gooseberry Hill and Wattle Grove provide no sports space. The Foothills meet sports space requirements for 2018, however will be below those provisions by 2036. The Hills are below sports space requirements for 2018 and 2036. It should be taken into consideration that sports space serves the local, district and regional community. Therefore, the local, district and regional context should be taken into account.

Noting that sports space requirements by Middle, Tye and Middle (2011) and Middle (2014) are guidelines and not statutory requirements, the Foothills are predicted to require approximately 80ha of sports reserve space by 2036, with 64ha currently allocated, an additional 16ha required over the next 18 years. The Darling Range Master Plan adopted by the City in 2013 concluded that an additional 9.32ha would be required by 2031 utilising a different methodology, however also identified potentially between 13-26ha required using various methodologies including the one used by Middle, Tye and Middle (2011).

An officer level review of the existing capacity of the sports spaces concluded the following:

- Hartfield Park is at capacity. The rugby league club have no official 'home' and are temporarily based at the cricket club. The soccer club is expanding which requires additional space. The hockey club and tee ball club as part of the Hartfield Park Masterplan are to be relocated to where the Pony Club was located. This will see the rugby league club and soccer club utilise the current hockey club ground. This can only be a short term solution due to continued expansion of these clubs and restricted space.
- Scott Reserve utilised for cricket and AFL is coping with existing usage, however clubs have expressed interest in improved facilities and additional space.

- Maida Vale Reserve utilised for soccer, tee ball, soft ball and baseball is coping with existing usage. Water provisions will limit further expansion.
- Kostera Oval utilised for cricket and AFL is coping with existing usage.
- Ray Owen Reserve utilised for cricket and AFL is reaching capacity with the expansion of both sports, in particular the cricket club which has to utilise other venues for home games on occasion. The Ray Owen Masterplan identifies an expansion of sports playing space. This will be dependent on water provisions.

As part of the Forrestfield North development, sports space could be provided in order to allow High Wycombe to achieve sports space requirements and to reduce the pressure on Hartfield Park. It should be noted that Forrestfield North has limited scope for sports space and will likely consist mostly of reserves serving a passive or conservation purpose. An old landfill site on Brand Road has been identified as a potential location for a sports reserve, the costs of remediation will have to be investigated to identify if this option is viable. The site has the potential to provide a reserve of approximately 9ha. Sports space for High Wycombe may have to be identified elsewhere pending the outcomes from the landfill investigations. The future development of Maida Vale South has the potential to provide for the future sports space requirements. Given Wattle Grove's predicted high population rise over the next 20 years it should be investigated into how sports space can be provided in the area. This could be achieved through the development of Wattle Grove South. Pioneer Park in Forrestfield previously provided a sports space function, however was not remediated effectively and as such is no longer used for this purpose. Given the requirement for more sports space in the City, further investigation into the remediation of Pioneer Park will be required to identify if this option is viable. Other options for acquisition are limited, with no vast areas available for sports space. Any vast areas have significant environmental value and are reserved as Parks and Recreation. Acquisition of large areas of residential or rural land is financially unviable. Cooperation with private and public schools to provide joint use community and recreation sporting facilities provide a potential option for providing sports space.

The Hills currently provide 25ha of sports reserves, with 36ha required for 2018 and 40ha predicted to be required by 2036, an additional 15ha, as per Middle (2014) guidelines. Given the context of the Hills; low density urban development with significant areas of regional open space and limited capacity for development due to bushfire, environmental factors, geology, landscape and fragmented landownership, providing for an additional 15ha can be considered difficult to achieve. Any vast areas have significant environmental value and are reserved as Parks and Recreation. It may be required that one of these sites is investigated for a multi-purpose reserve. Acquisition of large areas of rural or residential land is financially unviable. It is likely the Foothills will have to compensate for the Hills limited sports space through existing sports reserves and future sports reserves. Maida Vale's surplus of sports space for example can cater for Gooseberry Hill. Kalamunda and Lesmurdie will have to be catered for through the identification of an acquisition site (potentially in the Foothills), master planning of existing sports spaces to cater for higher capacities and collaboration with local private and public schools to provide joint use community and recreation sporting facilities is an important consideration. It should also be noted that the guidelines for sports space allocation are based on population, not other factors such as age structure. Given the ageing nature of the Hills suburbs in particular, the demand for sports space may not be as high as predicted.

The following school sites and adjacent reserves may provide an opportunity for joint use community and recreation sporting facilities:

School/Reserve	Comments
Darling Range Sports College	The Darling Range Master Plan 2013 investigated the possibility for additional sports space at Darling Range Sports College, however found this option is limited. Currently has existing sports ground.
Matthew Gibney Catholic Primary School/Ollie Worrell Reserve	The school owns approximately half Ollie Worrell Reserve, with the rest owned by the City. Would be a small facility.
Lesmurdie High School	Has existing sports ground. Any expansion of sports space would impact upon natural vegetation on school site. Any significant expansion would require encroachment into adjacent reserve which is currently zoned as Parks & Recreation.
Mazenod College	Has two existing sports grounds. Potential of limited expansion of main sports ground. Mazenod have sports clubs which compete in district and regional junior competitions and also utilise Ray Owen Reserve.
Saint Brigid's College	Has two existing sports grounds. Limited ability for expansion. Would be a small facility. Lesmurdie Junior Football Club and St Brigid's junior sporting clubs use the sports grounds.
Gooseberry Hill Primary School/Ledger Road Reserve	Has existing sports ground. Opportunity for expansion at the adjacent Ledger Road Reserve which is zoned as Parks & Recreation. Ledger Road Reserve will need to be investigated for remediation required, particular closest to the school as it was a previous landfill site.
Falls Road Primary School/Fred Eversden Reserve	Has existing sports ground. Opportunity for expansion at adjacent Fred Eversden Reserve which has been classified as Neighbourhood Park. Reserve has significant natural vegetation, tennis courts and Men's Shed club.
Kalamunda Primary School/East Terrace Reserve	Has an existing sports ground. Opportunity for expansion at the adjacent East Terrace Reserve. East Terrace Reserve has significant native vegetation. Dealing with topography will be a significant challenge.
Mary's Mount	Has an existing sports ground. No opportunity for expansion. Potential for junior sports.

As part of any sports space facility master planning of new or existing sites, the implementation of synthetic turf should be considered. Given the City's shortfall of sports space and increasing demand on existing sports space, grassed reserves will be heavily impacted by increased use, requiring increased maintenance and further costs to maintain. In addition to this, grassed reserves require significant amounts of water to maintain, which is a significant cost. Synthetic turf is a cost effective option, which can withstand heavy usage, has low maintenance costs, with the only major cost being periodic replacement. The City of

Melville (Melville) have incorporated synthetic turf at Murdoch University for soccer use. Melville identified the need for synthetic turf for the following reasons:

- There is a limitation on irrigation water.
- Melville identified a requirement for additional active sports grounds to cater for the increasing population.
- There is a general overuse of sporting fields in Melville.
- The turf growth slows during colder months when at its highest use.
- The number of users is beyond the turfs ability to recover.
- The increased length of the sports season does not allow for an adequate recovery period before summer sports re-start.

(City of Melville 2012)

The synthetic turf that has been implemented is considered to be high quality FIFA approved playing surface. Any synthetic turf implemented by the City will have to be similar high quality to cater for sports such as soccer.

The City has limited POS locations which provide the opportunity for casual sports play, such as half-court basketball courts, standalone soccer or AFL goals, and table tennis tables. The community expressed a desire for more casual sports infrastructure. Opportunities should be investigated within improvement sites identified in Appendix 12.

Given that it is predicted that by 2036 approximately 30ha of sports space will be required, appropriate forward planning should be undertaken to cater for this demand. 30ha equates to approximately three large multi-purpose sporting reserves of 10ha each. The Strategy recommends that the City work towards at least three additional multi-use sports reserves (approximately 10ha in size) by 2036 with the following schedule (subject to project specific briefs and information available at the time. The schedule should be reviewed periodically. Noting variations to the 10ha recommended size and other factors may require additional or a reduction in the number of reserves):

- Short-Long Term (2018-2036) – Undertake and review Master Planning of existing sports grounds. Improve facilities, playing surfaces, amenities, aesthetics, access and maximise capacity. Investigate opportunities for synthetic turf.
- Short-Long Term (2018-2036) – Identify and collaborate with local schools to provide joint-use sporting facilities. Hills suburbs should be first priority.
- Short Term (2018-2024) –Implement a new sports ground in Foothills. Potential locations being Brand Road Landfill site and Pioneer Park.
- Medium Term (2024-2030) –Implement a second sports ground in Foothills. Potential locations being Brand Road Landfill Site, Pioneer Park and future Wattle Grove South.
- Long term (2030-2036) –Implement a third sports ground in an appropriate location in the City. Potential Foothills locations being Brand Road Landfill Site, Pioneer Park and future Wattle Grove South. Further investigations will need to be undertaken to identify potential a Hills site.

Nature Space

It is evident there are a larger occurrence of Biodiversity Assets and parks that serve a nature function in the Hills compared to the Foothills. This is expected in the Hills given the character of the area and the lower density urban environment. Maintaining this character and value is important moving forward. It is also vital that nature spaces are protected and further

enhanced in the Foothills. The Foothills are expected to experience significant urban growth, therefore reducing natural vegetation in the area in the process. The future Environmental Planning Strategy will be responsible for protecting native vegetation in the private realm, where native vegetation is at significant risk due to clearing for higher densities. Offset areas will need to be identified in the Hills and Foothills to offset the impact of urbanisation. Nature spaces in general will need to be continued to be improved to provide an 'urban forest' and to enhance the environmental values of the City. This requirement has been identified in the Kalamunda Achieving – Corporate Business Plan 2017-2021. The Environmental Planning Strategy, Local Biodiversity Strategy 2008 and Local Environment Strategy 2018 will help inform the actions of the Local Planning Strategy 2018 relating to environmental protection.

A key focus of the Strategy is to protect the natural values the City possesses with its POS. Biodiversity Assets have been identified for further investigation of their values and to provide a level of future strategic protection. Assessment of Biodiversity Assets are to be undertaken with the appropriate methodology, which is to be determined during the scoping of the Project Brief phase. The methodology utilised to assess Biodiversity Assets should consider the ecological value assessment matrix in the Local Biodiversity Strategy 2008 and recognised contemporary environmental assessment methodologies.

There are however reserves that are identified for improvement or transfer that may require the removal of degraded vegetation. Therefore it is recommended that as part of any improvement or transfer where native vegetation is to be removed, that three times the number of 'significant trees' removed are replaced at a reserve in the same locality or at a reserve which has an improvement project being undertaken. Where feasible the removal of native vegetation should be avoided.

There are many reserves in the City where Friends Groups are established to help maintain and enhance reserves. The City should continue to assist existing Friends Groups and advocate for Friends Groups to form at local reserves which do not have an existing group. Friends Groups not only assist in enhancing the environmental integrity and appeal of reserves, but also create a sense of community amongst members.

Conclusion

Given the considerations mentioned above in results, community engagement and observations, rectifying the issues that have been observed and enhancing the qualities observed will be demonstrated in the Strategic Directions and Actions of the Strategy.

5.0 STRATEGIC DIRECTIONS AND ACTIONS

Short Term: 1-3 Years

Medium Term: 4-8 years

Long Term: 9 Years plus

Objective			
Strategic Direction	Action	Priority	Responsibility
Protect environmentally significant areas from encroaching development.			
1.1. Native plant species to be prioritised over exotic species for revegetation.	1.1.1. Any form of POS development, whether it be through subdivision, acquisition or improvement to ensure that only native species are planted unless there is a significant cultural or heritage reason otherwise.	Ongoing	Parks and Environment / Statutory Planning / Strategic Planning / Community Development / Assets
1.2. To reduce water consumption, water sensitive plants to be used for revegetation.	1.2.1. Any form of POS development, whether it be through subdivision, acquisition or improvement to ensure that only water sensitive vegetation is planted unless there is a significant cultural or heritage reason otherwise.	Ongoing	Parks and Environment / Statutory Planning / Strategic Planning / Community Development / Assets
1.3. To assess the quality of POS reserves classified as biodiversity assets and reserves with a nature function to be considered for assessment.	1.3.1. Assessments of the Biodiversity Assets and nature reserves identified in this Strategy to be undertaken by the City. Assessment methodology to consider the ecological viability assessment matrix identified in the Local Biodiversity Strategy 2008 and recognised contemporary environmental assessment methodologies.	Short Term	Parks and Environment
1.4. Biodiversity assets to be environmentally enhanced.	1.4.1. Utilising this Strategy as an overarching authority, a project specific brief for the improvement of Biodiversity Assets should be prepared and undertaken. The assessments of Biodiversity Assets in Action 1.3.1 are to inform the improvements required. Any improvements are for environmental enhancement (tree planting, pest and disease mitigation, wildlife habitat etc.) or to be complimentary (footpaths, seating etc.). Improvements should not impact on the environmental integrity of the reserve unless unavoidable for bushfire mitigation reasons.	Medium Term (Project Brief)	Parks and Environment
1.5. Identify reserves that can be rehabilitated / revegetated through offset plans.	1.5.1. Utilising this Strategy as an overarching authority, a project specific brief for the development of a framework that identifies all available land areas that can be rehabilitated / revegetated through offset plans for the City to be utilised as environmental offsets. The Environmental Planning Strategy, Local Biodiversity Strategy 2008 and Local Environment Strategy are to assist in informing rehabilitation and revegetation plans and offset areas.	Short Term	Parks and Environment
1.6. Ensure any lost native vegetation is replaced.	1.6.1. Where the removal of native vegetation at a POS reserve is proposed due to improvements or transfer, 'significant trees' removed are to be replaced by three times the number of 'advanced trees' either at the reserve, reserve in the locality or a reserve which has an improvement project to be undertaken within 12 months of the tree removal.	Implement from 2019 - Ongoing	Parks and Environment / Strategic Planning / Assets / Community Development

1.7. Assist and advocate for Friends Groups at POS reserves.	1.7.1. Provide resources and assistance to existing Friends Groups to enhance the environmental integrity of reserves.	Ongoing	Parks and Environment
	1.7.2. Actively advocate via social media platforms, City's website and print media for Friends Groups to form at POS reserves which do not have an existing Friends Group.	Initiate 2019 - Ongoing	Parks and Environment / Customer and Public Relations
Optimise the use of the City's resources to achieve effective and efficient POS outcomes.			
2.1. All new Structure Plans and modified Outline Development Plans to allocate POS in accordance with Liveable Neighbourhoods requirements and address deficiencies identified in the Strategy.	2.1.1. Future Structure Plan areas to address POS deficiencies identified in the Strategy with a particular focus on the provision of sports space in High Wycombe and Wattle Grove. It is noted that not all the sports space requirements will be achievable through the future subdivision of Maida Vale South, Wattle Grove South and Forrestfield North urban growth areas.	Ongoing in accordance with Structure Plan timelines – Forrestfield North, Maida Vale South and Wattle Grove South all anticipated to be addressed in the Short-Medium Term.	Strategic Planning
2.2. The City to potentially transfer POS that does not serve any functional benefit to the community. Ensure that any POS identified for potential transfer lacks either active, passive or environmental function.	2.2.1. Utilising this Strategy as an overarching authority, a project specific brief for the transfer of low grade POS sites (identified in Appendix 12) should be prepared and progressed. This process requires community consultation in line with the Community Engagement Protocol outlined in Appendix 13. It is noted that work has already commenced on one site within the City at Cambridge Reserve.	Short Term (Project Brief)	Strategic Planning
2.3. To acquire POS in suburbs where POS is below Liveable Neighbourhoods requirements.	2.3.1. Utilising this Strategy as an overarching authority, a project specific brief for the identification of acquisition sites should be prepared and undertaken with a focus on consolidating and expanding on existing POS areas.	Medium Term (Project Brief)	Strategic Planning
	2.3.2. Funds raised from the transfer of POS and cash-in-lieu to be utilised to acquire sports space sites and POS in suburbs below POS 10% provision.	Medium Term	Strategic Planning / Community Development
2.4. To recommend a cash-in-lieu conditions are imposed for subdivision creating three or more lots.	2.4.1. For any proposed subdivision creating three or more lots, the City will recommend to the Western Australian Planning Commission that it imposes a Public Open Space (cash-in-lieu) condition where appropriate.	Ongoing	Strategic Planning / Statutory Planning
	2.4.2. Prepare Local Planning Scheme provisions to enable the City to recommend cash-in-lieu conditions are imposed for subdivisions creating three or more lots.	Short Term	Strategic Planning / Statutory Planning
2.5. To investigate strategic subdivision of underperforming areas of POS.	2.5.1. Utilising this Strategy as an overarching authority, a project specific brief for the transfer of low grade POS sites (identified in Appendix 12)	Short Term (Project Brief)	Strategic Planning

	should be prepared and progressed. This process requires community consultation in line with the Community Engagement Protocol outlined in Appendix 13. It is noted that work has already commenced on one site within the City at Cambridge Reserve.		
2.6. The City, as funding and resources permit increase the quality of POS for community benefit through an increase in the number of 'A' grade reservations	2.6.1. Utilising the Strategy as an overarching authority, project specific briefs for the improvement of low grade and strategic POS sites should be prepared and undertaken to with aim to increase the number of 'A' grade reservations (identified in Appendix 12).	Initiate Short Term – Ongoing – Refer to Appendix 12 for Priority List	Parks and Environment / Assets / Community Development
	2.6.2. As funding and resources allow, the City should aim to enhance three reserves per annum. Funds raised from the transfer of POS and cash-in-lieu are to be utilised to fund the improvement of POS reserves.	Initiate Short Term – Ongoing – Refer to Appendix 12 for Priority List	Parks and Environment / Assets / Community Development / Strategic Planning / Finance
	2.6.3. By 2023 the City is to undertake an audit of POS Reserves improved in response to Actions 2.6.1 and 2.6.2.	Medium Term	Strategic Planning / Parks and Environment / Community Development
2.7. The City to review P&R Land that is currently developed and prioritise the improvement of undeveloped areas.	2.7.1. The City to liaise with the relevant state agencies in reviewing and assessing developed P&R land and identifying areas that require improvement. The assessment to consider land in relation to future use and the significance for the local area including environmental, drainage, recreational, and tourism opportunities and community values.	Medium Term	Parks and Environment / Assets
2.8. Appropriate planning and policy considerations are developed to support retention of functional POS.	2.8.1. The City prepare a Local Planning Policy (LPP) which states the City is to adhere to Liveable Neighbourhoods – Element 4 Public Parkland design guidelines and includes provisions which are applicable to the local context. 2.8.1.1. The LPP is to stipulate that future POS sites are to be of a Neighbourhood level at a minimum or Biodiversity Assets where important environmental assets are to be protected, with an emphasis on multi-use sites, if such sites cannot be provided as part of subdivision a cash-in-lieu condition to be imposed to fund acquisition of large land parcels and improvement of Neighbourhood, District and Regional level reserves. Development of new POS sites should follow DSR Guidelines.	Short Term	Strategic Planning / Statutory Planning
2.9. Allocated drainage and utilities in POS to be appropriately located, designed, managed and safe.	2.9.1. A project specific brief is to be prepared for the assessment of all drainage and utilities located in POS and implement schedule of improvements. Assessment is to identify drainage and utilities that are poorly located, not well managed, poorly designed and are considered unsafe for the community.	Medium Term (Project Brief)	Assets
	2.9.2. Future POS development to ensure that drainage and utilities are appropriately located, maintained, designed and safe for the community.	Ongoing	Assets
Ensure POS is safe for all members of the community.			
3.1. Phased installation of low level solar powered lighting to be undertaken on park areas of a neighbourhood	3.1.1. A project specific brief to implement a schedule for the installation of low level solar powered lighting through POS sites of a neighbourhood	Medium Term (Project Brief)	Assets

level and above where footpath access is provided to improve site security.	level and above, should be prepared and undertaken where appropriate.		
3.2. Disability access paths to be provided to all parks of a neighbourhood level and above.	3.2.1. Utilising this Strategy as an overarching authority, a project specific brief to implement a schedule for the installation of disability access pathways to all POS sites of a neighbourhood level and above, should be prepared and implemented.	Medium Term (Project Brief)	Assets / Community Development
	3.2.2. Future POS development to ensure that disability access pathways to all POS sites of a neighbourhood level and above are provided.	Ongoing	Assets / Community Development / Statutory Planning
3.3. Ensure passive surveillance of POS is optimised.	3.3.1. The Housing Strategy to address passive surveillance, stating that new subdivisions and Structure Plans are to ensure that houses adjacent to POS are to face reserves and densities surrounding POS to be maximised.	Short Term	Strategic Planning
	3.3.2. The Housing Strategy to identify POS reserves to have increased residential densities in the immediate surrounds.	Short Term	Strategic Planning
Provide high levels of access both within and to POS.			
4.1. To improve pedestrian access traversing through existing areas of POS.	4.1.1. A Project specific brief for the improvement of pedestrian access through low grade POS sites where access has been identified as poor, should be prepared and undertaken. POS of a Neighbourhood level and above are to be prioritised. Pathways are to be constructed to a standard that allows for wheelchair access.	Medium Term	Assets
4.2. To improve pedestrian and cycling access to and from POS.	4.2.1. A project specific brief for the identification of locations for pedestrian and/or shared access pathways to and from POS, and linking with residential areas and activity centres to be prepared and undertaken. POS of a Neighbourhood level and above to be prioritised. Link to Action 3.2.1 and 4.1.1.	Short Term	Assets / Strategic Planning
4.3. To improve public transport access to and from POS.	4.3.1. To liaise with the Public Transport Authority on improving and adding bus routes which link residential areas and activity centres to POS of a Neighbourhood Level and above.	Medium Term	Strategic Planning
Provide the community with health, recreational, organised sport and social opportunities.			
5.1. Acquisition of POS via subdivision and generally funded through Development Contribution Plans.	5.1.1. The City to acquire areas of POS through the subdivision process in accordance with any relevant Development Contribution Plan, Structure Plan, Outline Development Plan and/or any endorsed POS Strategy Plans.	Ongoing	Strategic Planning
	5.1.2. Acquisition of POS through subdivision is to have due regard to ensuring the land meets accessibility and functionality requirements. Ensure the provision of POS through subdivision and Development Contribution Plans addresses POS deficiencies identified in the Strategy with a particular focus on sports space in High Wycombe and Wattle	Ongoing. The acquisition of sports space to utilise the timeline schedule in Section 4.3	Strategic Planning / Community Development

	Grove. It is noted that not all the sports space requirements will be achievable through the future subdivision of Wattle Grove South and Forrestfield North urban growth areas.	Observations (Sports Space) as a guideline.	
5.2. The City is to investigate opportunities to acquire strategically important sites for POS. The acquisitions may include; crown land, land required for POS within an approved statutory framework, or privately owned single lots adjacent to existing POS.	5.2.1. Utilising funds raised through the transfer process and funds collected through cash-in-lieu, the City needs to consider strategic acquisitions for sports space. It is noted that not all the sports space requirements will be achievable through the future subdivision of Wattle Grove South and Forrestfield North urban growth areas. The acquisition of sports space to utilise the timeline schedule in Section 4.3 Observations (Sports Space) as a guideline.	Ongoing. The acquisition of sports space to utilise the timeline schedule in Section 4.3 Observations (Sports Space) as a guideline.	Strategic Planning / Community Development
5.3. The City to develop master plans for Neighbourhood, District and Regional Level reserves identified in this Strategy and Community Facilities Plan as funding and resources allow.	5.3.1. Utilising this Strategy as an overarching authority, master plans for all District and Regional level POS reserves are to be prepared. Master planning to occur for Neighbourhood level reserves identified in the Community Facilities Plan 2011 or rated a C or D in this Strategy. Neighbourhood level reserves not identified for master planning to be reviewed as part of the Community Facilities Plan 2018 and Strategy review. Master plans to be reviewed periodically every 10 years. It is noted that a master plan has already been completed for Hartfield Park 2011 and Ray Owen Reserve 2015, and commenced for Stirk Park and Maida Vale Recreation Reserve. Scott Reserve have been identified for master planning in the Kalamunda Achieving Corporate Business Plan 2017-2023 and Community Facilities Plan 2011.	As per Community Facilities Plan. Master Plans reviewed every 10 years.	Community Development
	5.3.2. Community Facilities Plan 2018 to review Community Facilities Plan 2011 and align with Action 5.3.1.	Short Term	Community Development
	5.3.3. Any Master Planning to consider implementation of synthetic turf.	To be considered at master planning stage	Community Development
	5.3.4. Any Master Planning / Community Facilities Plan in the Foothills to consider incorporating a swimming pool / aquatic centre. In particular a review of the Hartfield Park Master Plan as the most appropriate location subject to appropriate funding.	To be considered at master planning stage	Community Development
5.4. Identify opportunities to create formal and attractive key strategic links between POS and Regional Reserves and popular destinations and links.	5.4.1. A project specific brief is to be prepared to create attractive, formal and easily identifiable and traversable links between Stirk Park and the following key strategic destinations and links: <ul style="list-style-type: none"> ▪ Zig Zag ▪ Bibbulmun Track ▪ Old Railway Heritage Trail ▪ Kalamunda District Activity Centre It is noted that work has already been completed to link the Kalamunda Activity Centre with the Bibbulmun Track. The Kalamunda Activity Centre Plan which work has already commenced, to investigate opportunities for linking all the sites.	Short Term	Strategic Planning

6.0 SUBURB MAPS

Attached as Appendix 5-8 are suburb maps illustrating the City's POS reserves. There are three different maps for each suburb which outline different features. The maps are as follows:

- Rating (Appendix 6)
- Classification (Appendix 7)
- Function (Appendix 8)
- Catchments (Appendix 9)

7.0 REVIEW

The Strategy will be required to be reviewed periodically as required and at least every 5 years as a minimum. It is recommended that the base assessment methodology remains unchanged during periodic review to retain the integrity of the existing Strategy. The City shall support the continual improvement to POS policy (both state and local), strategic partnerships, and operational activities and procedures. In doing so, this will enable the City to deliver efficient and effective POS outcomes.

8.0 IMPLEMENTATION

The Strategy is a long term plan which outlines the future recommendations for POS within the City. Despite a great level of attention to detail to assess the future POS requirements in a holistic manner the City understands that with a lengthy implementation timeframe, situations and circumstances will change. The development component of implementation of the Strategy will be contingent on the successful transfer of unsuitable POS. This factor contributes towards uncertainty in the overall implementation of the Strategy, particularly regarding financial viability, establishment of timeframes and community perception. Within the Implementation phase of the Strategy, the City will prioritise the Strategy's recommendations based on available resources, funding and Council priorities.

8.1 Disclaimer

The City of Kalamunda's Public Open Space Strategy (Strategy) has been developed for the purpose of being a 'point-in-time' guiding document with respect to, amongst other things, the community's recreation, sporting, conservation and environmental management requirements.

Without limiting the purpose of the Strategy, the City does not represent, warrant, undertake or guarantee that the contents of this Strategy will lead to any particular outcome or result and the City reserves its rights to amend, vary or remove any and/or all of the contents of this Strategy, at its sole discretion, from time to time.

All sites contained within this Strategy are subject to further investigation by the City and any future use, direction, acquisition, transfer or development will be subject to consideration by Council, and/or the Minister for Lands, and/or the Department of Planning.

The City shall not be liable for any losses that may result from any third parties' use or reliance on this document. Without limitation such losses shall include, but not be limited to, loss of profits, income, revenue, anticipated savings, contract expectation, commercial opportunities or goodwill.

The City shall not be liable for any reliance that any person, organisation, corporation, government authority, department, or entity of any kind, may place on the contents of this Strategy and the City does not guarantee the accuracy of the information contained herein.

The Strategy is based on City officer interpretation and the best information available to the City's officers at the point in time of the Strategy's formulation.

APPENDIX 1: GLOSSARY

Key Terms

Term	Description
Classification	The category which a reserve is identified.
No Classification	A reserve that does not appropriately fit into any classification.
Function	The primary use and expected activities occurring at a reserve.
Functional	A reserve that is practical and useful for the functions identified at the reserve.
No Function	Spaces that are not practical or useful for recreation, sports and nature spaces.
Significant Tree	Any single or multi-stemmed vegetation, measured at 1m above natural ground level, with a minimum trunk diameter of 300mm or greater, or a multiple stems with a diameter of 150mm or greater. Does not include species on an applicable weed register. If the definition is different in the Local Planning Scheme, the Scheme definition is to be used.
Advanced Tree	Means a tree of mature age and height. An advanced tree to be planted on POS is to be a minimum 90L pot size or greater. If the definition is different in the Local Planning Scheme, the Scheme definition is to be used.
Potential Transfer	The possible change in use of reserve or portion of a reserve to a different use other than public open space, subject to the requirements outlined in Section 1.6.2

Term	Purpose and Function	Access	Typical Size
Biodiversity Asset	Local reserves zoned as Local Open Space under LPS3 that have been identified by the Strategy for environmental protection purposes. Reserves serve primarily a nature space purpose. Either all or the majority of the reserve will be covered by native vegetation. When another function occurs it will have a very minimal footprint on the	Access is usually limited or non-existent to allow for environmental protection. Access will usually be an unsealed path.	Size is variable, however as large reserves are captured as ROS under the MRS (Parks & Recreation), Biodiversity Asset

	reserve. Such uses with a minimal footprint include pathways (sealed or unsealed) to allow for bush walking, dog walking or running. Reserves are not identified as Bush Forever or zoned Parks & Recreation under the MRS.		reserves are typically less than 4ha.
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Classification Framework for POS (Department of Sport and Recreation 2012)

Term	Purpose and Function	Access	Typical Size
Local Open Space (LOS)	LOS is usually small parklands that service the recreation needs of the immediate residential population. LOS is primarily used for recreation and may include small areas of nature space. LOS is unlikely to be used for any formal or informal sport.	Within 400 metres or 5 minute walk.	0.4ha to 1ha.
Neighbourhood Open Space (NOS)	NOS serves as the recreational and social focus of a community. Residents are attracted by the variety of features and facilities and opportunities to socialise. NOS can assist to engender sense of place and protect specific conservation values through retention of nature spaces. NOS may be used for junior sport or sports training if appropriate space is available.	Within 800 metres or 10 minute walk.	1ha to 5ha.
District Open Space (DOS)	DOS is principally designed to provide for organised formal sport. DOS will very likely include substantial recreation space and	Within 2 kilometre or 5 minute drive.	5ha to 15+ha.

	some nature space. DOS design and function should consider biodiversity principles and environmental management goals. DOS serves several neighbourhoods with players and visitors travelling from surrounding districts.		
Regional Open Space (ROS) *Refer to POS Evaluation description of term for the purpose of POS Evaluation.	ROS may accommodate important recreation and organised sport spaces as well as significant conservation and/or environmental features. ROS may provide substantial facilities for organised sport, play, social interaction, relaxation and enjoyment of nature. ROS can assist to protect biodiversity conservation and environmental values through retention of bushland, wetlands and other natural features.	ROS serves one or more geographical or social regions and is likely to attract visitors from outside any one local government area. Users not living within close proximity will use either private vehicles or public transport systems.	Size is variable and dependant on function. When sporting space is identified as a necessary regional function, allocations for playing fields and sports facilities should be 20+ha in area.

Term	Purpose	Description
Recreation Spaces	Recreation spaces provide a setting for informal play and physical activity, relaxation and social interaction.	Recreation spaces enhance physical and mental health through activity that provides relaxation, amusement or stimulation. Recreation spaces can be accessed by all to play, socialise, exercise, celebrate or participate in other activities that provide personal satisfaction or intrinsic reward. Recreation spaces include gardens and open parklands, community gardens, corridor links, amenity spaces, community use facilities, civic commons or squares.
Sport Spaces	Sport spaces provide a setting for formal structured sporting activities.	Sport spaces provide a venue for formal structured sporting activities such as team competitions, physical skill development and training. Sport spaces are designed to accommodate playing surface, buffer zones and infrastructure requirements of specific or general sporting activity. Players and spectators

		attend with the express purpose of engaging in organised sporting activity, training or competition or watching the game. Most sport spaces can also be accessed by community members for informal sport and recreation.
Nature Spaces	Nature spaces provide a setting where people can enjoy nearby nature and protect local biodiversity and natural area values.	Nature spaces provide opportunity for low-impact recreational activities, such as walking, cycling, picnicking, playing, watching or exploring natural features. Nature spaces may include bushland, coastal areas, wetlands and riparian habitats, and geological and natural features. Sites are managed to enable recreational access while protecting local ecological and biodiversity values.

POS Evaluation

Term	Description
Public Purpose Reserves	<p>A deduction as part of the POS calculation. Public Purpose Reserves include the following land uses:</p> <ul style="list-style-type: none"> • Religious Purpose • Library • Hospital • Police Station • Fire Station • Prison • University • Technical School • Special Uses (Public Purpose) • Water Authority • Commonwealth Government • Council Administration and Chambers
Land not identified as Urban by the MRS	<p>A deduction as part of the POS calculation. Land not identified as urban by the MRS includes the following land uses:</p> <ul style="list-style-type: none"> • Industrial • Special Industrial • Rural

	<ul style="list-style-type: none"> • Civic and Cultural
Any additional land uses not identified as Residential or Local Open Space by the LPS3	<p>A deduction as part of the POS calculation. Any additional land uses not identified as Residential or Local Open Space by the LPS3 include the following land uses:</p> <ul style="list-style-type: none"> • Private Clubs and Institutions • Special Use • Service Station • General Industry • Light Industry • Industrial Development • Rural Agriculture • Rural Composite • Rural Conservation • Rural Landscape Interest • Special Rural
Regional Open Space	Land zoned as Parks & Recreation under the MRS.
Conservation Areas	Land identified for the purpose of conservation under LPS3 and Bush Forever sites.
Calculated Area or Subdivisible Area	The total area of land zoned Urban by the Metropolitan Regional Scheme (MRS) and any additional land identified as Residential R5 or above by LPS3 within a suburb. All other zones outside the boundaries of the urban area are not included.
Gross Calculated Area or Gross Subdivisible Area	The total calculated area or subdivisible area of a suburb less deductions (as identified in section 6.0).
Total Sports Reserve Area Required	6.5m ² per resident for playing space plus 9.2m ² per resident for the 'buffer' which equates to 15.7m ² per resident total sports reserve area required.
Sports Playing Space	The turfed or synthetic space of a sports ground utilised for sports competition.
Sports Buffer	The area of a sports ground used for car parking, spectator areas, club rooms and passive open space. Does not include conservation areas, stormwater management and seasonally wet areas.

Assessment Matrix

Term	Description
Number of uses catered for	<p>One of the categories assessed in the assessment matrix (See Appendix 11). The following can be counted as a use:</p> <ul style="list-style-type: none"> • Organised Team Sport (sports may include AFL, cricket, rugby, soccer, hockey etc.) – 1 count for each sport. • Organised Hard-court Sport (sports may include tennis, basketball, netball etc.) – 1 count for each sport. • Casual Play (activities such as kick to kick, throwing a ball between 2 or more participants etc.) – Requires adequate mowed grassed area to be counted. • Casual Hard-court Play (activities include basketball, tennis, netball etc.) – Requires a flat paved/concrete hard-court with the appropriate infrastructure for the activity. • BMX – Must have usable BMX track infrastructure. • Skate Park – Must have the appropriate skate park infrastructure. • Mountain Biking – Must be officially identified as a reserve utilised for mountain biking. • Casual Recreation (activities such as running, cycling and walking) – Requires a pathway traversing through the site or a significantly sized mowed lawn area (such as a sports oval). • Casual Gym – Must have usable gym equipment. • Dog Walking – Must have signage stating dogs are permitted. • Playground – Must have at least one usable playground on site. • Picnic – Must have at least one usable picnic bench. • Nature – Must have a significant amount of healthy natural vegetation that can support an ecological community. <p>Only organised team sport and organised hard-court sport can be counted more than once given they are different sports being counted and not multiples of the same sport.</p>

APPENDIX 2: POPULATION

	Forecast pop.	2018	Forecast pop.	2036	Change 2018-36	Change 2018-36 Percentage	Land Area (ha)	Forecast Population Density (persons per hectare)	2018	Forecast Population Density (persons per hectare)	2036
City of Kalamunda	60,739		76,179		+15,440	25.42%	32,436	1.87		2.35	
Hills	23,009		25,274		+2,265	9.84%	27,950	0.82		0.90	
Kalamunda	7,517		8,969		+1452	19.31%	1,064	7.06		8.43	
Lesmurdie	8,605		8,694		+89	1.03%	1,365	6.30		6.37	
Gooseberry Hill	3,467		3,620		+153	4.41%	895	3.87		4.04	
Rural East- Walliston	3,420		3,991		+571	16.69%	24,626	0.14		0.16	
Foothills	37,730		50,905		+13,175	34.92%	4,485	8.41		11.35	
Wattle Grove	6,586		7,229		+643	9.77%	867	7.60		8.34	
Forrestfield	13,614		17,079		+3465	25.45%	1702 (+30ha in Forrestfield North)	7.99		10.03	
Forrestfield North DSP	310		6,613		+6,303	2033.86%	264	1.17		25.05	

High Wycombe	12,563	13,936	+1,373	10.92%	811 (+234ha in Forrestdfield North)	15.49	17.18
Maida Vale	4,657	6,048	+1,391	29.88%	841	5.54	7.19

APPENDIX 3: DWELLINGS

	Forecast change in dwellings between 2016-2036	
City of Kalamunda	+6988	+31.97%
Hills	+958	11.48%
Kalamunda	+556	+19.07%
Lesmurdie	+ 151	+ 5.15
Gooseberry Hill	+ 54	+4.08%
Rural East - Walliston	+197	+16.82%
Foothills	+6030	+44.61%
Wattle Grove	+546	+28.8%
Forrestfield	+1728	+33.22%
Forrestfield North DSP	+2124	+1913.51%
High Wycombe	+983	+21.17
Maida Vale	+649	+39%

APPENDIX 4: PUBLIC OPEN SPACE CALCULATIONS

Forrestfield	Area Hectares
Suburb Total Area	1702
Total Calculated Area	876.22
Deductions	
Schools	28.17
Town Centres and Commercial	31.89
Drainage Reserves and Water Supply Purposes	1.14
Transmission Corridors	19.37
Regional Open Space and Environment Protection Areas	187.62
Other Land Uses	43.70
Regional Roads	0
Total Deductions	-311.89
Gross Area	564.23
Total POS	62.77
POS Percentage	11.12%

Gooseberry Hill	Area Hectares
Suburb Total Area	895
Total Calculated Area	379.94
Deductions	
Schools	7.83
Town Centres and Commercial	0.33
Drainage Reserves and Water Supply Purposes	0.50
Transmission Corridors	
Regional Open Space and Environment Protection Areas	11.24
Other Land Uses	10.76
Regional Roads	0
Total Deductions	-30.66
Gross Area	349.27
Total POS	8.36
POS Percentage	2.39%

High Wycombe	Area Hectares
Suburb Total Area	811
Total Calculated Area	592.75
Deductions	
Schools	10.62
Town Centres and Commercial	13.28
Drainage Reserves and Water Supply Purposes	5.43
Transmission Corridors	0
Regional Open Space and Environment Protection Areas	10.40
Other Land Uses	70.14
Regional Roads	5.65
Total Deductions	-115.53
Gross Area	477.22
Total POS	41.40
POS Percentage	8.68%

Kalamunda	Area Hectares
Suburb Total Area	1064
Total Calculated Area	747.54
Deductions	
Schools	14.29
Town Centres and Commercial	29.43
Drainage Reserves and Water Supply Purposes	0.58
Transmission Corridors	0
Regional Open Space and Environment Protection Areas	40.59
Other Land Uses	27.58
Regional Roads	13.56
Total Deductions	-126.02
Gross Area	621.52
Total POS	36.07
POS Percentage	5.80%

Lesmurdie	Area Hectares
Suburb Total Area	1365
Total Calculated Area	742.86
Deductions	
Schools	44.44
Town Centres and Commercial	3.17
Drainage Reserves and Water Supply Purposes	0.31
Transmission Corridors	
Regional Open Space and Environment Protection Areas	14.09
Other Land Uses	10.83
Regional Roads	0
Total Deductions	-72.85
Gross Area	670.01
Total POS	40.69
POS Percentage	6.07%

Maida Vale	Area Hectares
Suburb Total Area	841
Total Calculated Area	269.56
Deductions	
Schools	4.15
Town Centres and Commercial	1.90
Drainage Reserves and Water Supply Purposes	0.61
Transmission Corridors	5.62
Regional Open Space and Environment Protection Areas	36.94
Other Land Uses	1.78
Regional Roads	6.30
Total Deductions	-57.30
Gross Area	212.26
Total POS	19.27
POS Percentage	9.08%

Rural East-Walliston	Area Hectares
Total Area	24,626
Bickley	
Total Calculated Area	30.37
Total Deductions	-0.80
Gross Area	29.56
Total POS	1.87
POS Percentage	6.33%
Carmel	
Total Calculated Area	16.99
Total Deductions	-0.30
Gross Area	16.69
Total POS	0
POS Percentage	0.00%
Walliston	
Total Calculated Area	91.19
Total Deductions	-27.60
Gross Area	63.59
Total POS	2.74
POS Percentage	4.31%

Wattle Grove	Area Hectares
Suburb Total Area	867
Total Calculated Area	232.90
Deductions	
Schools	4.03
Town Centres and Commercial	15.86
Drainage Reserves and Water Supply Purposes	1.63
Transmission Corridors	0
Regional Open Space and Environment Protection Areas	30.70
Other Land Uses	11.30
Regional Roads	0.30
Total Deductions	-63.83
Gross Area	169.07
Total POS	29.48
POS Percentage	17.43%

City of Kalamunda		Area Hectares
Gross Area		3173.42
Total POS		242.65
POS Percentage		7.65%
Hills		
Gross Area		1750.64
Total POS		89.73
POS Percentage		5.13%
Foothills		
Gross Area		1422.78
Total POS		152.92
POS Percentage		10.75%

APPENDIX 5: SPORT SPACE REQUIREMENTS

*Calculations are approximate and to be used as a guide.

Sports Reserve Area = Playing Space + Buffer (Includes spectator space, club rooms, car parking and passive open space. Excludes conservation areas)

Suburb/Area	Reserve/s	Total Sports Reserve Area (Hectares)	Total Sports Reserve Area Required 2018 (Hectares)	Surplus + / Deficit - 2018	Total Sports Reserve Area Required 2036 (Hectares)	Surplus + / Deficit - 2036
Forrestfield	Hartfield Park	35	21.37	+ 13.63	26.81	+ 8.19
Forrestfield North	-		0.49	- 0.49	10.38	- 10.38
Gooseberry Hill	-		5.44	- 5.44	5.68	- 5.68
High Wycombe	Scott Reserve	7.12	19.72	- 12.6	21.88	- 14.76
Kalamunda	Kostera Oval	7.70	11.80	- 4.1	14.08	- 6.38
Lesmurdie	Ray Owen Reserve	10.07	13.51	- 3.44	13.65	- 3.58
Maida Vale	Maida Vale Recreation Reserve	14.37	7.31	+ 7.06	9.50	+ 4.87
Rural-East Walliston	George Spriggs Reserve	7.52	5.37	+ 2.15	6.27	+ 1.25
Wattle Grove	-		10.34	- 10.34	11.35	- 11.35
Hills		25.29	36.12	- 10.83	39.68	- 14.39
Foothills		64.16	59.24	+ 4.92	79.92	- 15.76
City of Kalamunda		89.45	95.36	- 5.91	119.6	- 30.15

APPENDIX 6: POS RATING – MAPPING

Forrestfield

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Reserve		
1	Akebia Way Reserve	R 34610
2	Almond Way POS	R 34237
3	Anderson Road Bushland	R 34600
4	Anderson Road Park	R 36350
5	Berberis Way Reserve	R 34858
6	Berkshire Road Reserve	R 47926
7	Blackbutt Way Reserve	R 35230
8	Boodjera Bend Reserve	R 51191
9	Cambridge Road Reserve	R 27559
10	Connaught Street Reserve	R 28447
11	Crumpet Creek Reserve 2	R 37650
12	Dawson Avenue Reserve	R 41189
13	Dawson Park	R 35618
14	Edinburgh Road Reserve	R 27566
15	Fagin Way Reserve	R 36344
16	Gala Way POS	R 48079
17	Garden Brook Estate	R 33912
18	Hale Road Easement	R 33000
19	Gotha Way POS	R 34857
20	Hartfield Park	R 17098
21	Juniper Way Reserve	R 34706
22	Lincoln Road Reserve	R 32494
23	Magnolia Way Reserve	R 34115
24	Orchard Park Estate 1	R 46496
25	Orchard Park Estate 2	R 47765
26	Orchard Park Estate 3	R 47680
27	Pioneer Park	R 41156
28	Preece Court Reserve	R 42353
29	Redgum Reserve	R 42573
30	Stringybark Drive Reserve	R 34363
31	Sultana Road East POS	R 48778
32	Sussex Road Reserve	R 31690
33	Tillia Court Reserve	R 42611
34	Tyler Mews Park	R 37650
35	Virgillia Way Reserve	R 33741
36	Woodlupine Brook (East)	R 34250
37	Woodlupine Brook Reserve	R 32912

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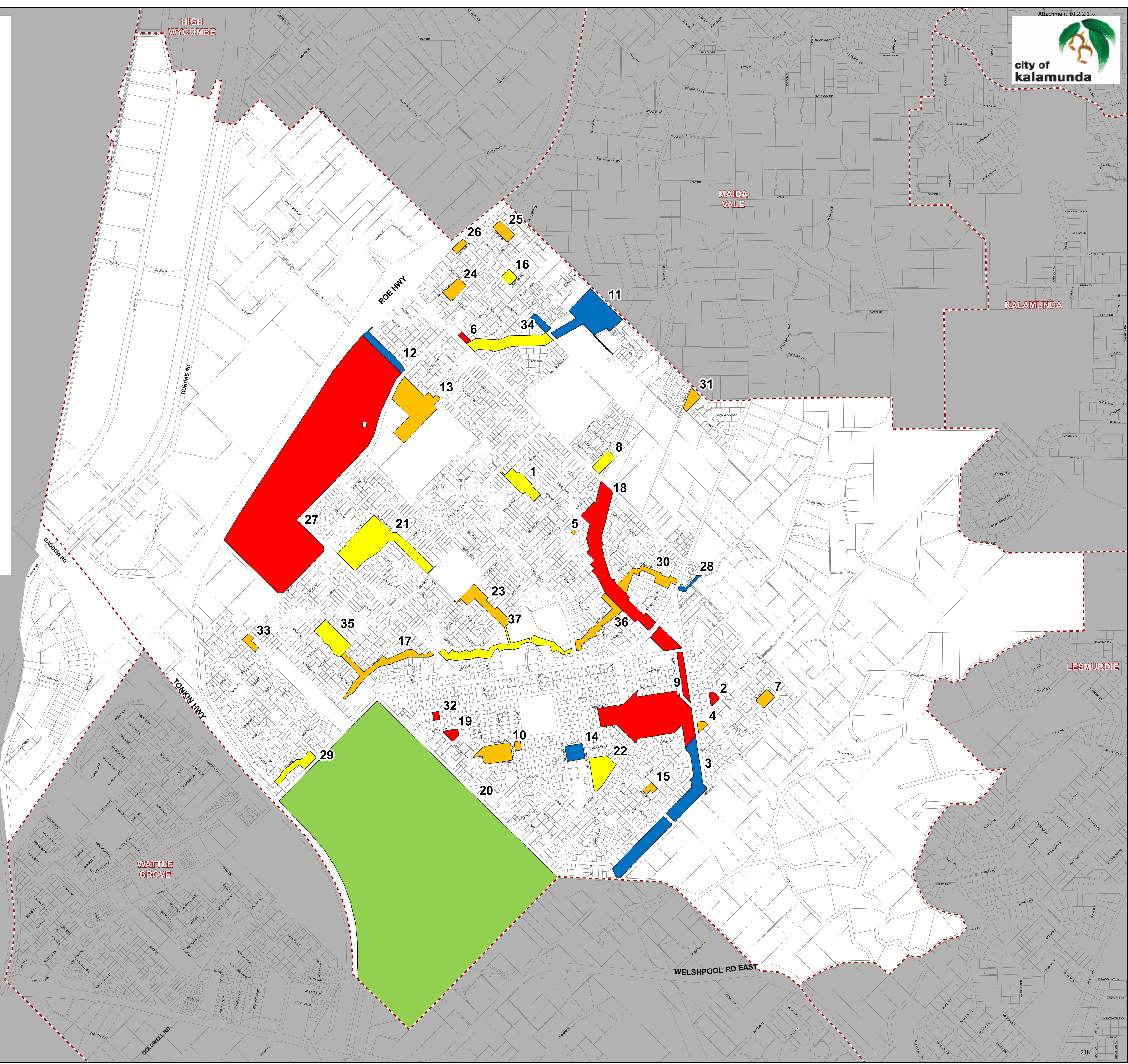
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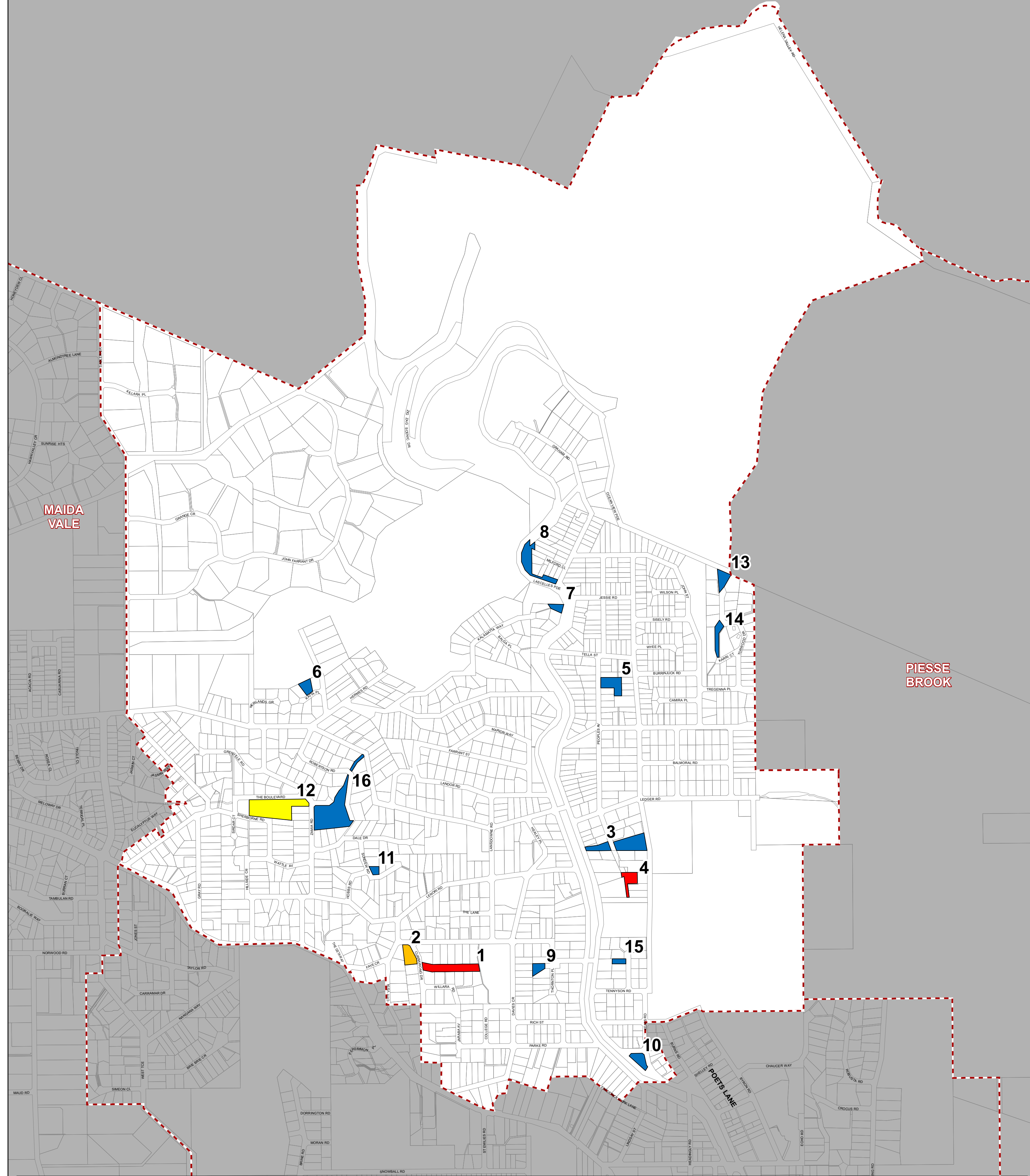
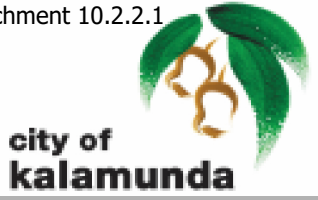
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Author: GIS Coordinator





Gooseberry Hill

Reserve							
1	Currawong Drive Reserve	R 33236		9	Noel Road Reserve	R 30970	
2	Currawong POS	R 33235		10	Old Railway Reserve	R 27799	
3	Huntley Street Reserve	R 27899		11	Sundew Road Reserve	R 28430	
4	Huntley Street Reserve South	R 29403		12	The Boulevard Reserve	R 27946	
5	Kardina Park	R 37452		13	Torwood Drive Reserve 1	R 39629	
6	Katta Place Reserve	R 38964		14	Torwood Drive Reserve 2	R 39629	
7	Lascelles Parade Reserve 1	R 31594		15	Wordsworth Reserve	R 27721	
8	Lascelles Parade Reserve 2	R 36372		16	Zamia Road Reserve	R 27589	

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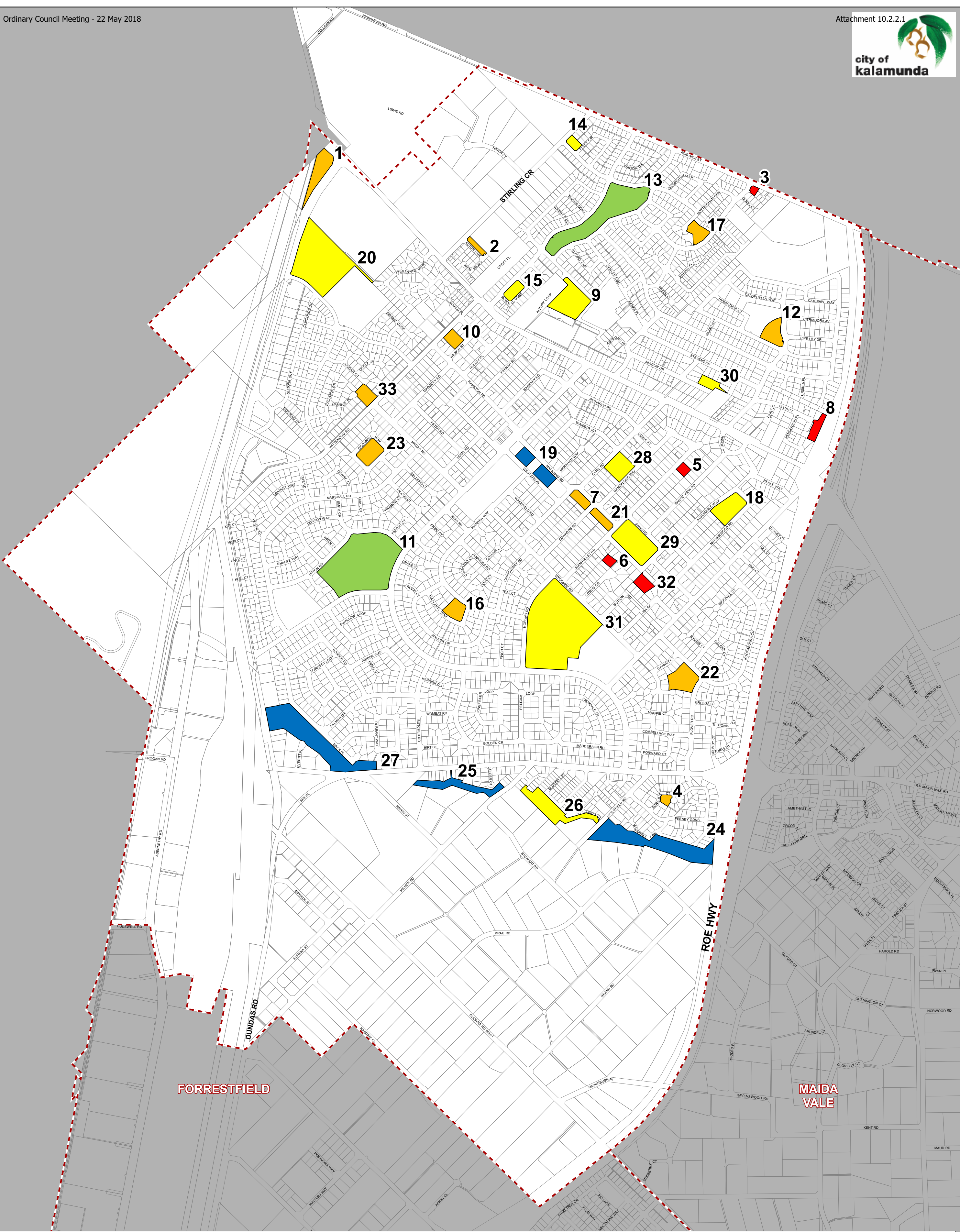
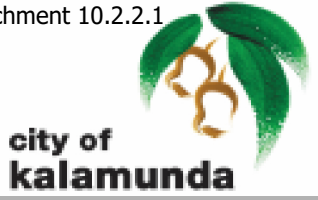
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Author: GIS Coordinator



High Wycombe

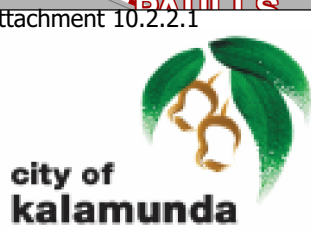
Reserve														
1	Abernethy Road Reserve		10	Emms Reserve	R 27815	18	Mackenzie Park	R 29104	26	Poison Gully Springvale / Bluebell Park	R 51230			
2	Acton Link Reserve	R 51238	11	Fleming Reserve	R 39218	19	Markham Road Reserve	R 26063	27	Poison Gully West	R 40228			
3	Adelaide Street Reserve		12	Gladys Newton Park	R 47320	20	Ollie Worrell Reserve	R 43068	28	Progress Park	R 31571			
4	Agraulia Court Park	R 50010	13	Jacaranda Springs Estate 1	R 47570	21	Peter Annus Park	R 36287	29	Rangeview Park	R 36297			
5	Bandalong Way Reserve	R 30540	14	Jacaranda Springs Estate 2	R 46991	22	Peter Hegney Park	R 40529	30	Robert Hewson Park	R 36478			
6	Citrus Grove Reserve	R 28491	15	Jacaranda Springs Estate 3	R 46997	23	Pine Tree Reserve	R 42607	31	Scott Reserve	R 34946			
7	Cyril Road Reserve	R 33977	16	John McLarty Park	R 41731	24	Poison Gully Littlefield	R 36492	32	Swan Road Reserve	R 33221			
8	Ellis Court POS	R 40352	17	Larwood Crescent POS	R 48863	25	Poison Gully Milner	R 36492	33	Viv Robinson Park	R 42697			
9	Elmore Way Park	R 47766												

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Kalamunda



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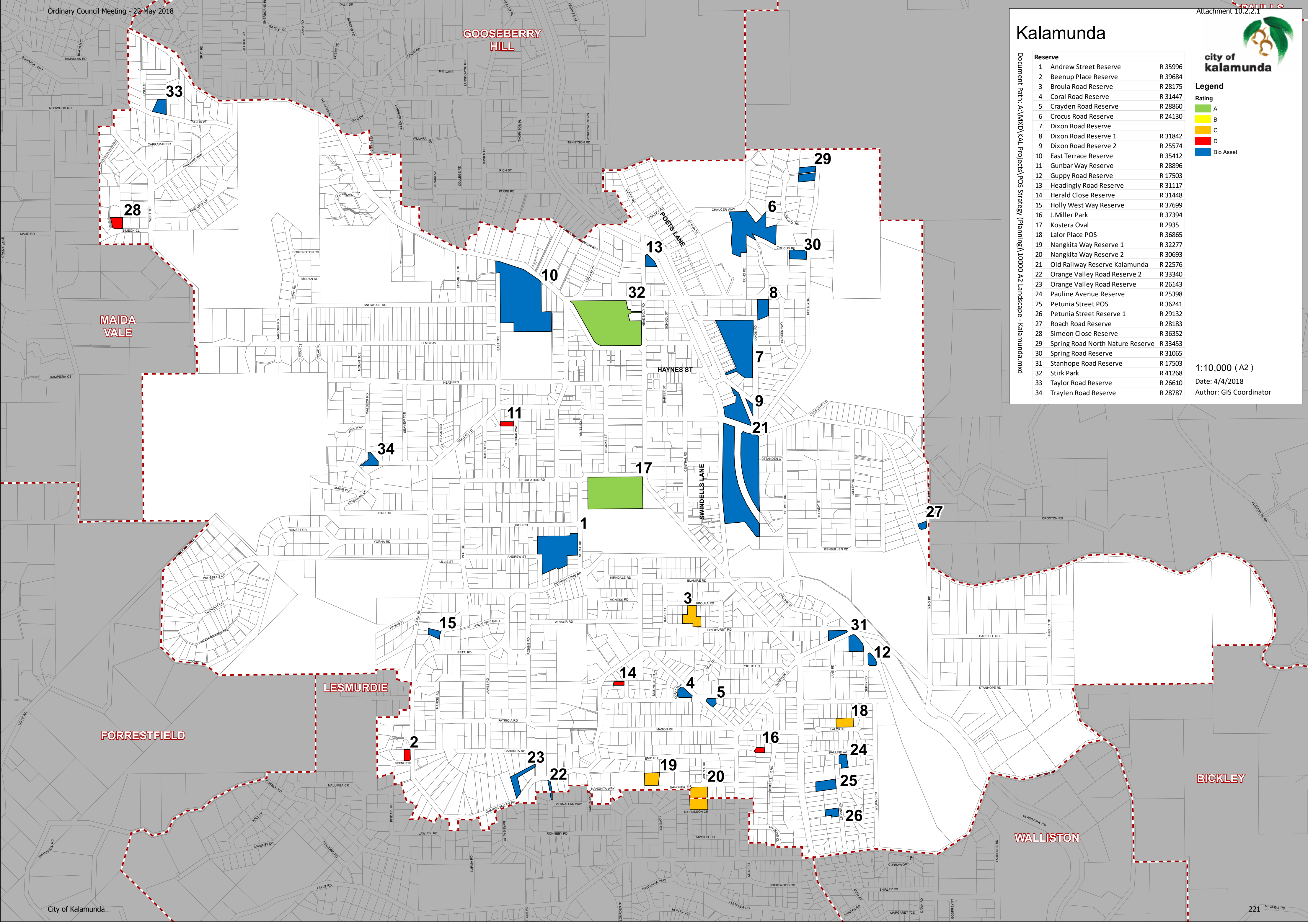
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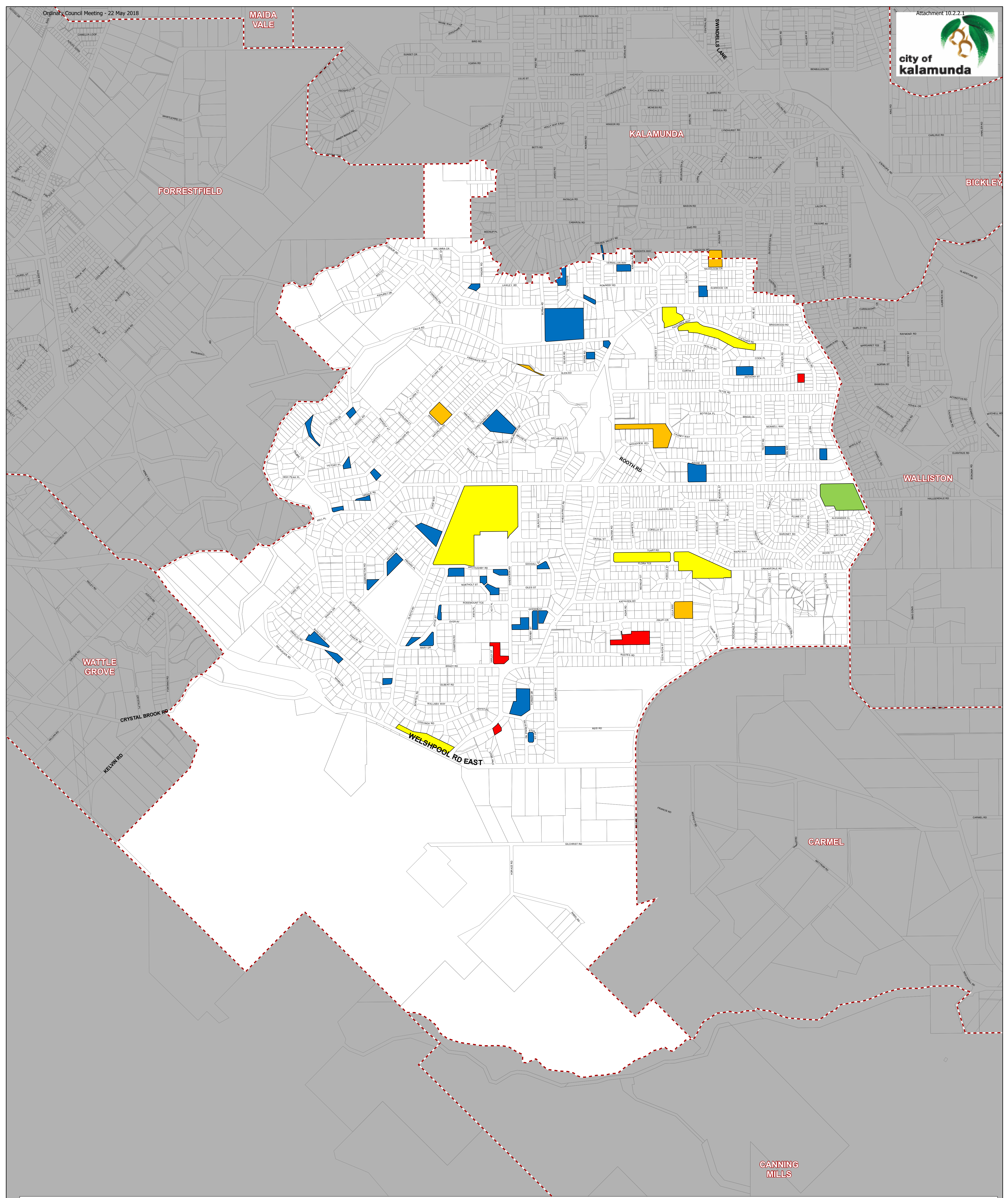
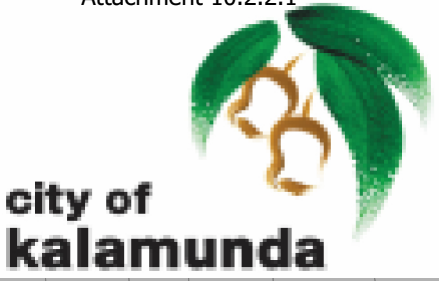
Reserve		
1	Andrew Street Reserve	R 35996
2	Beenup Place Reserve	R 39684
3	Broula Road Reserve	R 28175
4	Coral Road Reserve	R 31447
5	Crayden Road Reserve	R 28860
6	Crocus Road Reserve	R 24130
7	Dixon Road Reserve	
8	Dixon Road Reserve 1	R 31842
9	Dixon Road Reserve 2	R 25574
10	East Terrace Reserve	R 35412
11	Gunbar Way Reserve	R 28896
12	Guppy Road Reserve	R 17503
13	Headingly Road Reserve	R 31117
14	Herald Close Reserve	R 31448
15	Holly West Way Reserve	R 37699
16	J.Miller Park	R 37394
17	Kostera Oval	R 2935
18	Lalor Place POS	R 36865
19	Nangkita Way Reserve 1	R 32277
20	Nangkita Way Reserve 2	R 30693
21	Old Railway Reserve Kalamunda	R 22576
22	Orange Valley Road Reserve 2	R 33340
23	Orange Valley Road Reserve	R 26143
24	Pauline Avenue Reserve	R 25398
25	Petunia Street POS	R 36241
26	Petunia Street Reserve 1	R 29132
27	Roach Road Reserve	R 28183
28	Simeon Close Reserve	R 36352
29	Spring Road North Nature Reserve	R 33453
30	Spring Road Reserve	R 31065
31	Stanhope Road Reserve	R 17503
32	Stirk Park	R 41268
33	Taylor Road Reserve	R 26610
34	Traylen Road Reserve	R 28787

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Date: 4/4/2018

Author: GIS Coordinator





Lesmurdie

Reserve											
1	Anthony Heslop Reserve	R 27730	13	Gladys Road Reserve	R 27817	25	Mick Conti Park	R 35468	37	Seaton Park	R 33760
2	Anthony Street Reserve	R 31692	14	Glen Road POS	R 29384	26	Nangkita Way Reserve 2	R 30693	38	Silverdale Road Reserve	R 25189
3	Barbigal Place Reserve 1	R 34791	15	Godwin Street Reserve	R 28212	27	Neil Tonkin Park / Falls Farm Reserve	R 38569	39	Stirkwood Estate Reserve	R 50011
4	Barbigal Place Reserve 2	R 33754	16	Goodall Street Reserve	R 33646	28	Nelson Crescent Reserve 2	R 28305	40	Stone Road Reserve	R 37395
5	Basildon Reserve	R 24948	17	Hugh Sanderson Reserve	R 34183	29	Nelson Crescent Reserve	R 32713	41	Tindale Road Reserve	R 33757
6	Bill Shaw Reserve	R 32507	18	Joyce Street Reserve 1	R 27465	30	Northolt Street Reserve	R 29873	42	Trafalgar Road Reserve	R 27570
7	Elmwood Crescent Reserve	R 30693	19	Joyce Street Reserve 2	R 34809	31	Orange Valley Road Reserve 2	R 26143	43	Trott Road Reserve	R 34076
8	Falls Road Reserve	R 29998	20	Kershaw Avenue Reserve	R 26754	32	Pagotto Park	R 26531	44	Turner Park	R 28624
9	Flora Terrace Reserve	R 29757	21	Lawley Road Reserve	R 31581	33	Peter Thiel Reserve	R 34666	45	Vernallan Way Reserve	R 29107
10	Ford Road Reserve	R 32119	22	Lesmurdie Road Reserve	R 32300	34	Ray Owen Reserve	R 26127	46	Victory Place Reserve	R 30186
11	Fred Eversden Reserve	R 23383	23	Mario Court POS	R 41036	35	Ryan Way Reserve	R 29947	47	Willoughby Reserve	R 29873
12	Gladys Road Reserve 2	R 34454	24	Mary Drive Reserve	R 26557	36	Sanderson Road Reserve / Pax Hill	R 29190			

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Maida Vale

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Reserve		
1	Berry Drive Reserve	R 32230
2	Booralie Way Reserve	R 32613
3	Bugendore Street Reserve	R 38541
4	Casuarina Road Reserve	R 38489
5	Crumpet Creek Reserve 2	R 37650
6	Davies Park	R 28852
7	Hawtin Road Reserve 1	R 27792
8	Kalamunda Road Reserve	R 41480
9	Maida Vale Recreation Reserve	R 14088
10	Meloway Drive Reserve	R 32108
11	Millson Reserve	R 31954
12	Nestle Brae Creek Reserve	R 35209
13	Norwood Reserve	R 22502
14	Poison Gully Creek Reserve	R 45989
15	Poison Gully Pinker Crescent	R 48084
16	Saddleback Circle Reserve	R 38271
17	Scenic Drive Reserve	R 33433

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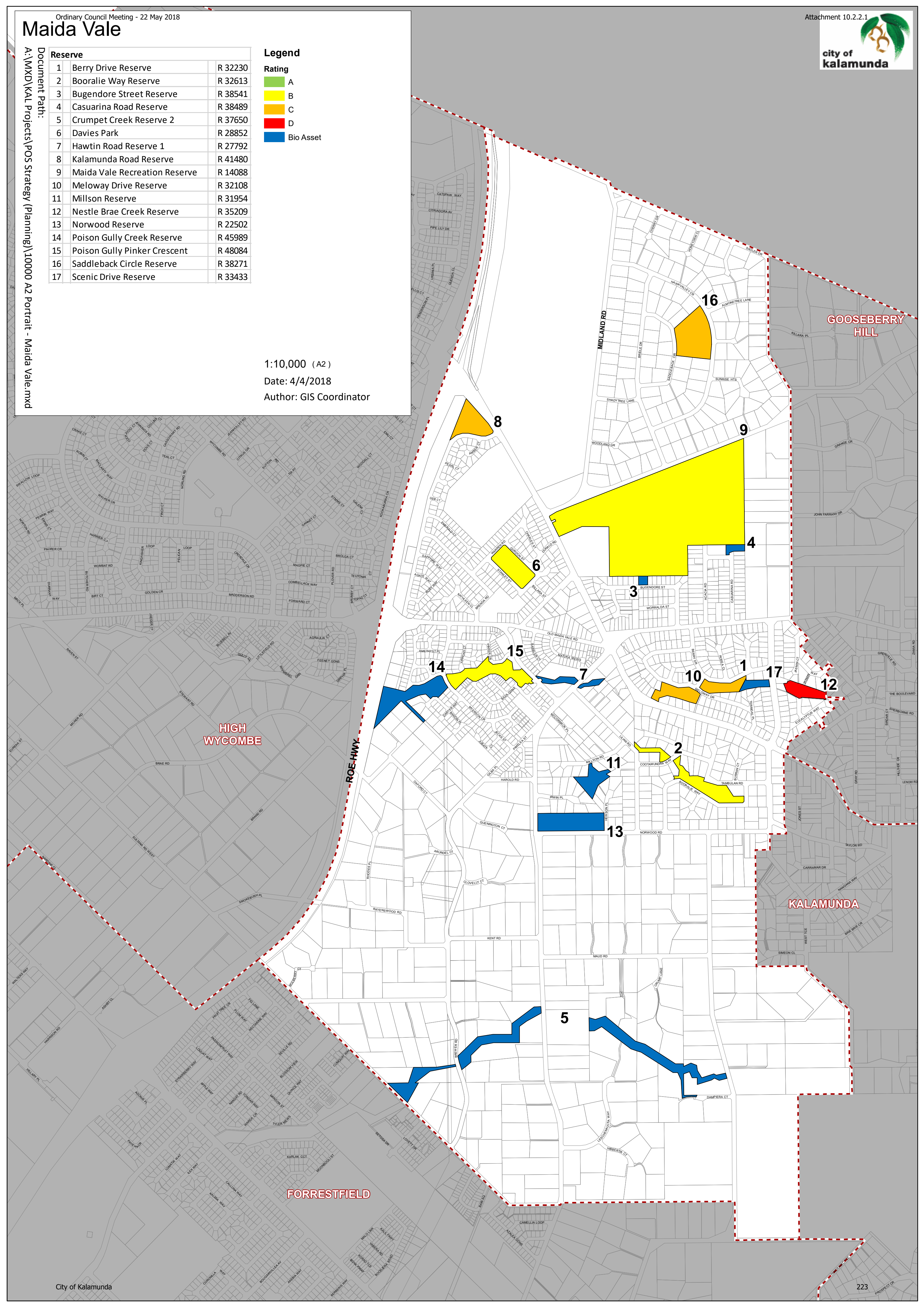
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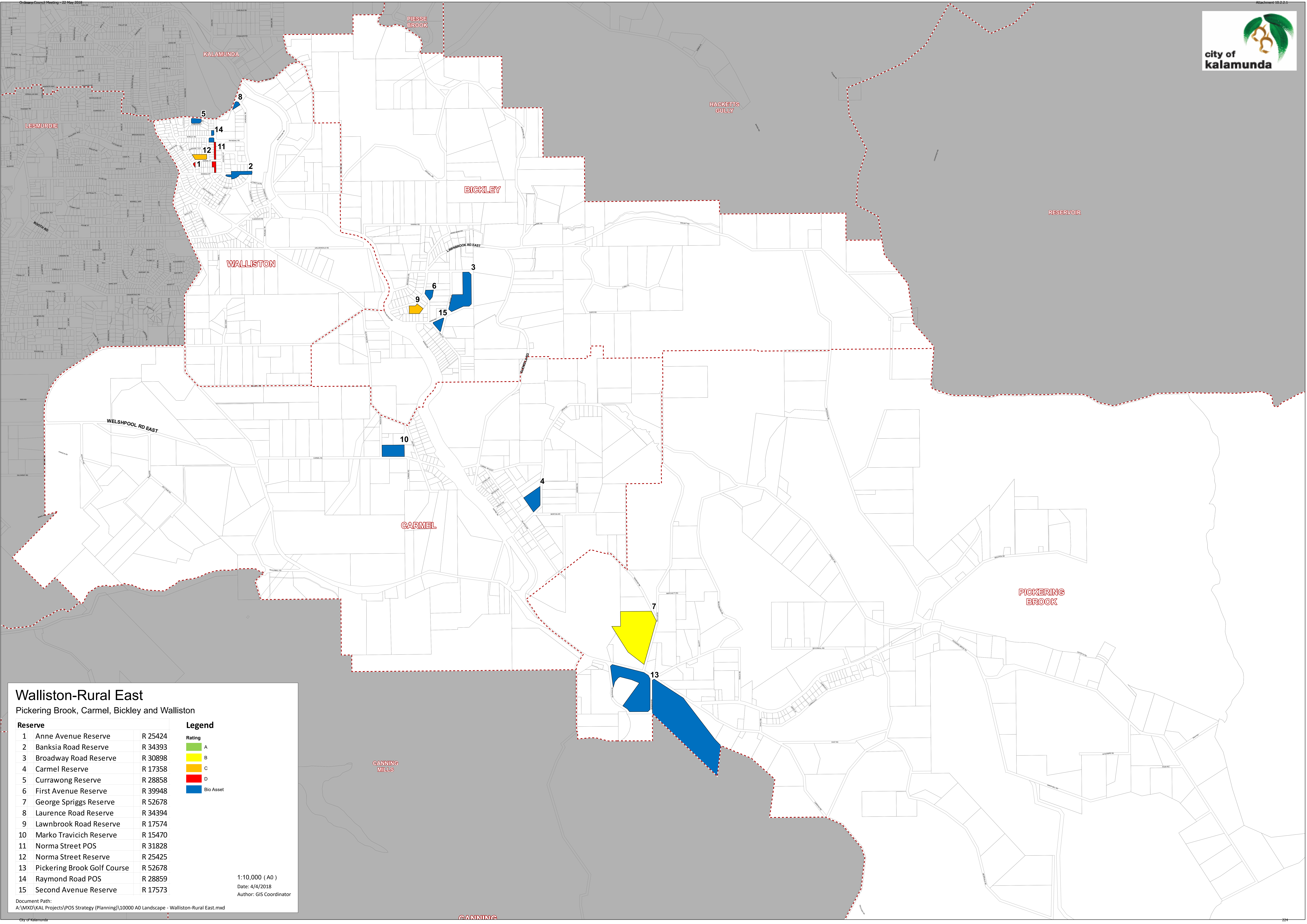
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Author: GIS Coordinator





Wattle Grove

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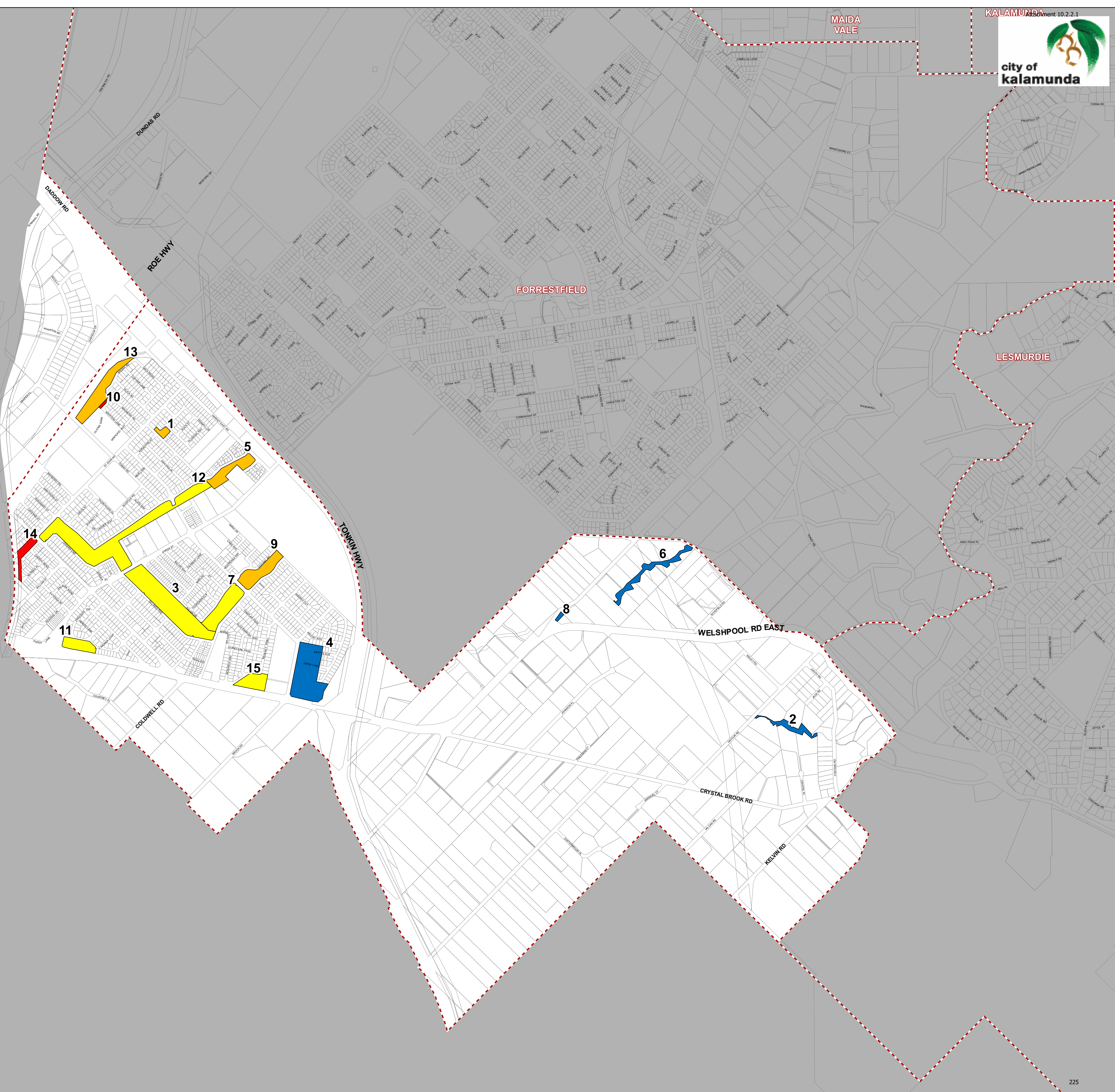
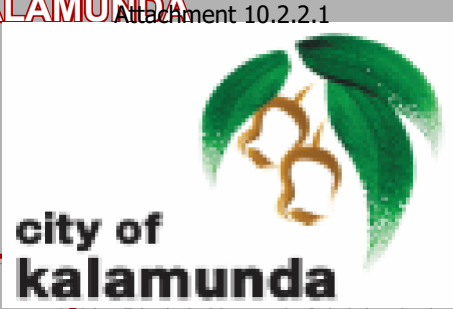
Reserve		
1	Fennell Crescent POS	R 46170
2	Gavour Road Reserve	R 40273
3	Gillings Parade POS	R 47767
4	Grass Tree Reserve	R 50985
5	Hardey East Road Reserve	R 49263
6	Hartfield Road Creekline Reserve	R 35017
7	Kalari Drive POS	R 48696
8	Lewis Road Reserve	R 28344
9	Maamba Road POS	R 52403
10	Olivine Gardens Reserve	R 50721
11	Sheffield Estate	R 47723
12	The Promenade POS	R 48404
13	Willow Lake Estate	R 47590
14	Woodlupine Creek Undeveloped Reserve	R 49965
15	Yule Brook Estate	R 47406

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D	
Bio Asset	

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Date: 4/4/2018

Author: GIS Coordinator



APPENDIX 7: POS CLASSIFICATION – MAPPING

Forrestfield

Document Path: A:\MXD\KAL Projects\POS Strategy (Planning)\10000 A1 Landscape - Forrestfield.mxd

Reserve		
1	Akebia Way Reserve	R 34610
2	Almond Way POS	R 34237
3	Anderson Road Bushland	R 34600
4	Anderson Road Park	R 36350
5	Berberis Way Reserve	R 34858
6	Berkshire Road Reserve	R 47926
7	Blackbutt Way Reserve	R 35230
8	Boodjera Bend Reserve	R 51191
9	Cambridge Road Reserve	R 27559
10	Connaught Street Reserve	R 28447
11	Crumpet Creek Reserve 2	R 37650
12	Dawson Avenue Reserve	R 41189
13	Dawson Park	R 35618
14	Edinburgh Road Reserve	R 27566
15	Fagin Way Reserve	R 36344
16	Gala Way POS	R 48079
17	Garden Brook Estate	R 33912
18	Hale Road Easement	R 33000
19	Gotha Way POS	R 34857
20	Hartfield Park	R 17098
21	Juniper Way Reserve	R 34706
22	Lincoln Road Reserve	R 32494
23	Magnolia Way Reserve	R 34115
24	Orchard Park Estate 1	R 46496
25	Orchard Park Estate 2	R 47765
26	Orchard Park Estate 3	R 47680
27	Pioneer Park	R 41156
28	Preece Court Reserve	R 42353
29	Redgum Reserve	R 42573
30	Stringybark Drive Reserve	R 34363
31	Sultana Road East POS	R 48778
32	Sussex Road Reserve	R 31690
33	Tillia Court Reserve	R 42611
34	Tyler Mews Park	R 37650
35	Virgillia Way Reserve	R 33741
36	Woodlupine Brook (East)	R 34250
37	Woodlupine Brook Reserve	R 32912

Legend

Classification

REGIONAL PARK

DISTRICT PARK

NEIGHBOURHOOD PARK

LOCAL PARK

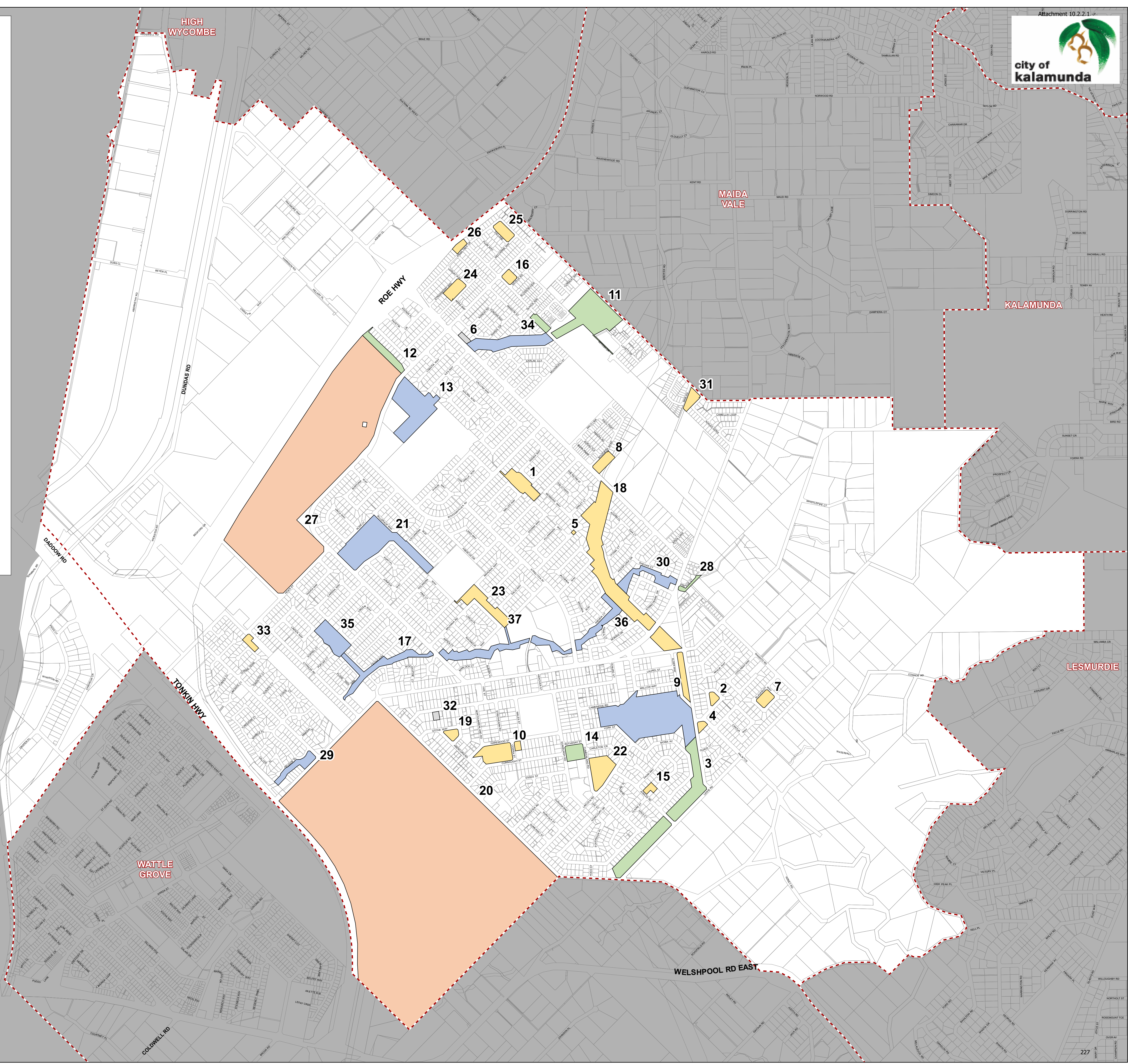
BIODIVERSITY ASSET

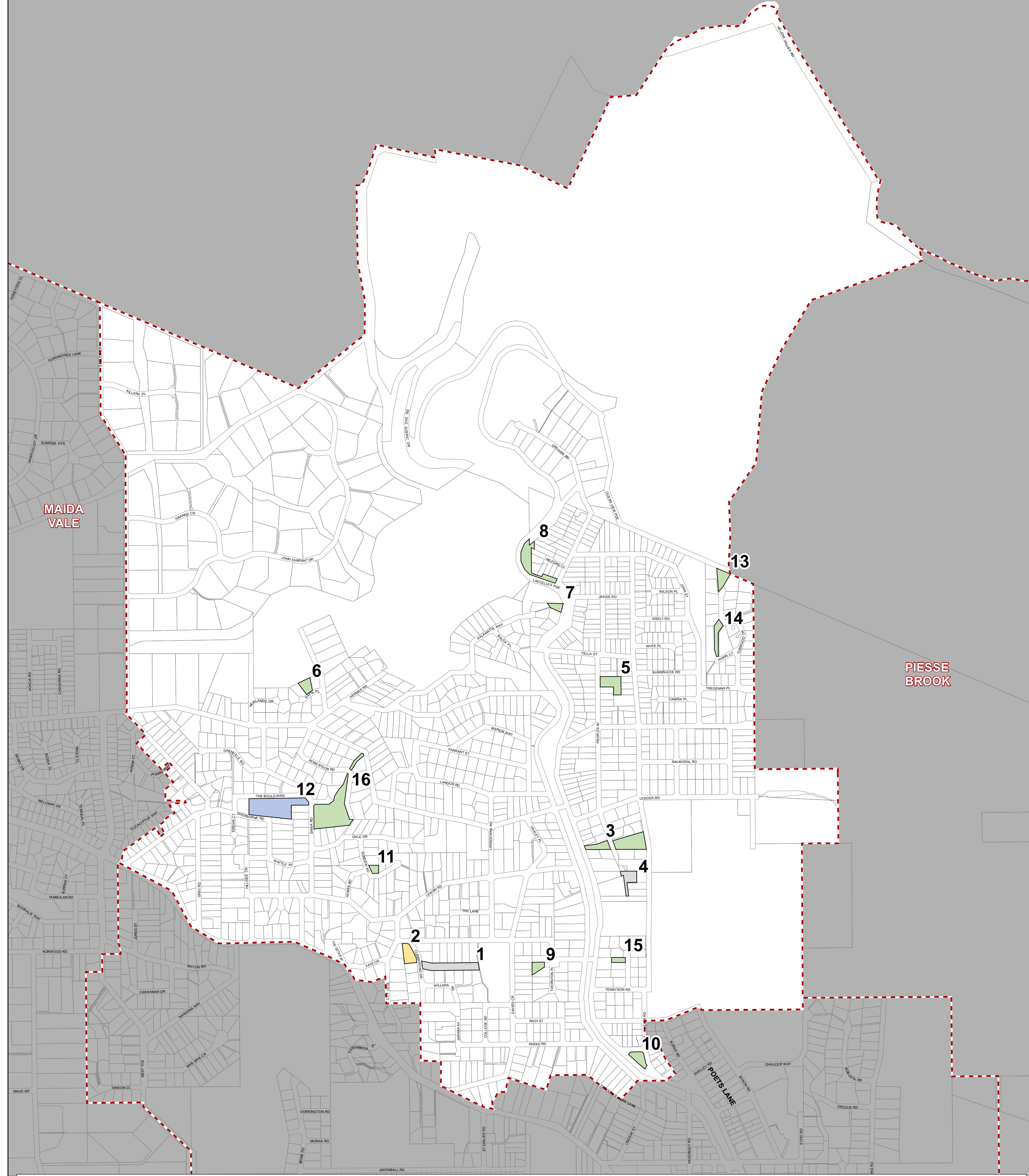
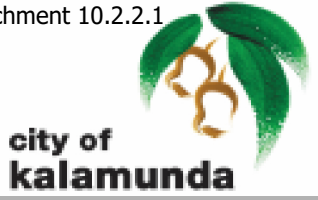
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1:10,000 (A1)

Date: 4/6/2018

Author: GIS Coordinator





Gooseberry Hill

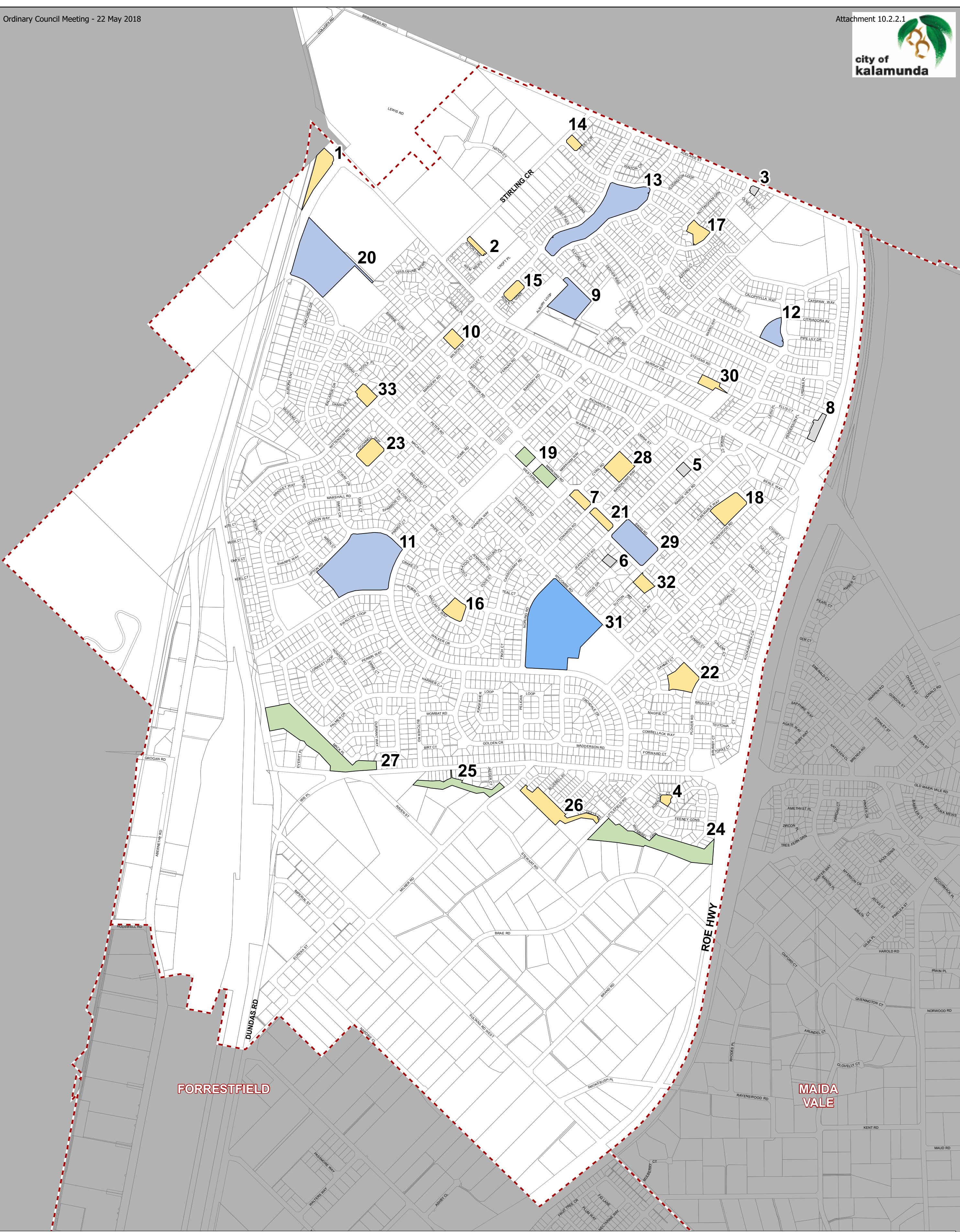
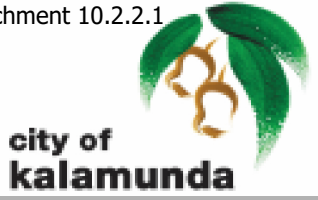
Reserve					
1	Currawong Drive Reserve	R 33236	9	Noel Road Reserve	R 30970
2	Currawong POS	R 33235	10	Old Railway Reserve	R 27799
3	Huntley Street Reserve	R 27899	11	Sundew Road Reserve	R 28430
4	Huntley Street Reserve South	R 29403	12	The Boulevard Reserve	R 27946
5	Kardina Park	R 37452	13	Torwood Drive Reserve 1	R 39629
6	Katta Place Reserve	R 38964	14	Torwood Drive Reserve 2	R 39629
7	Lascelles Parade Reserve 1	R 31594	15	Wordsworth Reserve	R 27721
8	Lascelles Parade Reserve 2	R 36372	16	Zamia Road Reserve	R 27589

Legend

Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

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Date: 4/4/2018
Author: GIS Coordinator



High Wycombe

Reserve												
1	Abernethy Road Reserve		10	Emms Reserve	R 27815	18	Mackenzie Park	R 29104	26	Poison Gully Springvale / Bluebell Park	R 51230	
2	Acton Link Reserve	R 51238	11	Fleming Reserve	R 39218	19	Markham Road Reserve	R 26063	27	Poison Gully West	R 40228	
3	Adelaide Street Reserve		12	Gladys Newton Park	R 47320	20	Ollie Worrell Reserve	R 43068	28	Progress Park	R 31571	
4	Agraulia Court Park	R 50010	13	Jacaranda Springs Estate 1	R 47570	21	Peter Annus Park	R 36287	29	Rangeview Park	R 36297	
5	Bandalong Way Reserve	R 30540	14	Jacaranda Springs Estate 2	R 46991	22	Peter Hegney Park	R 40529	30	Robert Hewson Park	R 36478	
6	Citrus Grove Reserve	R 28491	15	Jacaranda Springs Estate 3	R 46997	23	Pine Tree Reserve	R 42607	31	Scott Reserve	R 34946	
7	Cyril Road Reserve	R 33977	16	John McLarty Park	R 41731	24	Poison Gully Littlefield	R 36492	32	Swan Road Reserve	R 33221	
8	Ellis Court POS	R 40352	17	Larwood Crescent POS	R 48863	25	Poison Gully Milner	R 36492	33	Viv Robinson Park	R 42697	
9	Elmore Way Park	R 47766										

Legend

Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

1:10,000 (A2)
Date: 4/4/2018
Author: GIS Coordinator



city of
kalamunda

Legend

Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

Kalamunda

Reserve		
1	Andrew Street Reserve	R 35996
2	Beenup Place Reserve	R 39684
3	Broula Road Reserve	R 28175
4	Coral Road Reserve	R 31447
5	Crayden Road Reserve	R 28860
6	Crocus Road Reserve	R 24130
7	Dixon Road Reserve	
8	Dixon Road Reserve 1	R 31842
9	Dixon Road Reserve 2	R 25574
10	East Terrace Reserve	R 35412
11	Gunbar Way Reserve	R 28896
12	Guppy Road Reserve	R 17503
13	Headingly Road Reserve	R 31117
14	Herald Close Reserve	R 31448
15	Holly West Way Reserve	R 37699
16	J.Miller Park	R 37394
17	Kostera Oval	R 2935
18	Lalor Place POS	R 36865
19	Nangkita Way Reserve 1	R 32277
20	Nangkita Way Reserve 2	R 30693
21	Old Railway Reserve Kalamunda	R 22576
22	Orange Valley Road Reserve 2	R 33340
23	Orange Valley Road Reserve	R 26143
24	Pauline Avenue Reserve	R 25398
25	Petunia Street POS	R 36241
26	Petunia Street Reserve 1	R 29132
27	Roach Road Reserve	R 28183
28	Simeon Close Reserve	R 36352
29	Spring Road North Nature Reserve	R 33453
30	Spring Road Reserve	R 31065
31	Stanhope Road Reserve	R 17503
32	Stirk Park	R 41268
33	Taylor Road Reserve	R 26610
34	Traylen Road Reserve	R 28787

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Date: 4/4/2018

Author: GIS Coordinator

WALLISTON

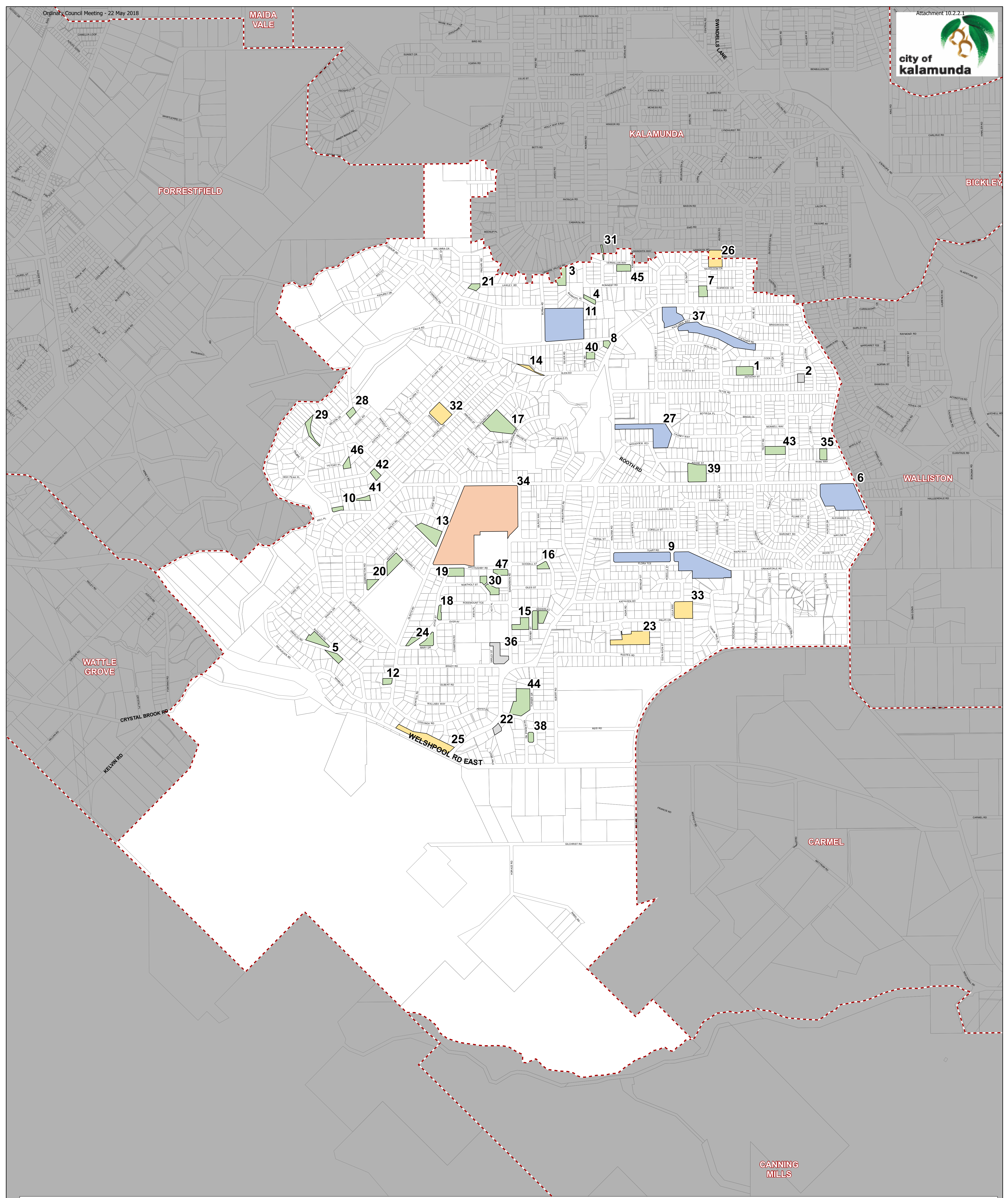
BICKLEY

LESMURDIE

FORRESTFIELD

GOOSEBERRY
HILL

MAIDA
VALE



Lesmurdie

Reserve															
1	Anthony Heslop Reserve	R 27730	13	Gladys Road Reserve	R 27817	25	Mick Conti Park	R 35468	37	Seaton Park	R 33760				
2	Anthony Street Reserve	R 31692	14	Glen Road POS	R 29384	26	Nangkita Way Reserve 2	R 30693	38	Silverdale Road Reserve	R 25189				
3	Barbigal Place Reserve 1	R 34791	15	Godwin Street Reserve	R 28212	27	Neil Tonkin Park / Falls Farm Reserve	R 38569	39	Stirkwood Estate Reserve	R 50011				
4	Barbigal Place Reserve 2	R 33754	16	Goodall Street Reserve	R 33646	28	Nelson Crescent Reserve 2	R 28305	40	Stone Road Reserve	R 37395				
5	Basildon Reserve	R 24948	17	Hugh Sanderson Reserve	R 34183	29	Nelson Crescent Reserve	R 32713	41	Tindale Road Reserve	R 33757				
6	Bill Shaw Reserve	R 32507	18	Joyce Street Reserve 1	R 27465	30	Northolt Street Reserve	R 29873	42	Trafalgar Road Reserve	R 27570				
7	Elmwood Crescent Reserve	R 30693	19	Joyce Street Reserve 2	R 34809	31	Orange Valley Road Reserve 2	R 26143	43	Trott Road Reserve	R 34076				
8	Falls Road Reserve	R 29998	20	Kershaw Avenue Reserve	R 26754	32	Pagotto Park	R 26531	44	Turner Park	R 28624				
9	Flora Terrace Reserve	R 29757	21	Lawley Road Reserve	R 31581	33	Peter Thiel Reserve	R 34666	45	Vernallan Way Reserve	R 29107				
10	Ford Road Reserve	R 32119	22	Lesmurdie Road Reserve	R 32300	34	Ray Owen Reserve	R 26127	46	Victory Place Reserve	R 30186				
11	Fred Eversden Reserve	R 23383	23	Mario Court POS	R 41036	35	Ryan Way Reserve	R 29947	47	Willoughby Reserve	R 29873				
12	Gladys Road Reserve 2	R 34454	24	Mary Drive Reserve	R 26557	36	Sanderson Road Reserve / Pax Hill	R 29190							

Legend

Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION



Maida Vale

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Reserve

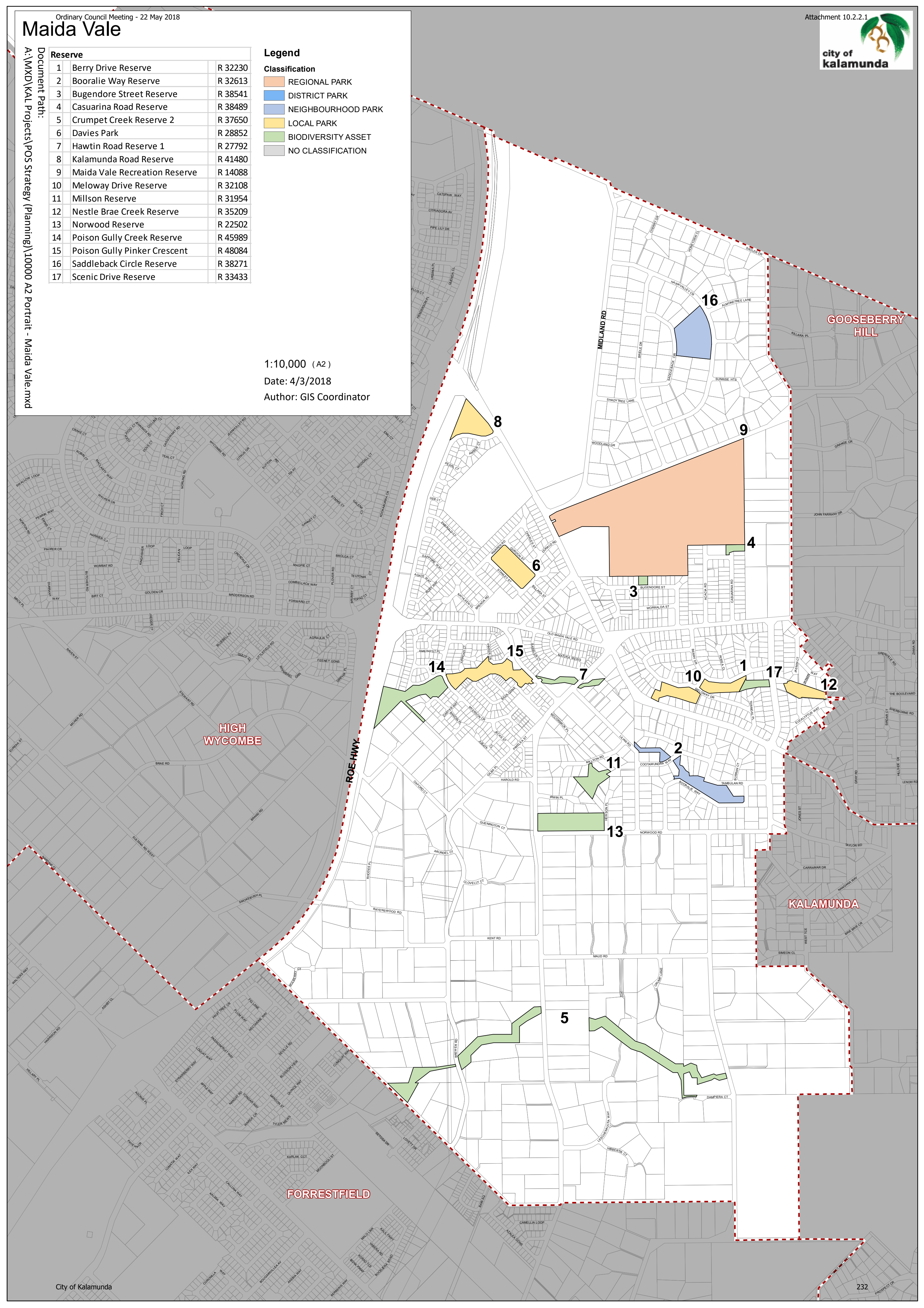
1	Berry Drive Reserve	R 32230
2	Booralie Way Reserve	R 32613
3	Bugendore Street Reserve	R 38541
4	Casuarina Road Reserve	R 38489
5	Crumpet Creek Reserve 2	R 37650
6	Davies Park	R 28852
7	Hawtin Road Reserve 1	R 27792
8	Kalamunda Road Reserve	R 41480
9	Maida Vale Recreation Reserve	R 14088
10	Meloway Drive Reserve	R 32108
11	Millson Reserve	R 31954
12	Nestle Brae Creek Reserve	R 35209
13	Norwood Reserve	R 22502
14	Poison Gully Creek Reserve	R 45989
15	Poison Gully Pinker Crescent	R 48084
16	Saddleback Circle Reserve	R 38271
17	Scenic Drive Reserve	R 33433

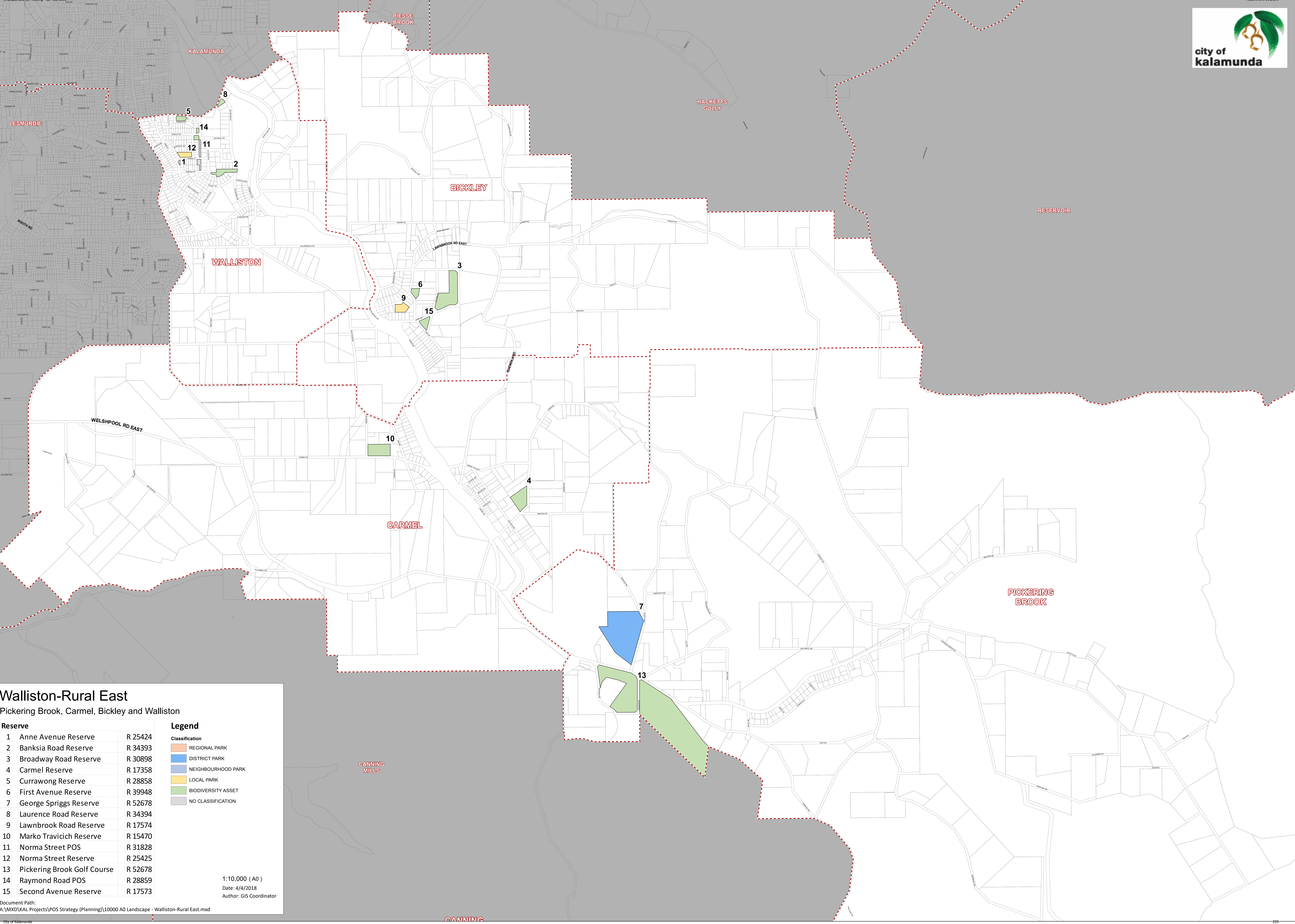
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Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

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Date: 4/3/2018
Author: GIS Coordinator





Walliston-Rural East

Pickering Brook, Carmel, Bickley and Walliston

Reserve		
1	Anne Avenue Reserve	R 25424
2	Banksia Road Reserve	R 34393
3	Broadway Road Reserve	R 30898
4	Carmel Reserve	R 17358
5	Currawong Reserve	R 28858
6	First Avenue Reserve	R 39948
7	George Spriggs Reserve	R 52678
8	Laurence Road Reserve	R 34394
9	Lawnbrook Road Reserve	R 17574
10	Marko Travicich Reserve	R 15470
11	Norma Street POS	R 31828
12	Norma Street Reserve	R 25425
13	Pickering Brook Golf Course	R 52678
14	Raymond Road POS	R 28859
15	Second Avenue Reserve	R 17573

Legend

Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

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Date: 4/4/2018







Author: GIS Coordinator

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Wattle Grove

Document Path:
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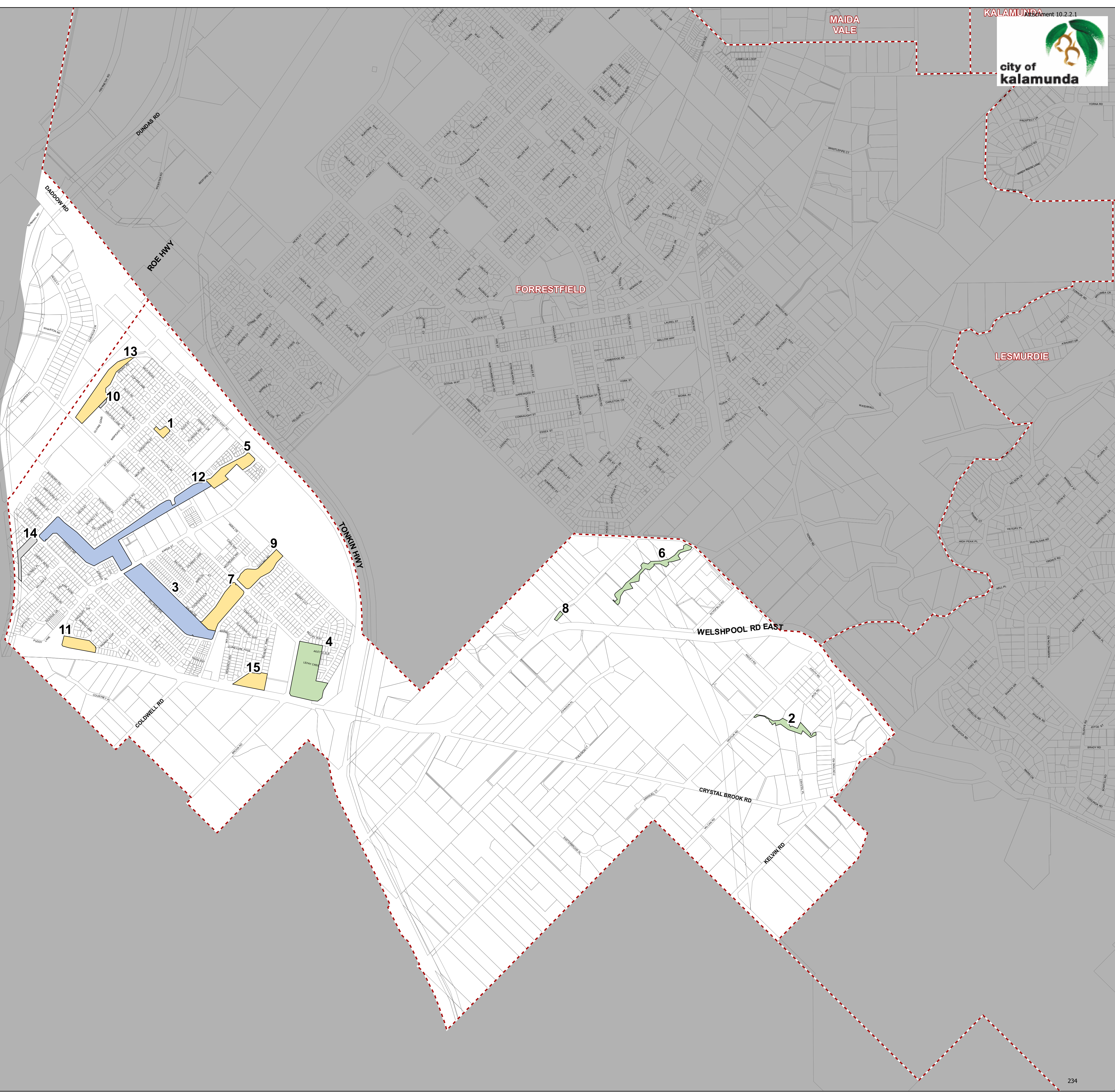
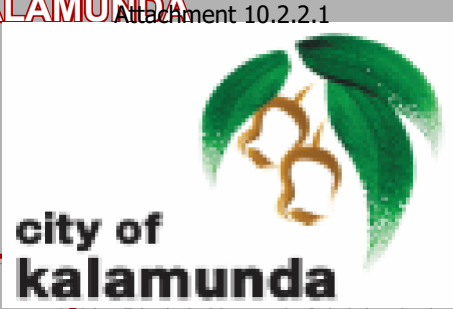
Reserve		
1	Fennell Crescent POS	R 46170
2	Gavour Road Reserve	R 40273
3	Gillings Parade POS	R 47767
4	Grass Tree Reserve	R 50985
5	Hardey East Road Reserve	R 49263
6	Hartfield Road Creekline Reserve	R 35017
7	Kalari Drive POS	R 48696
8	Lewis Road Reserve	R 28344
9	Maamba Road POS	R 52403
10	Olivine Gardens Reserve	R 50721
11	Sheffield Estate	R 47723
12	The Promenade POS	R 48404
13	Willow Lake Estate	R 47590
14	Woodlupine Creek Undeveloped Reserve	R 49965
15	Yule Brook Estate	R 47406

Legend	
Classification	
	REGIONAL PARK
	DISTRICT PARK
	NEIGHBOURHOOD PARK
	LOCAL PARK
	BIODIVERSITY ASSET
	NO CLASSIFICATION

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Date: 4/4/2018

Author: GIS Coordinator



APPENDIX 8: POS FUNCTION – MAPPING

Forrestfield

Document Path: A:\MXD\KAL Projects\POS Strategy (Planning)\10000 A1 Landscape - Forrestfield.mxd

Reserve		
1	Akebia Way Reserve	R 34610
2	Almond Way POS	R 34237
3	Anderson Road Bushland	R 34600
4	Anderson Road Park	R 36350
5	Berberis Way Reserve	R 34858
6	Berkshire Road Reserve	R 47926
7	Blackbutt Way Reserve	R 35230
8	Boodjera Bend Reserve	R 51191
9	Cambridge Road Reserve	R 27559
10	Connaught Street Reserve	R 28447
11	Crumpet Creek Reserve 2	R 37650
12	Dawson Avenue Reserve	R 41189
13	Dawson Park	R 35618
14	Edinburgh Road Reserve	R 27566
15	Fagin Way Reserve	R 36344
16	Gala Way POS	R 48079
17	Garden Brook Estate	R 33912
18	Hale Road Easement	R 33000
19	Gotha Way POS	R 34857
20	Hartfield Park	R 17098
21	Juniper Way Reserve	R 34706
22	Lincoln Road Reserve	R 32494
23	Magnolia Way Reserve	R 34115
24	Orchard Park Estate 1	R 46496
25	Orchard Park Estate 2	R 47765
26	Orchard Park Estate 3	R 47680
27	Pioneer Park	R 41156
28	Preece Court Reserve	R 42353
29	Redgum Reserve	R 42573
30	Stringybark Drive Reserve	R 34363
31	Sultana Road East POS	R 48778
32	Sussex Road Reserve	R 31690
33	Tillia Court Reserve	R 42611
34	Tyler Mews Park	R 37650
35	Virgillia Way Reserve	R 33741
36	Woodlupine Brook (East)	R 34250
37	Woodlupine Brook Reserve	R 32912

Legend

Function 3

Sport

Recreation

Nature

Function 2

Sport

Recreation

Nature

Function 1

Sport

Recreation

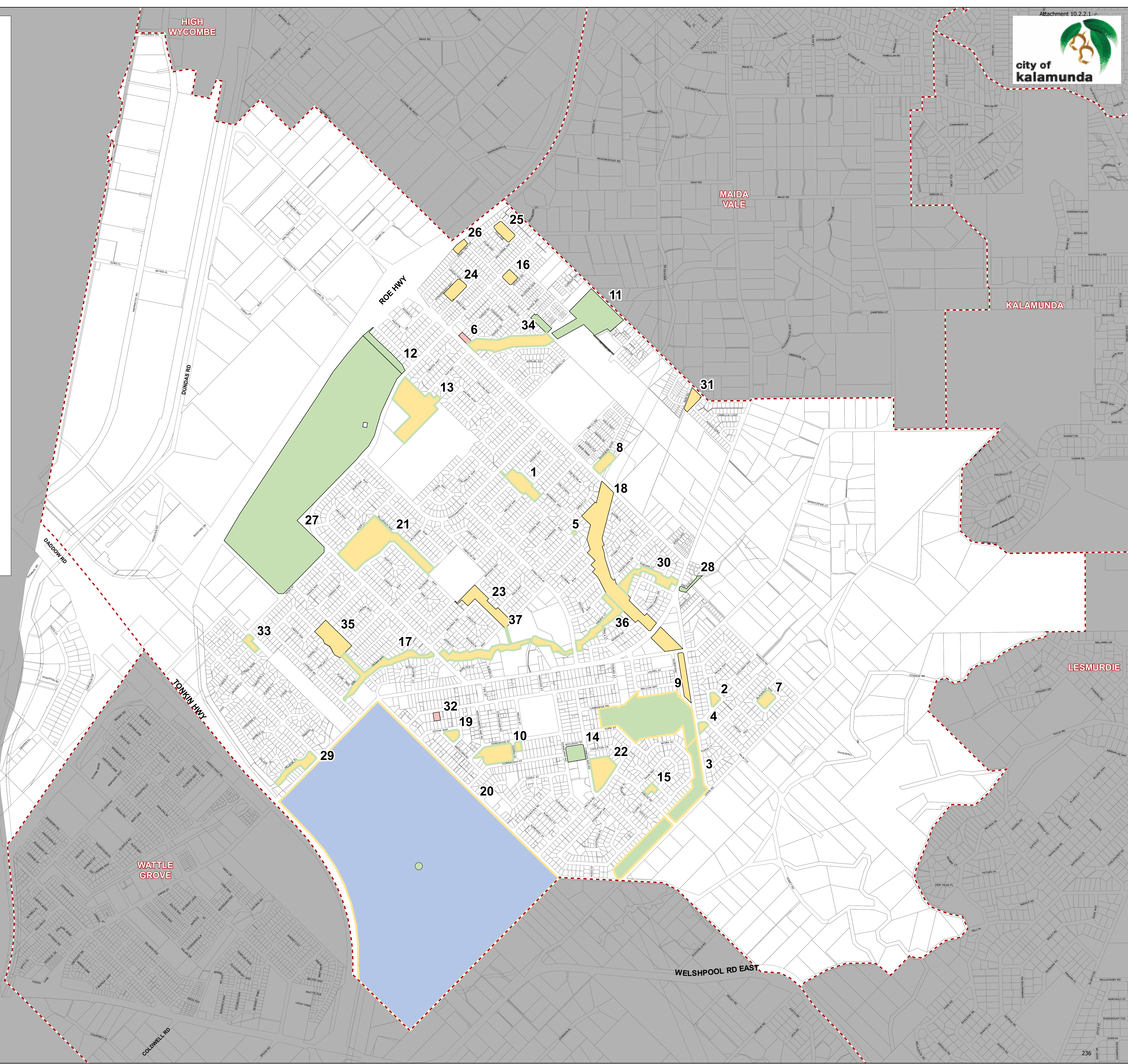
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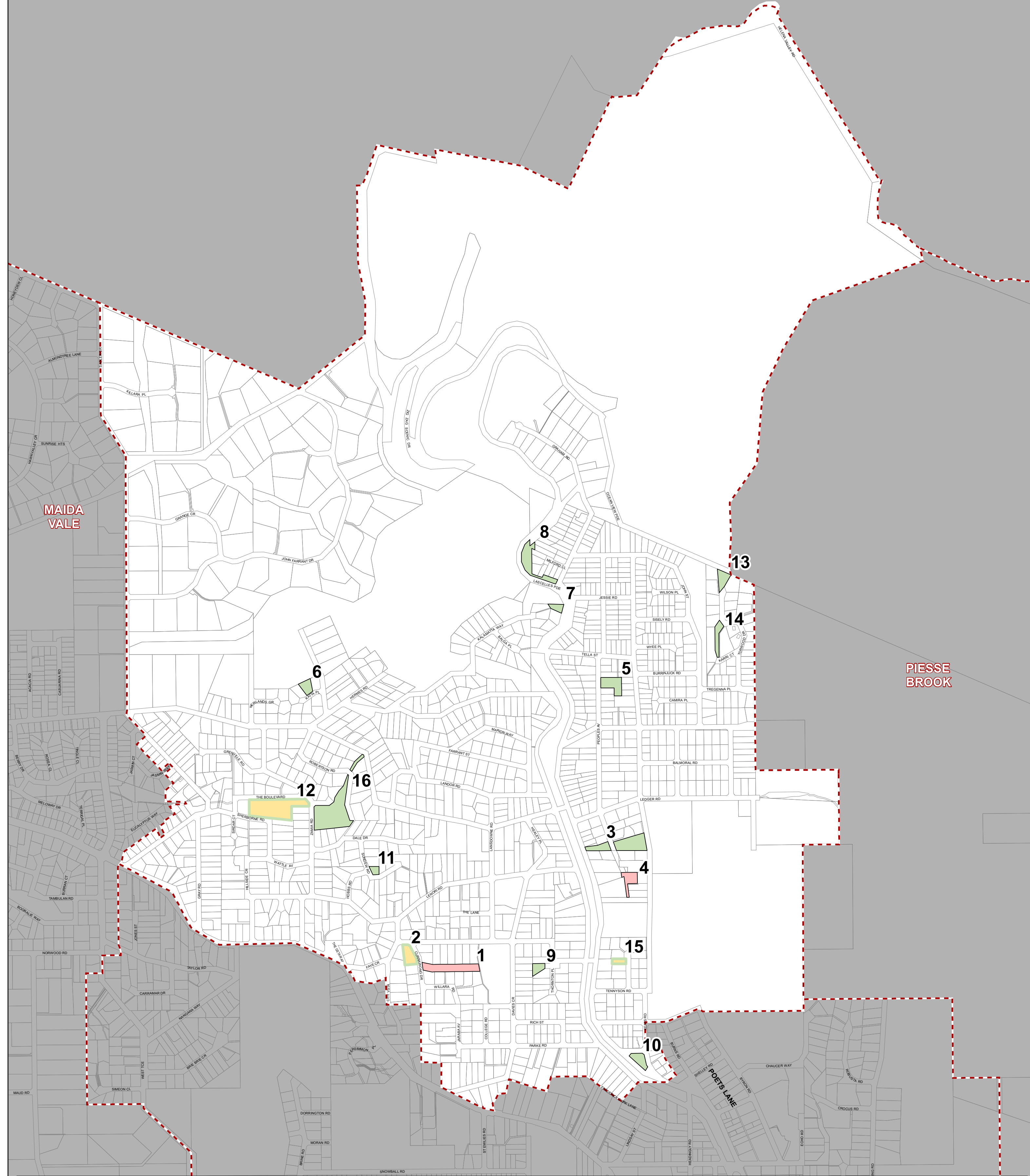
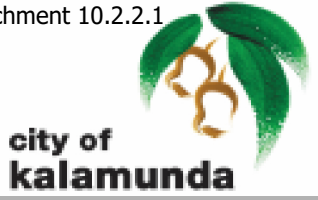
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Date: 4/6/2018

Author: GIS Coordinator





Gooseberry Hill

Reserve			
1	Currawong Drive Reserve	R 33236	9 Noel Road Reserve R 30970
2	Currawong POS	R 33235	10 Old Railway Reserve R 27799
3	Huntley Street Reserve	R 27899	11 Sundew Road Reserve R 28430
4	Huntley Street Reserve South	R 29403	12 The Boulevard Reserve R 27946
5	Kardina Park	R 37452	13 Torwood Drive Reserve 1 R 39629
6	Katta Place Reserve	R 38964	14 Torwood Drive Reserve 2 R 39629
7	Lascelles Parade Reserve 1	R 31594	15 Wordsworth Reserve R 27721
8	Lascelles Parade Reserve 2	R 36372	16 Zamia Road Reserve R 27589

Legend

Function 3

Sport

Recreation

Nature

Function 2

Sport

Recreation

Nature

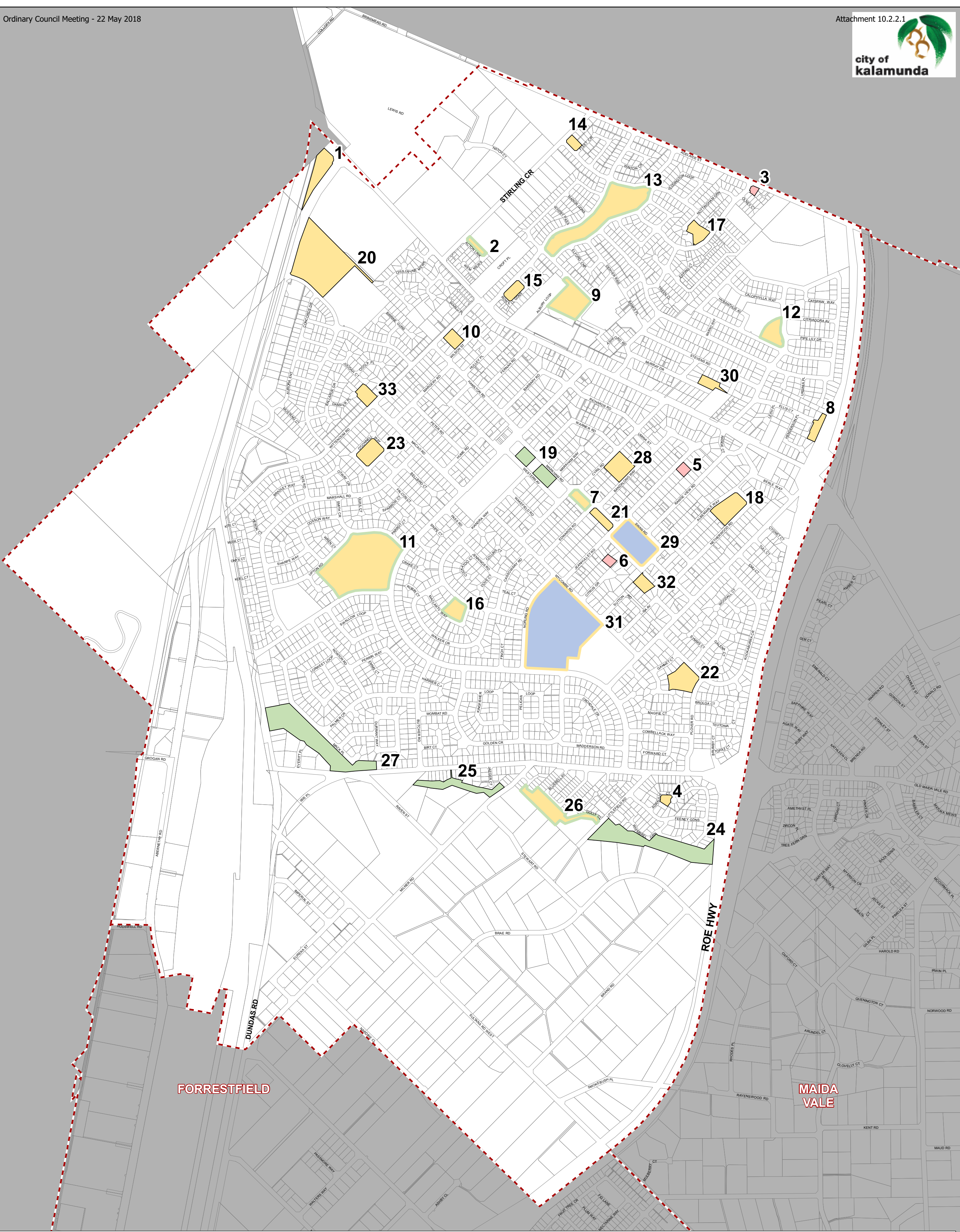
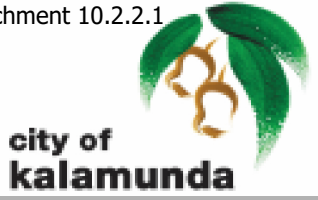
Function 1

Sport

Recreation

Nature

No Function



High Wycombe

Reserve												
1	Abernethy Road Reserve		10	Emms Reserve	R 27815	18	Mackenzie Park	R 29104	26	Poison Gully Springvale / Bluebell Park	R 51230	
2	Acton Link Reserve	R 51238	11	Fleming Reserve	R 39218	19	Markham Road Reserve	R 26063	27	Poison Gully West	R 40228	
3	Adelaide Street Reserve		12	Gladys Newton Park	R 47320	20	Ollie Worrell Reserve	R 43068	28	Progress Park	R 31571	
4	Agraulia Court Park	R 50010	13	Jacaranda Springs Estate 1	R 47570	21	Peter Annus Park	R 36287	29	Rangeview Park	R 36297	
5	Bandalong Way Reserve	R 30540	14	Jacaranda Springs Estate 2	R 46991	22	Peter Hegney Park	R 40529	30	Robert Hewson Park	R 36478	
6	Citrus Grove Reserve	R 28491	15	Jacaranda Springs Estate 3	R 46997	23	Pine Tree Reserve	R 42607	31	Scott Reserve	R 34946	
7	Cyril Road Reserve	R 33977	16	John McLarty Park	R 41731	24	Poison Gully Littlefield	R 36492	32	Swan Road Reserve	R 33221	
8	Ellis Court POS	R 40352	17	Larwood Crescent POS	R 48863	25	Poison Gully Milner	R 36492	33	Viv Robinson Park	R 42697	
9	Elmore Way Park	R 47766										

Legend

Function 3

- Sport
- Recreation
- Nature

Function 2

- Sport
- Recreation
- Nature

Function 1

- Sport
- Recreation
- Nature
- No Function

1:10,000 (A2)

Date: 4/4/2018

Author: GIS Coordinator



city of
kalamunda

Legend

Function 3

- Sport
- Recreation
- Nature

Function 2

- Sport
- Recreation
- Nature

Function 1

- Sport
- Recreation
- Nature
- No Function

Kalamunda

Reserve		
1	Andrew Street Reserve	R 35996
2	Beenup Place Reserve	R 39684
3	Broula Road Reserve	R 28175
4	Coral Road Reserve	R 31447
5	Crayden Road Reserve	R 28860
6	Crocus Road Reserve	R 24130
7	Dixon Road Reserve	
8	Dixon Road Reserve 1	R 31842
9	Dixon Road Reserve 2	R 25574
10	East Terrace Reserve	R 35412
11	Gunbar Way Reserve	R 28896
12	Guppy Road Reserve	R 17503
13	Headingly Road Reserve	R 31117
14	Herald Close Reserve	R 31448
15	Holly West Way Reserve	R 37699
16	J.Miller Park	R 37394
17	Kostera Oval	R 2935
18	Lalor Place POS	R 36865
19	Nangkita Way Reserve 1	R 32277
20	Nangkita Way Reserve 2	R 30693
21	Old Railway Reserve Kalamunda	R 22576
22	Orange Valley Road Reserve 2	R 33340
23	Orange Valley Road Reserve	R 26143
24	Pauline Avenue Reserve	R 25398
25	Petunia Street POS	R 36241
26	Petunia Street Reserve 1	R 29132
27	Roach Road Reserve	R 28183
28	Simeon Close Reserve	R 36352
29	Spring Road North Nature Reserve	R 33453
30	Spring Road Reserve	R 31065
31	Stanhope Road Reserve	R 17503
32	Stirk Park	R 41268
33	Taylor Road Reserve	R 26610
34	Traylen Road Reserve	R 28787

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Date: 4/4/2018

Author: GIS Coordinator

WALLISTON

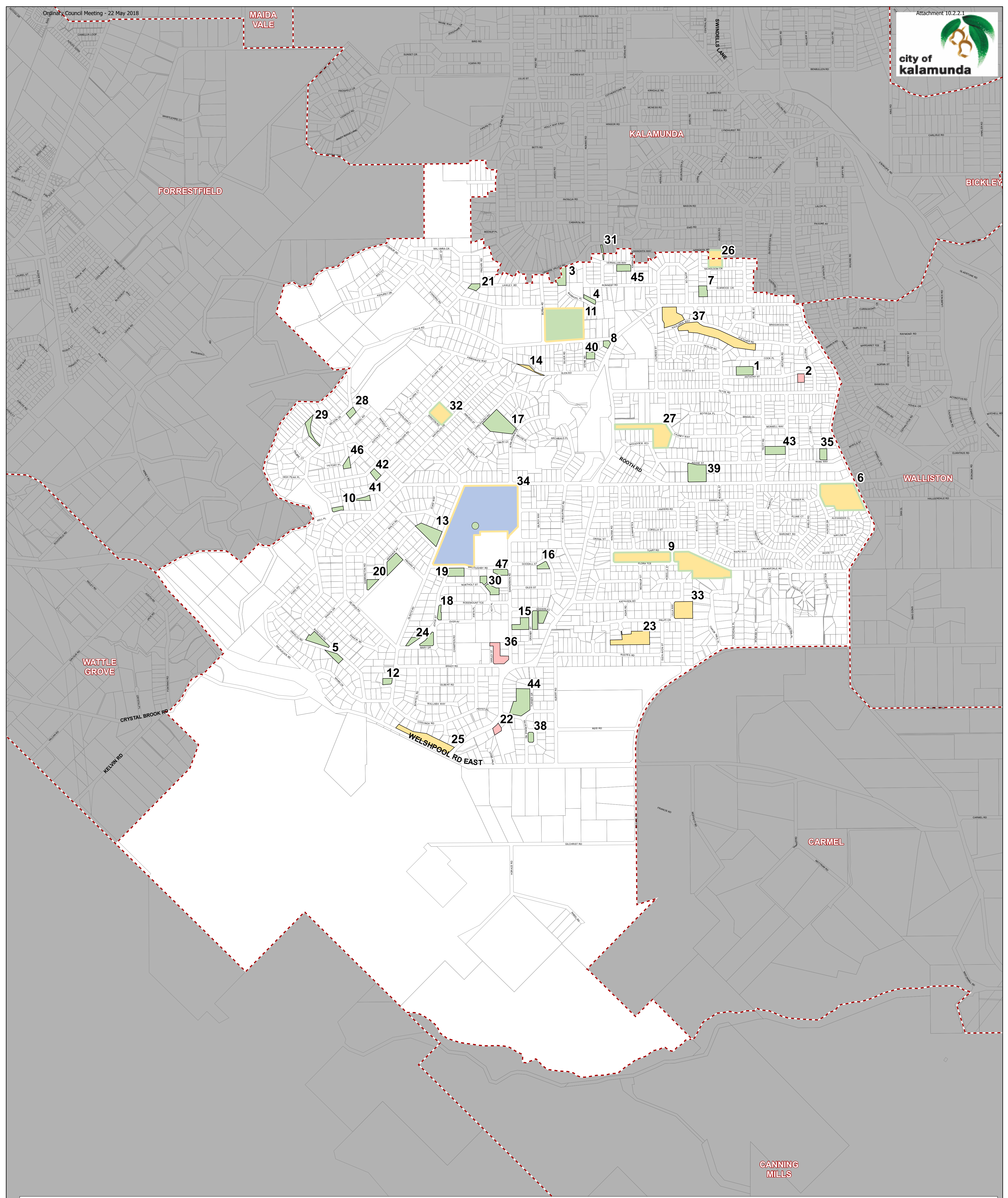
BICKLEY

LESMURDIE

FORRESTFIELD

GOOSEBERRY
HILL

MAIDA
VALE



Lesmurdie

Reserve															
1	Anthony Heslop Reserve	R 27730	13	Gladys Road Reserve	R 27817	25	Mick Conti Park	R 35468	37	Seaton Park	R 33760				
2	Anthony Street Reserve	R 31692	14	Glen Road POS	R 29384	26	Nangkita Way Reserve 2	R 30693	38	Silverdale Road Reserve	R 25189				
3	Barbigal Place Reserve 1	R 34791	15	Godwin Street Reserve	R 28212	27	Neil Tonkin Park / Falls Farm Reserve	R 38569	39	Stirkwood Estate Reserve	R 50011				
4	Barbigal Place Reserve 2	R 33754	16	Goodall Street Reserve	R 33646	28	Nelson Crescent Reserve 2	R 28305	40	Stone Road Reserve	R 37395				
5	Basildon Reserve	R 24948	17	Hugh Sanderson Reserve	R 34183	29	Nelson Crescent Reserve	R 32713	41	Tindale Road Reserve	R 33757				
6	Bill Shaw Reserve	R 32507	18	Joyce Street Reserve 1	R 27465	30	Northolt Street Reserve	R 29873	42	Trafalgar Road Reserve	R 27570				
7	Elmwood Crescent Reserve	R 30693	19	Joyce Street Reserve 2	R 34809	31	Orange Valley Road Reserve 2	R 26143	43	Trott Road Reserve	R 34076				
8	Falls Road Reserve	R 29998	20	Kershaw Avenue Reserve	R 26754	32	Pagotto Park	R 26531	44	Turner Park	R 28624				
9	Flora Terrace Reserve	R 29757	21	Lawley Road Reserve	R 31581	33	Peter Thiel Reserve	R 34666	45	Vernallan Way Reserve	R 29107				
10	Ford Road Reserve	R 32119	22	Lesmurdie Road Reserve	R 32300	34	Ray Owen Reserve	R 26127	46	Victory Place Reserve	R 30186				
11	Fred Eversden Reserve	R 23383	23	Mario Court POS	R 41036	35	Ryan Way Reserve	R 29947	47	Willoughby Reserve	R 29873				
12	Gladys Road Reserve 2	R 34454	24	Mary Drive Reserve	R 26557	36	Sanderson Road Reserve / Pax Hill	R 29190							

Legend

Function 3	Function 2	Function 1
Sport	Sport	Sport
Recreation	Recreation	Recreation
Nature	Nature	Nature
		No Function



Maida Vale

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Reserve

1	Berry Drive Reserve	R 32230
2	Booralie Way Reserve	R 32613
3	Bugendore Street Reserve	R 38541
4	Casuarina Road Reserve	R 38489
5	Crumpet Creek Reserve 2	R 37650
6	Davies Park	R 28852
7	Hawtin Road Reserve 1	R 27792
8	Kalamunda Road Reserve	R 41480
9	Maida Vale Recreation Reserve	R 14088
10	Meloway Drive Reserve	R 32108
11	Millson Reserve	R 31954
12	Nestle Brae Creek Reserve	R 35209
13	Norwood Reserve	R 22502
14	Poison Gully Creek Reserve	R 45989
15	Poison Gully Pinker Crescent	R 48084
16	Saddleback Circle Reserve	R 38271
17	Scenic Drive Reserve	R 33433

Legend

Function 3

- Sport
- Recreation
- Nature

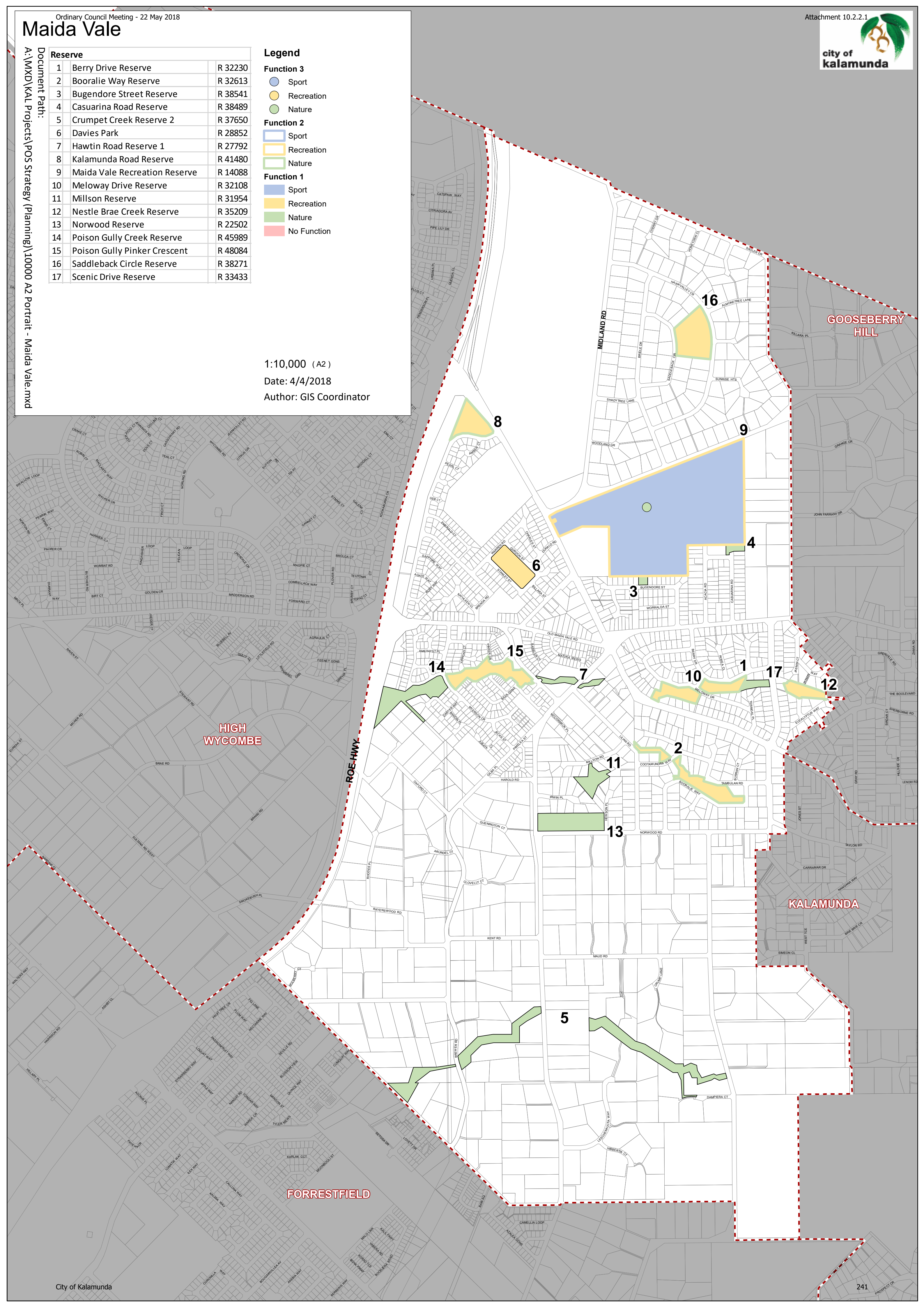
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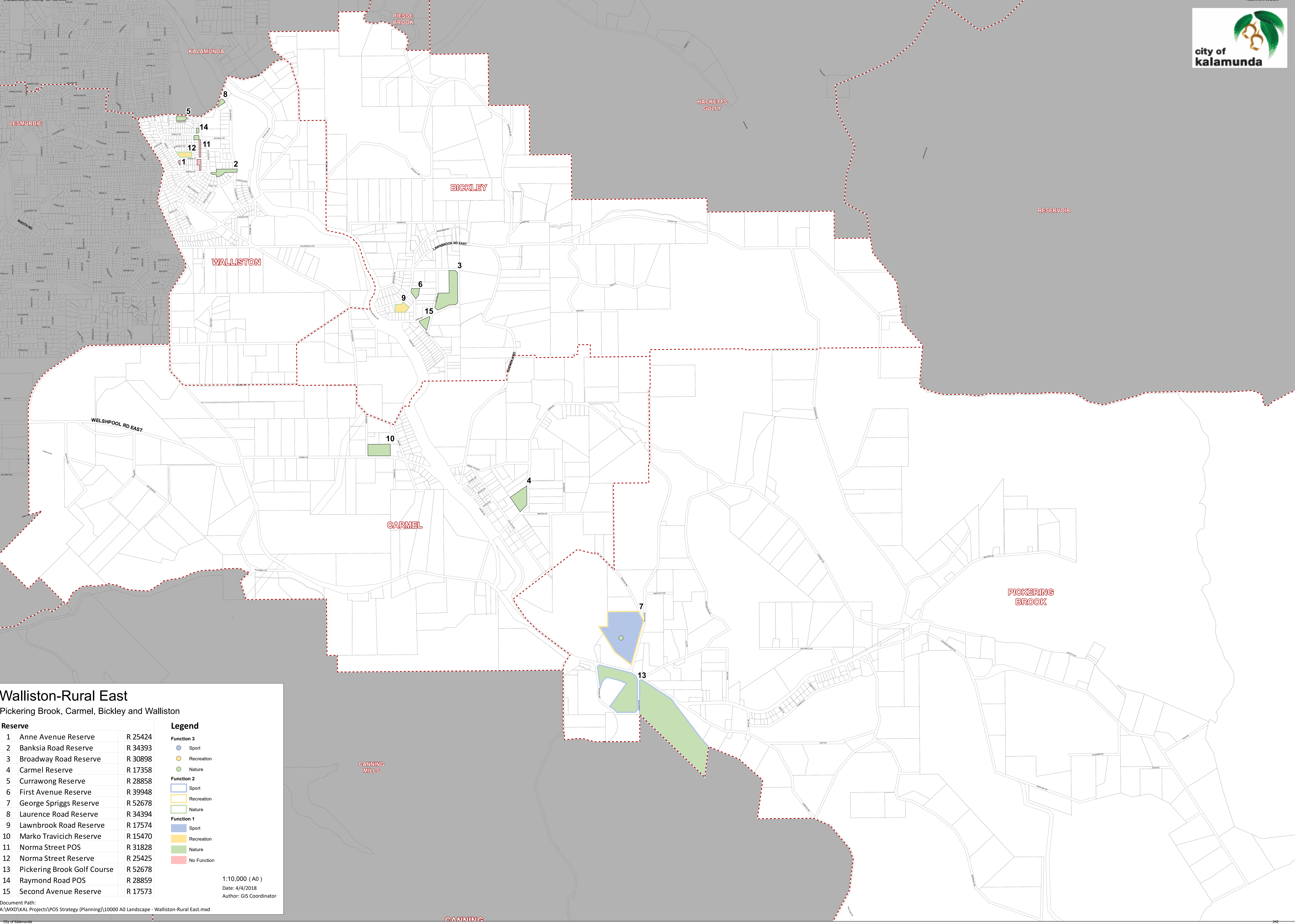
- Sport
- Recreation
- Nature

Function 1

- Sport
- Recreation
- Nature
- No Function

1:10,000 (A2)
Date: 4/4/2018
Author: GIS Coordinator





Walliston-Rural East

Pickering Brook, Carmel, Bickley and Walliston

Reserve		
1	Anne Avenue Reserve	R 25424
2	Banksia Road Reserve	R 34393
3	Broadway Road Reserve	R 30898
4	Carmel Reserve	R 17358
5	Currawong Reserve	R 28858
6	First Avenue Reserve	R 39948
7	George Spriggs Reserve	R 52678
8	Laurence Road Reserve	R 34394
9	Lawnbrook Road Reserve	R 17574
10	Marko Travicich Reserve	R 15470
11	Norma Street POS	R 31828
12	Norma Street Reserve	R 25425
13	Pickering Brook Golf Course	R 52678
14	Raymond Road POS	R 28859
15	Second Avenue Reserve	R 17573

Legend

- Function 3**
- Sport
 - Recreation
 - Nature
- Function 2**
- Sport
 - Recreation
 - Nature
- Function 1**
- Sport
 - Recreation
 - Nature
 - No Function

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Author: GIS Coordinator

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Wattle Grove

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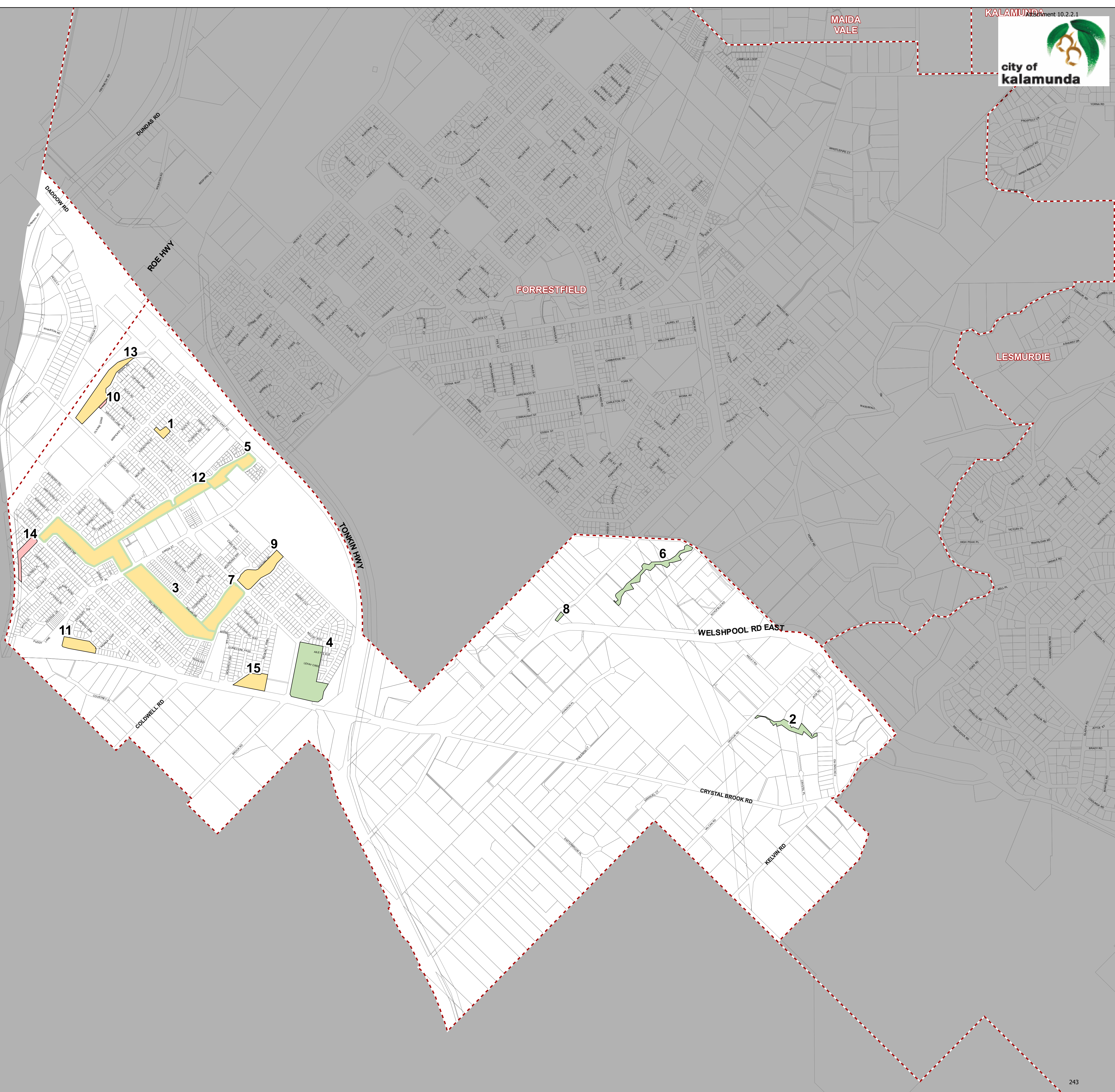
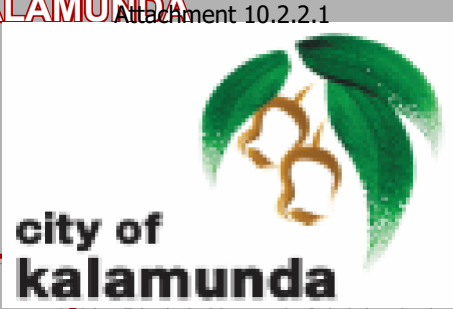
Reserve		
1	Fennell Crescent POS	R 46170
2	Gavour Road Reserve	R 40273
3	Gillings Parade POS	R 47767
4	Grass Tree Reserve	R 50985
5	Hardey East Road Reserve	R 49263
6	Hartfield Road Creekline Reserve	R 35017
7	Kalari Drive POS	R 48696
8	Lewis Road Reserve	R 28344
9	Maamba Road POS	R 52403
10	Olivine Gardens Reserve	R 50721
11	Sheffield Estate	R 47723
12	The Promenade POS	R 48404
13	Willow Lake Estate	R 47590
14	Woodlupine Creek Undeveloped Reserve	R 49965
15	Yule Brook Estate	R 47406

- Legend**
- Function 3**
- Sport
 - Recreation
 - Nature
- Function 2**
- Sport
 - Recreation
 - Nature
- Function 1**
- Sport
 - Recreation
 - Nature
 - No Function

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Date: 4/4/2018

Author: GIS Coordinator



APPENDIX 9: POS CATCHMENTS – MAPPING

Forrestfield

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Reserve		
1	Akebia Way Reserve	R 34610
2	Almond Way POS	R 34237
3	Anderson Road Bushland	R 34600
4	Anderson Road Park	R 36350
5	Berberis Way Reserve	R 34858
6	Berkshire Road Reserve	R 47926
7	Blackbutt Way Reserve	R 35230
8	Boodjera Bend Reserve	R 51191
9	Cambridge Road Reserve	R 27559
10	Connaught Street Reserve	R 28447
11	Crumpet Creek Reserve 2	R 37650
12	Dawson Avenue Reserve	R 41189
13	Dawson Park	R 35618
14	Edinburgh Road Reserve	R 27566
15	Fagin Way Reserve	R 36344
16	Gala Way POS	R 48079
17	Garden Brook Estate	R 33912
18	Hale Road Easement	R 33000
19	Gotha Way POS	R 34857
20	Hartfield Park	R 17098
21	Juniper Way Reserve	R 34706
22	Lincoln Road Reserve	R 32494
23	Magnolia Way Reserve	R 34115
24	Orchard Park Estate 1	R 46496
25	Orchard Park Estate 2	R 47765
26	Orchard Park Estate 3	R 47680
27	Pioneer Park	R 41156
28	Preece Court Reserve	R 42353
29	Redgum Reserve	R 42573
30	Stringybark Drive Reserve	R 34363
31	Sultana Road East POS	R 48778
32	Sussex Road Reserve	R 31690
33	Tillia Court Reserve	R 42611
34	Tyler Mews Park	R 37650
35	Virgillia Way Reserve	R 33741
36	Woodlupine Brook (East)	R 34250
37	Woodlupine Brook Reserve	R 32912

Legend

Classification

REGIONAL PARK

DISTRICT PARK

NEIGHBOURHOOD PARK

LOCAL PARK

BIODIVERSITY ASSET

NO CLASSIFICATION

400m Catchments per Reserve

REGIONAL PARK

DISTRICT PARK

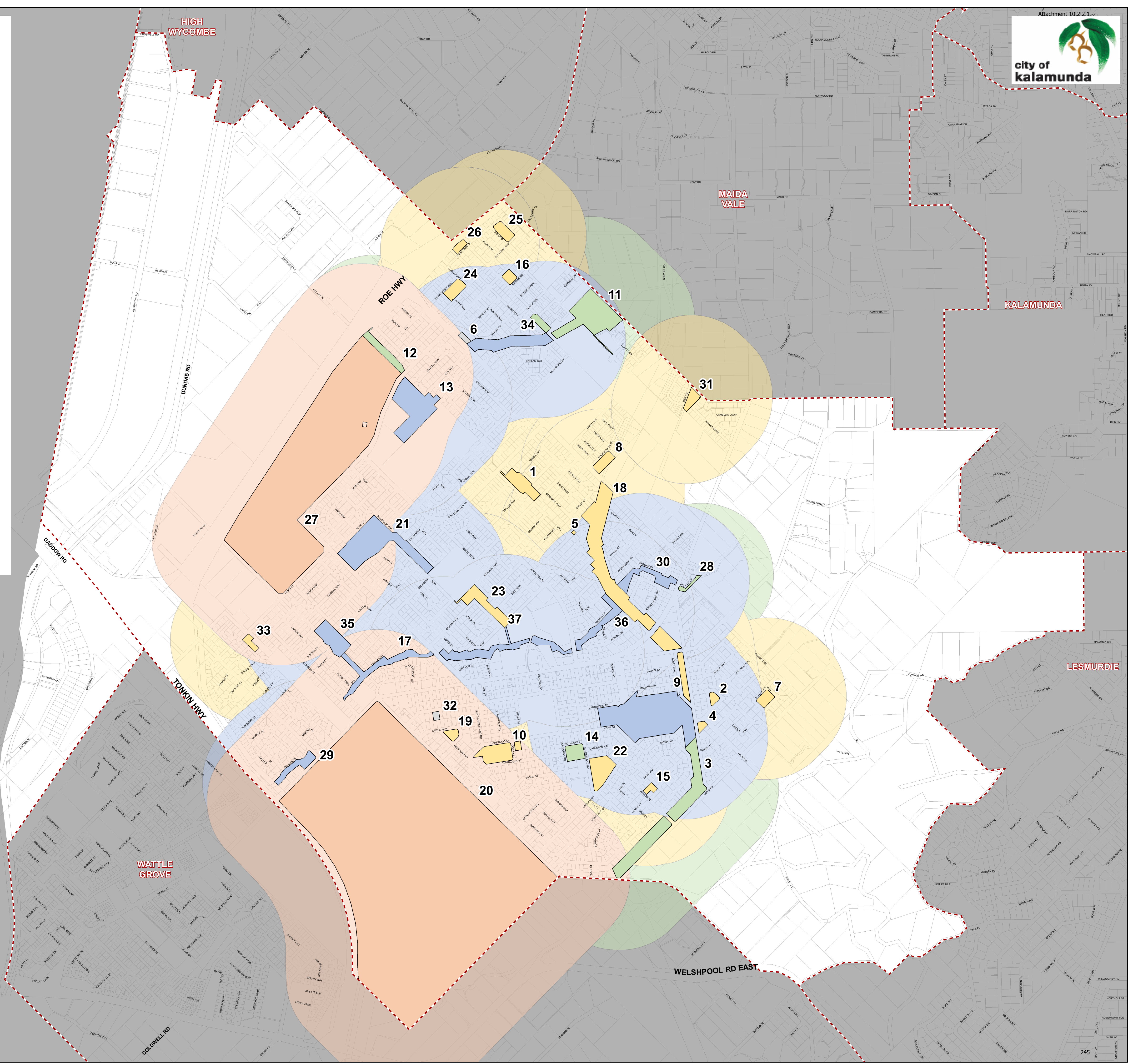
NEIGHBOURHOOD PARK

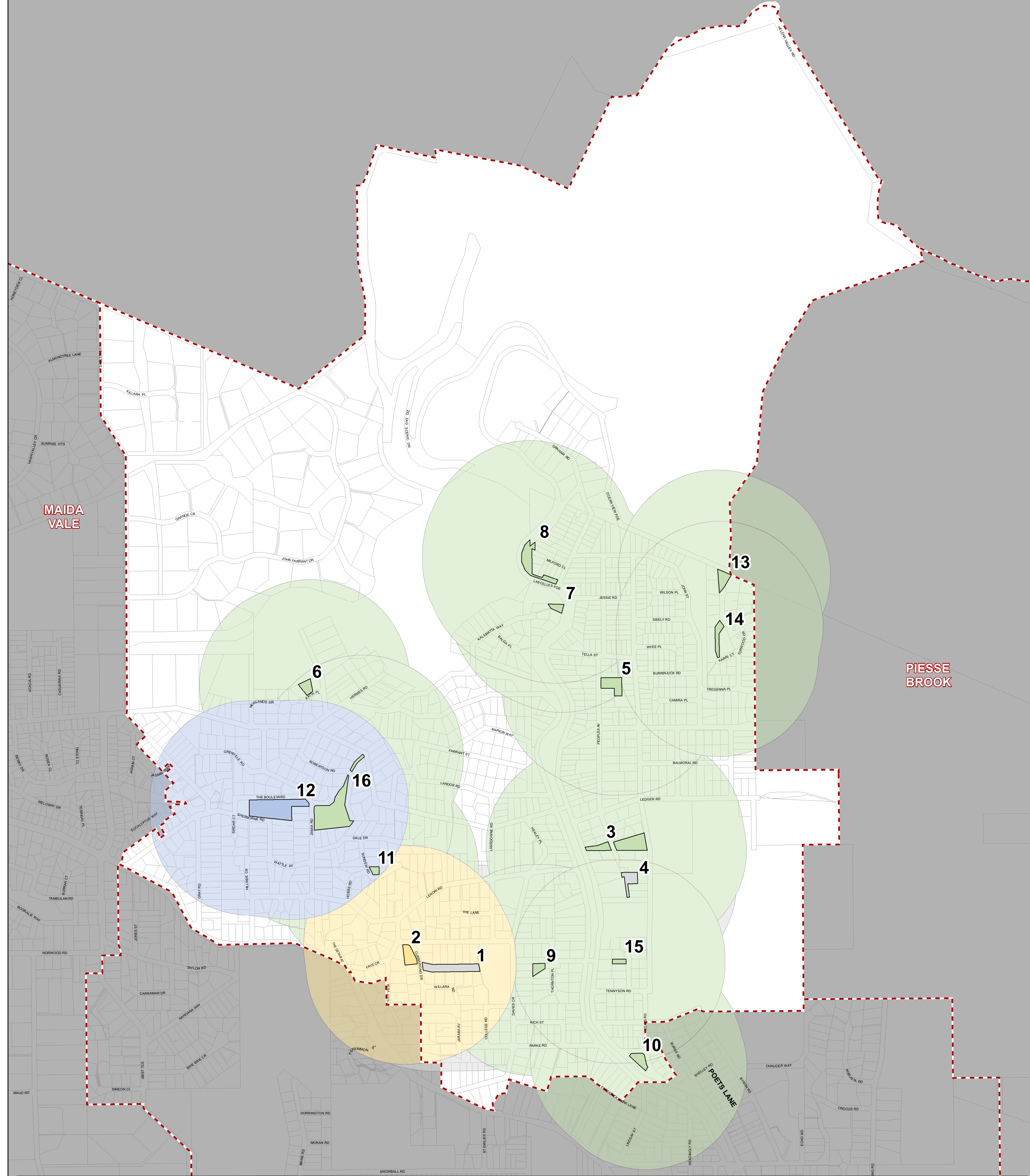
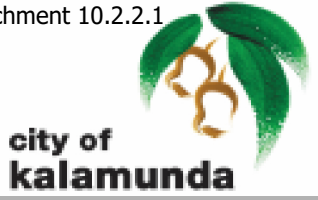
LOCAL PARK

BIODIVERSITY ASSET

NO CLASSIFICATION

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Author: GIS Coordinator





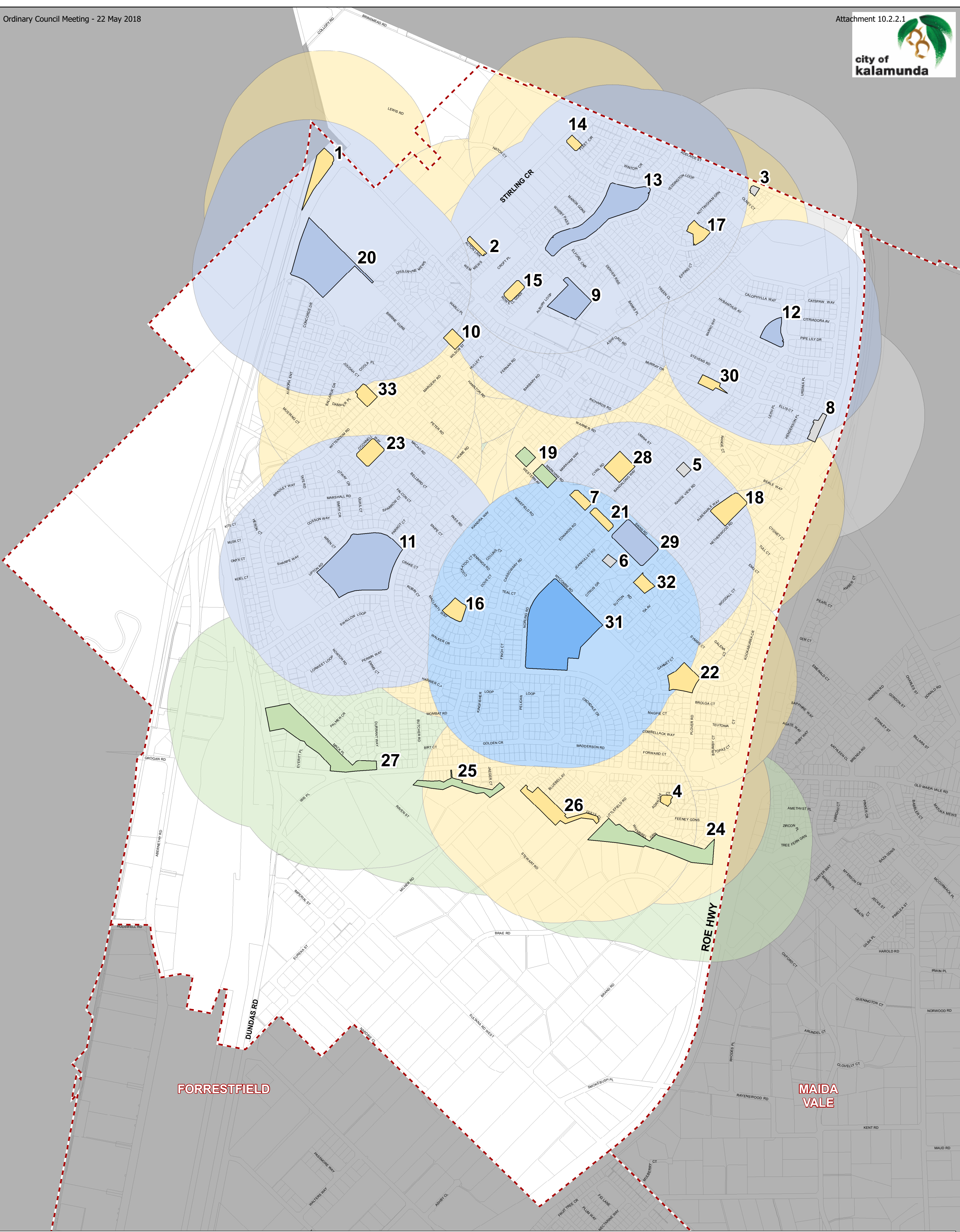
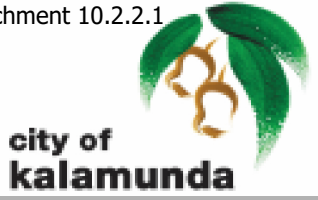
Gooseberry Hill

Reserve					
1	Currawong Drive Reserve	R 33236	9	Noel Road Reserve	R 30970
2	Currawong POS	R 33235	10	Old Railway Reserve	R 27799
3	Huntley Street Reserve	R 27899	11	Sundew Road Reserve	R 28430
4	Huntley Street Reserve South	R 29403	12	The Boulevard Reserve	R 27946
5	Kardina Park	R 37452	13	Torwood Drive Reserve 1	R 39629
6	Katta Place Reserve	R 38964	14	Torwood Drive Reserve 2	R 39629
7	Lascelles Parade Reserve 1	R 31594	15	Wordsworth Reserve	R 27721
8	Lascelles Parade Reserve 2	R 36372	16	Zamia Road Reserve	R 27589

Legend

Classification	400m Catchments per Reserve
REGIONAL PARK	REGIONAL PARK
DISTRICT PARK	DISTRICT PARK
NEIGHBOURHOOD PARK	NEIGHBOURHOOD PARK
LOCAL PARK	LOCAL PARK
BIODIVERSITY ASSET	BIODIVERSITY ASSET
NO CLASSIFICATION	NO CLASSIFICATION

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High Wycombe

Reserve														
1	Abernethy Road Reserve		10	Emms Reserve	R 27815	18	Mackenzie Park	R 29104	26	Poison Gully Springvale / Bluebell Park	R 51230			
2	Acton Link Reserve	R 51238	11	Fleming Reserve	R 39218	19	Markham Road Reserve	R 26063	27	Poison Gully West	R 40228			
3	Adelaide Street Reserve		12	Gladys Newton Park	R 47320	20	Ollie Worrell Reserve	R 43068	28	Progress Park	R 31571			
4	Agraulia Court Park	R 50010	13	Jacaranda Springs Estate 1	R 47570	21	Peter Annus Park	R 36287	29	Rangeview Park	R 36297			
5	Bandalong Way Reserve	R 30540	14	Jacaranda Springs Estate 2	R 46991	22	Peter Hegney Park	R 40529	30	Robert Hewson Park	R 36478			
6	Citrus Grove Reserve	R 28491	15	Jacaranda Springs Estate 3	R 46997	23	Pine Tree Reserve	R 42607	31	Scott Reserve	R 34946			
7	Cyril Road Reserve	R 33977	16	John McLarty Park	R 41731	24	Poison Gully Littlefield	R 36492	32	Swan Road Reserve	R 33221			
8	Ellis Court POS	R 40352	17	Larwood Crescent POS	R 48863	25	Poison Gully Milner	R 36492	33	Viv Robinson Park	R 42697			
9	Elmore Way Park	R 47766												

Legend

Classification

REGIONAL PARK

DISTRICT PARK

NEIGHBOURHOOD PARK

LOCAL PARK

BIODIVERSITY ASSET

NO CLASSIFICATION

400m Catchments per Reserve

REGIONAL PARK

DISTRICT PARK

NEIGHBOURHOOD PARK

LOCAL PARK

BIODIVERSITY ASSET

NO CLASSIFICATION

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Date: 4/4/2018
Author: GIS Coordinator

Kalamunda



Legend

Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

400m Catchments per Reserve

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

Reserve		
1	Andrew Street Reserve	R 35996
2	Beenup Place Reserve	R 39684
3	Broula Road Reserve	R 28175
4	Coral Road Reserve	R 31447
5	Crayden Road Reserve	R 28860
6	Crocus Road Reserve	R 24130
7	Dixon Road Reserve	
8	Dixon Road Reserve 1	R 31842
9	Dixon Road Reserve 2	R 25574
10	East Terrace Reserve	R 35412
11	Gunbar Way Reserve	R 28896
12	Guppy Road Reserve	R 17503
13	Headingly Road Reserve	R 31117
14	Herald Close Reserve	R 31448
15	Holly West Way Reserve	R 37699
16	J.Miller Park	R 37394
17	Kostera Oval	R 2935
18	Lalor Place POS	R 36865
19	Nangkita Way Reserve 1	R 32277
20	Nangkita Way Reserve 2	R 30693
21	Old Railway Reserve Kalamunda	R 22576
22	Orange Valley Road Reserve 2	R 33340
23	Orange Valley Road Reserve	R 26143
24	Pauline Avenue Reserve	R 25398
25	Petunia Street POS	R 36241
26	Petunia Street Reserve 1	R 29132
27	Roach Road Reserve	R 28183
28	Simeon Close Reserve	R 36352
29	Spring Road North Nature Reserve	R 33453
30	Spring Road Reserve	R 31065
31	Stanhope Road Reserve	R 17503
32	Stirk Park	R 41268
33	Taylor Road Reserve	R 26610
34	Traylen Road Reserve	R 28787

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





Author: GIS Coordinator



Lesmurdie

Reserve											
1	Anthony Heslop Reserve	R 27730	13	Gladys Road Reserve	R 27817	25	Mick Conti Park	R 35468	37	Seaton Park	R 33760
2	Anthony Street Reserve	R 31692	14	Glen Road POS	R 29384	26	Nangkita Way Reserve 2	R 30693	38	Silverdale Road Reserve	R 25189
3	Barbital Place Reserve 1	R 34791	15	Godwin Street Reserve	R 28212	27	Neil Tonkin Park / Falls Farm Reserve	R 38569	39	Stirkwood Estate Reserve	R 50011
4	Barbital Place Reserve 2	R 33754	16	Goodall Street Reserve	R 33646	28	Nelson Crescent Reserve 2	R 28305	40	Stone Road Reserve	R 37395
5	Basildon Reserve	R 24948	17	Hugh Sanderson Reserve	R 34183	29	Nelson Crescent Reserve	R 32713	41	Tindale Road Reserve	R 33757
6	Bill Shaw Reserve	R 32507	18	Joyce Street Reserve 1	R 27465	30	Northolt Street Reserve	R 29873	42	Trafalgar Road Reserve	R 27570
7	Elmwood Crescent Reserve	R 30693	19	Joyce Street Reserve 2	R 34809	31	Orange Valley Road Reserve 2	R 26143	43	Trott Road Reserve	R 34076
8	Falls Road Reserve	R 29998	20	Kershaw Avenue Reserve	R 26754	32	Pagotto Park	R 26531	44	Turner Park	R 28624
9	Flora Terrace Reserve	R 29757	21	Lawley Road Reserve	R 31581	33	Peter Thiel Reserve	R 34666	45	Vernallan Way Reserve	R 29107
10	Ford Road Reserve	R 32119	22	Lesmurdie Road Reserve	R 32300	34	Ray Owen Reserve	R 26127	46	Victory Place Reserve	R 30186
11	Fred Eversden Reserve	R 23383	23	Mario Court POS	R 41036	35	Ryan Way Reserve	R 29947	47	Willoughby Reserve	R 29873
12	Gladys Road Reserve 2	R 34454	24	Mary Drive Reserve	R 26557	36	Sanderson Road Reserve / Pax Hill	R 29190			

Legend

Classification	400m Catchments per Reserve
 REGIONAL PARK	 REGIONAL PARK
 DISTRICT PARK	 DISTRICT PARK
 NEIGHBOURHOOD PARK	 NEIGHBOURHOOD PARK
 LOCAL PARK	 LOCAL PARK
 BIODIVERSITY ASSET	 BIODIVERSITY ASSET
 NO CLASSIFICATION	 NO CLASSIFICATION

Date: 4/4/2018

Author: GIS Coordinator

Maida Vale

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Reserve		
1	Berry Drive Reserve	R 32230
2	Booralie Way Reserve	R 32613
3	Bugendore Street Reserve	R 38541
4	Casuarina Road Reserve	R 38489
5	Crumpet Creek Reserve 2	R 37650
6	Davies Park	R 28852
7	Hawtin Road Reserve 1	R 27792
8	Kalamunda Road Reserve	R 41480
9	Maida Vale Recreation Reserve	R 14088
10	Meloway Drive Reserve	R 32108
11	Millson Reserve	R 31954
12	Nestle Brae Creek Reserve	R 35209
13	Norwood Reserve	R 22502
14	Poison Gully Creek Reserve	R 45989
15	Poison Gully Pinker Crescent	R 48084
16	Saddleback Circle Reserve	R 38271
17	Scenic Drive Reserve	R 33433

Legend

Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

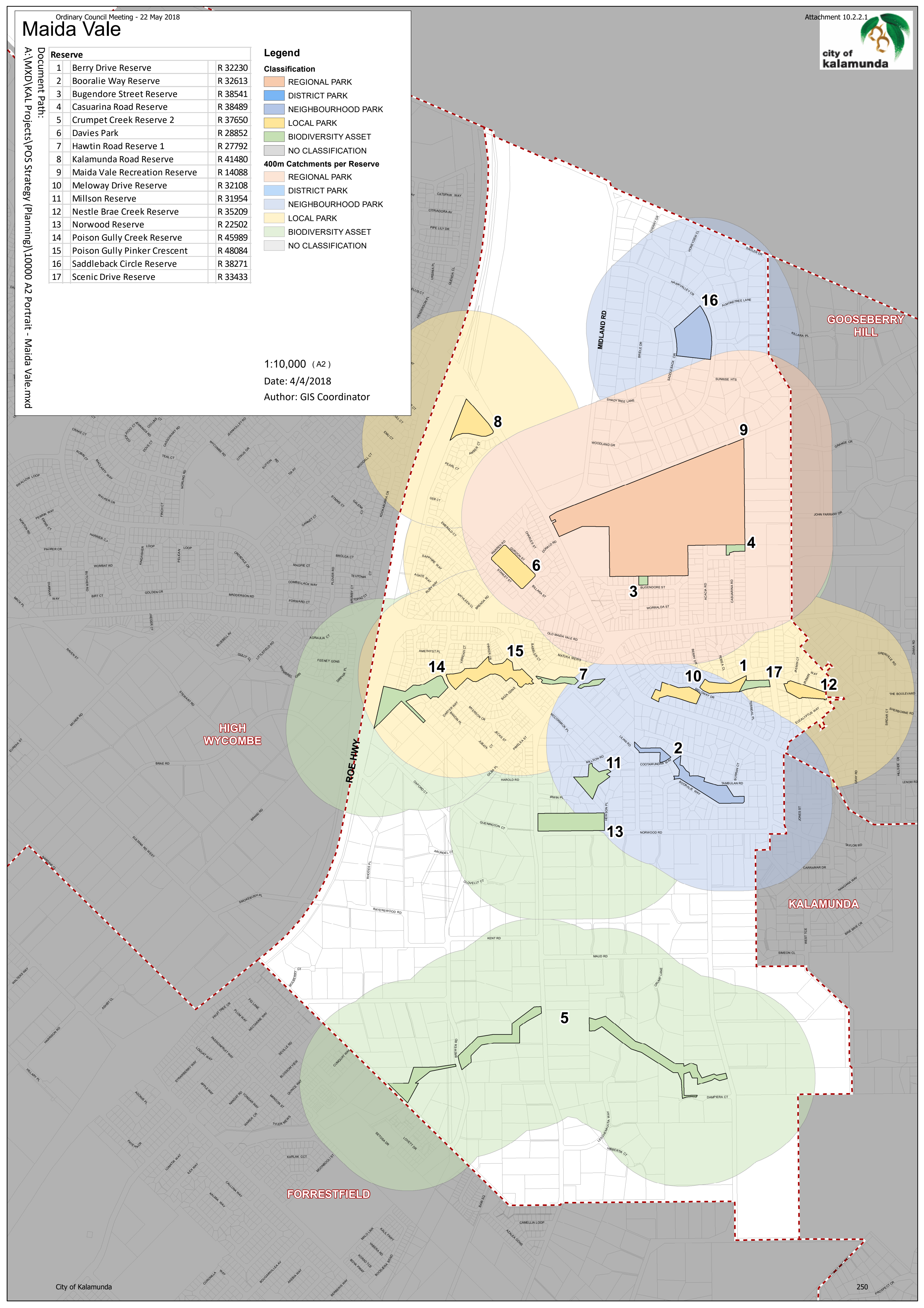
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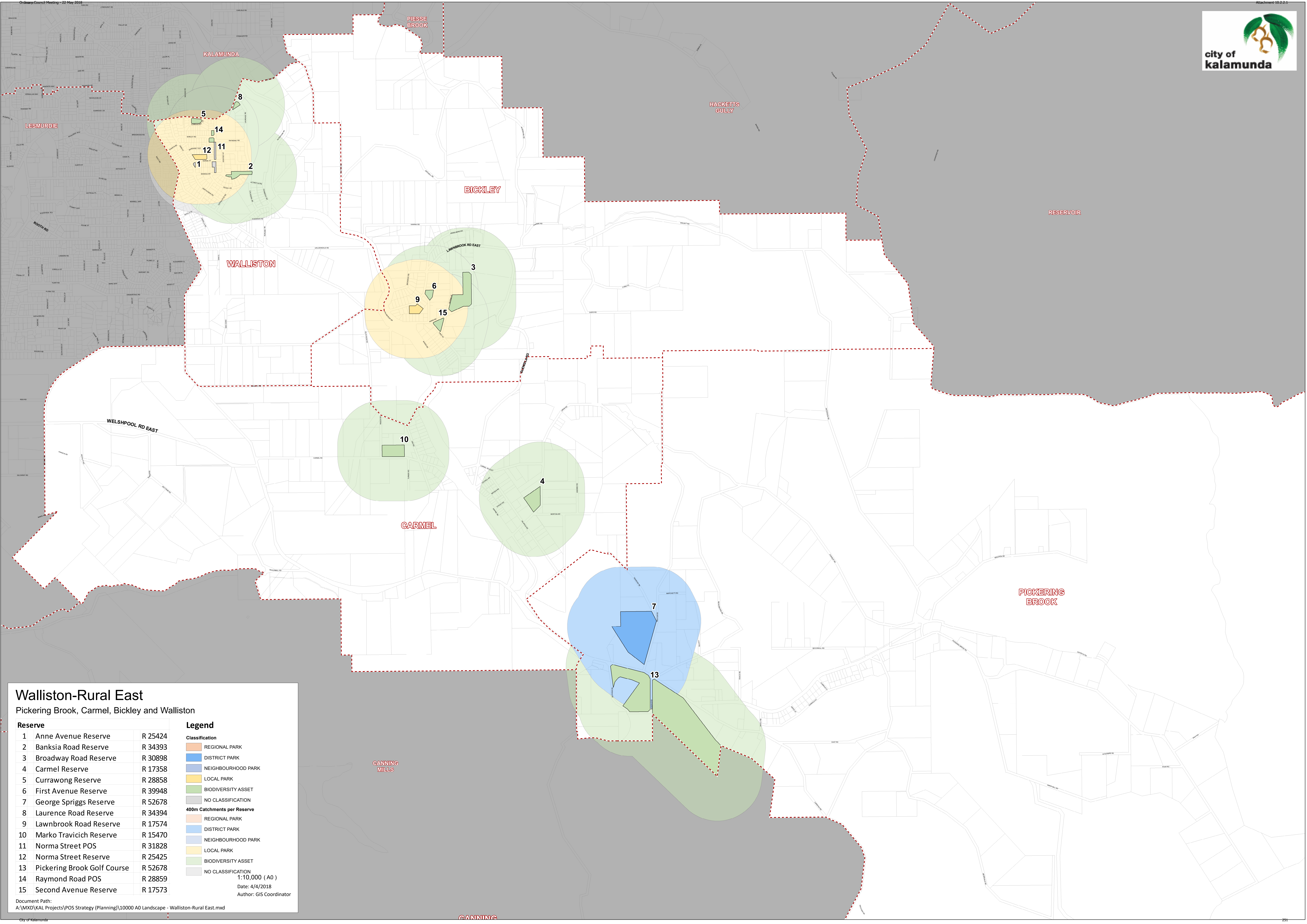
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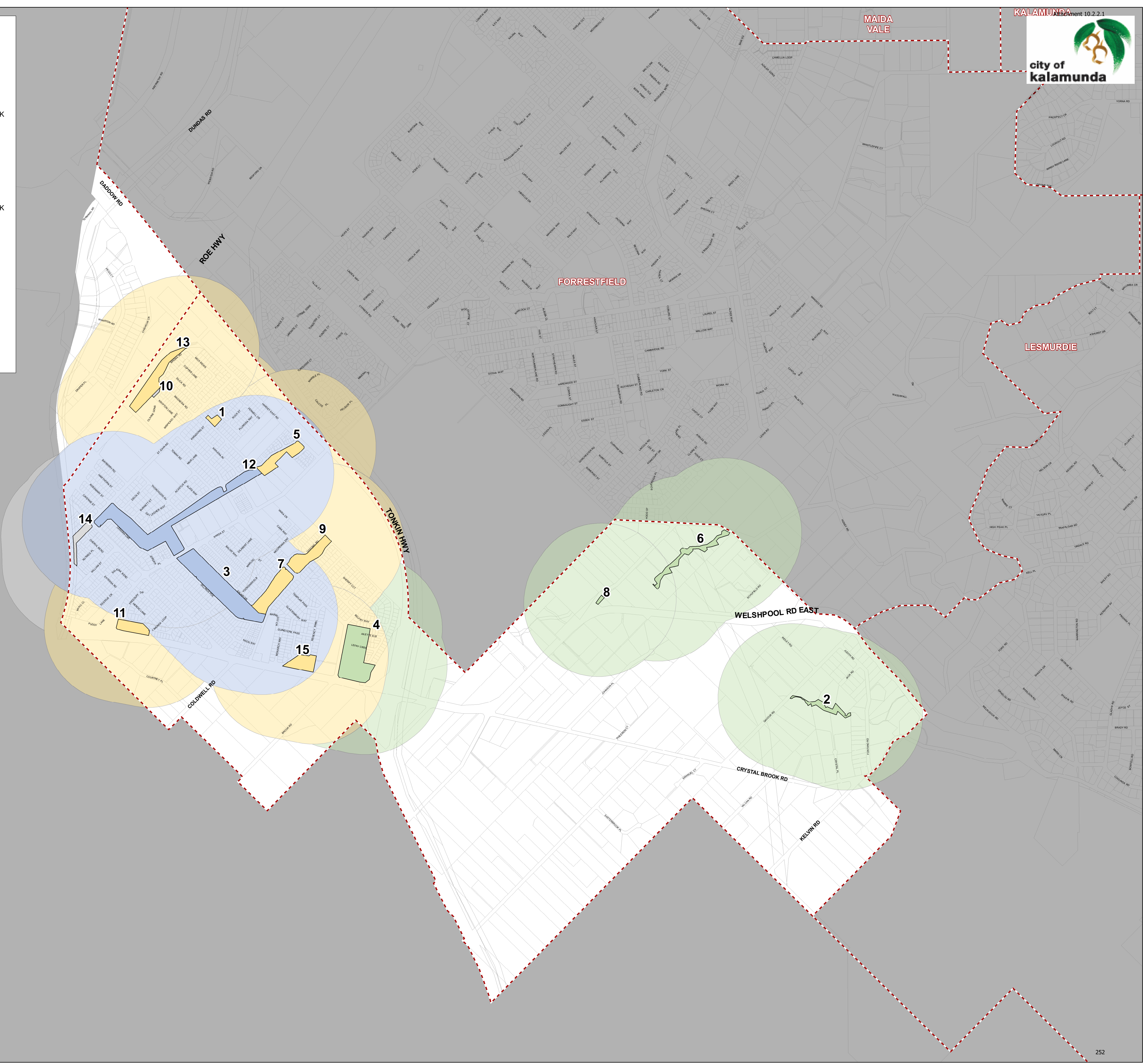


Wattle Grove

Reserve		
1	Fennell Crescent POS	R 46170
2	Gavour Road Reserve	R 40273
3	Gillings Parade POS	R 47767
4	Grass Tree Reserve	R 50985
5	Hardey East Road Reserve	R 49263
6	Hartfield Road Creekline Reserve	R 35017
7	Kalari Drive POS	R 48696
8	Lewis Road Reserve	R 28344
9	Maamba Road POS	R 52403
10	Olivine Gardens Reserve	R 50721
11	Sheffield Estate	R 47723
12	The Promenade POS	R 48404
13	Willow Lake Estate	R 47590
14	Woodlupine Creek Undeveloped Reserve	R 49965
15	Yule Brook Estate	R 47406

Legend	
Classification	
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400m Catchments per Reserve	
<div></div>	REGIONAL PARK
<div></div>	DISTRICT PARK
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<div></div>	LOCAL PARK
<div></div>	BIODIVERSITY ASSET
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Author: GIS Coordinator



APPENDIX 10: POS ASSESSMENTS

FORRESTFIELD

POS Reserve Name	Reserve No.	Property No.	Property Street	Classification	Functions	Rating
Akebia Way Reserve	R 34610	45	AKEBIA WAY	LOCAL PARK	Recreation, Nature	B
Almond Way POS	R 34237	21	ALMOND WAY	LOCAL PARK	Recreation, Nature	D
Anderson Road Bushland	R 34600	121	LEWIS ROAD	BIODIVERSITY ASSET	Nature, Recreation	
Anderson Road Park	R 36350	71	ANDERSON ROAD	LOCAL PARK	Recreation, Nature	C
Berberis Way Reserve	R 34858	65	BERBERIS WAY	LOCAL PARK	Recreation, Nature	C
Berkshire Road Reserve	R 47926	167	BERKSHIRE ROAD	NO CLASSIFICATION	No Function	D
Blackbutt Way Reserve	R 35230	10	BLACKBUTT WAY	LOCAL PARK	Recreation, Nature	C
Boodjera Bend Reserve	R 51191	10	BOODJERA BEND	LOCAL PARK	Recreation, Nature	B
Cambridge Road Reserve	R 27559	12	CAMBRIDGE ROAD	NEIGHBOURHOOD PARK	Recreation, Nature	D
Connaught Street Reserve	R 28447	35	HAREWOOD STREET	LOCAL PARK	Recreation, Nature	C
Crumpet Creek Reserve 2	R 37650	276	SULTANA ROAD EAST	BIODIVERSITY ASSET	Nature	
Dawson Avenue Reserve	R 41189	198	DAWSON AVENUE	BIODIVERSITY ASSET	Nature	
Dawson Park	R 35618	191	DAWSON AVENUE	NEIGHBOURHOOD PARK	Recreation, Nature	C
Edinburgh Road Reserve	R 27566	31	EDINBURGH ROAD	BIODIVERSITY ASSET	Nature	
Fagin Way Reserve	R 36344	17	JUBILEE ROAD	LOCAL PARK	Nature, Recreation	C
Gala Way POS	R 48079	50	APRICOT STREET	LOCAL PARK	Recreation	B
Garden Brook Estate	R 33912	12	CYPRESS ROAD	NEIGHBOURHOOD PARK	Recreation, Nature	C
Gotha Way POS	R 33000	5	ABERCORN ROAD	LOCAL PARK	Recreation, Nature	D
Hale Road Easement	R 34857	14A	GIMLET COURT	LOCAL PARK	Recreation	D
Hartfield Park	R 17098	199	HALE ROAD	REGIONAL PARK	Sport, Recreation, Nature	A
Juniper Way Reserve	R 34706	85	DAWSON AVENUE	NEIGHBOURHOOD PARK	Recreation, Nature	B
Lincoln Road Reserve	R 32494	43	CUMBERLAND ROAD	LOCAL PARK	Recreation, Nature	B
Magnolia Way Reserve	R 34115	41	MAGNOLIA WAY	LOCAL PARK	Recreation	C
Orchard Park Estate 1	R 46496	14	FRUIT TREE CRESCENT	LOCAL PARK	Recreation	C
Orchard Park Estate 2	R 47765	120	FRUIT TREE CRESCENT	LOCAL PARK	Recreation	C
Orchard Park Estate 3	R 47680	81	FRUIT TREE CRESCENT	LOCAL PARK	Recreation	C
Pioneer Park	R 41156	120	DAWSON AVENUE	REGIONAL PARK	Nature	D
Preece Court Reserve	R 42353	4	PREECE COURT	BIODIVERSITY ASSET	Nature	
Redgum Reserve	R 42573	2	REYNOLDS ROAD	NEIGHBOURHOOD PARK	Recreation, Nature	B
Stringybark Drive Reserve	R 34363	7	STRINGYBARK DRIVE	NEIGHBOURHOOD PARK	Recreation, Nature	C
Sultana Road East POS	R 48778	332	SULTANA ROAD EAST	LOCAL PARK	Recreation	C
Sussex Road Reserve	R 31690	95	SUSSEX ROAD	NO CLASSIFICATION	No Function	D
Tillia Court Reserve	R 42611	2	TILLIA COURT	LOCAL PARK	Recreation, Nature	C
Tyler Mews Park	R 37650	16	WARDA CRESCENT	NEIGHBOURHOOD PARK	Recreation, Nature	B
Virgillia Way Reserve	R 33741	33	VIRGILIA WAY	NEIGHBOURHOOD PARK	Recreation	B
Woodlupine Brook (East)	R 34250	9	STRELITZIA AVENUE	NEIGHBOURHOOD PARK	Recreation, Nature	C
Woodlupine Brook Reserve	R 32912	Lot 104	SALIX WAY	NEIGHBOURHOOD PARK	Recreation, Nature	B

POS Reserve Name	Reserve No.	Property No.	Property Street	Classification	Function	Rating
Currawong Drive Reserve	R 33236	8A	CURRAWONG DRIVE	NO CLASSIFICATION	No Function	D
Currawong POS	R 33235	1	CURRAWONG DRIVE	LOCAL PARK	Recreation, Nature	C
Huntley Street Reserve	R 27899	71	HUNTLEY STREET	BIODIVERSITY ASSET	Nature	
Huntley Street Reserve South	R 29403	59	HUNTLEY STREET	NO CLASSIFICATION	No Function	D
Kardina Park	R 37452	9	PEOPLES AVENUE	BIODIVERSITY ASSET	Nature	
Katta Place Reserve	R 38964	3	KATTA PLACE	BIODIVERSITY ASSET	Nature	
Lascelles Parade Reserve 1	R 31594	19	LASCELLES PARADE	BIODIVERSITY ASSET	Nature	
Lascelles Parade Reserve 2	R 36372	50	LASCELLES PARADE	BIODIVERSITY ASSET	Nature	
Noel Road Reserve	R 30970	9	NOEL ROAD	BIODIVERSITY ASSET	Nature	
Old Railway Reserve	R 27799		William Street/Browning Way/Keats Road	BIODIVERSITY ASSET	Nature	
Sundew Road Reserve	R 28430	9	SUNDEW ROAD	BIODIVERSITY ASSET	Nature	
The Boulevard Reserve	R 27946	18	THE BOULEVARD	NEIGHBOURHOOD PARK	Recreation, Nature	B
Torwood Drive Reserve 1	R 39629	38	TORWOOD DRIVE	BIODIVERSITY ASSET	Nature	
Torwood Drive Reserve 2	R 39629	26	TORWOOD DRIVE	BIODIVERSITY ASSET	Nature	
Wordsworth Reserve	R 27721	9	WORDSWORTH AVENUE	BIODIVERSITY ASSET	Recreation, Nature	
Zamia Road Reserve	R 27589	34	ZAMIA ROAD	BIODIVERSITY ASSET	Nature	


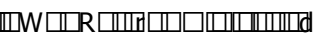
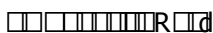
HIGH WYCOMBE

POS Reserve Name	Reserve No.	Property No.	Property Street	Classification	Function	Rating
Abernethy Road Reserve		Lot 101		LOCAL PARK	Recreation	C
Acton Link Reserve	R 51238	3	ACTON LINK	LOCAL PARK	Recreation, Nature	C
Adelaide Street Reserve		Lot 8000	ADELAIDE STREET	NO CLASSIFICATION	No Function	D
Agraulia Court Park	R 50010	10	AGRAULIA COURT	LOCAL PARK	Recreation	C
Bandalong Way Reserve	R 30540	67	BANDALONG WAY	NO CLASSIFICATION	No Function	D
Citrus Grove Reserve	R 28491	17A	CITRUS GROVE	NO CLASSIFICATION	No Function	D
Cyril Road Reserve	R 33977	59	SWAN ROAD	LOCAL PARK	Recreation, Nature	C
Ellis Court POS	R 40352	23	ELLIS COURT	NO CLASSIFICATION	Recreation	D
Elmore Way Park	R 47766	24	ELMORE WAY	NEIGHBOURHOOD PARK	Recreation, Nature	B
Emms Reserve	R 27815	13	WITTENOOM ROAD	LOCAL PARK	Recreation	C
Fleming Reserve	R 39218	111	NEWBURN ROAD	NEIGHBOURHOOD PARK	Sport, Recreation, Nature	A
Gladys Newton Park	R 47320	41	HAWKEVALE ROAD	NEIGHBOURHOOD PARK	Recreation, Nature	C
Jacaranda Springs Estate	R 47570	3	BOWDEN DRIVE	NEIGHBOURHOOD PARK	Recreation, Nature	A
Jacaranda Springs Estate 2	R 46991	5	BENSON WAY	LOCAL PARK	Recreation	B
Jacaranda Springs Estate 3	R 46997	12	FOXTON BOULEVARD	LOCAL PARK	Recreation	B
John McLarty Park	R 41731	18	MACLARTY WAY	LOCAL PARK	Recreation, Nature	C
Larwood Crescent POS	R 48863	25	NOTTINGHAM GREEN	LOCAL PARK	Recreation	C
Mackenzie Park	R 29104	38	NETHERWOOD ROAD	LOCAL PARK	Recreation	B
Markham Road Reserve	R 26063	11	MARKHAM ROAD	BIODIVERSITY ASSET	Nature	
Ollie Worrell Reserve	R 43068	70	WORRELL AVENUE	NEIGHBOURHOOD PARK	Recreation	B
Peter Annus Park	R 36287	51	SWAN ROAD	LOCAL PARK	Recreation	C
Peter Hegney Park	R 40529	63	KOOKABURRA CRESCENT	LOCAL PARK	Recreation	C
Pine Tree Reserve	R 42607	10	O'CONNELL WAY	LOCAL PARK	Recreation	C
Poison Gully Littlefield	R 36492	29	LITTLEFIELD ROAD	BIODIVERSITY ASSET	Nature	
Poison Gully Milner	R 36492	14	MILNER ROAD	BIODIVERSITY ASSET	Nature	
Poison Gully Springvale/Bluebell Park	R 51230	Lot 20	BLUEBELL AVENUE	LOCAL PARK	Recreation, Nature	B
Poison Gully West	R 40228	195	DUNDAS ROAD	BIODIVERSITY ASSET	Nature	
Progress Park	R 31571	13	BANDALONG WAY	LOCAL PARK	Recreation	B
Rangeview Park	R 36297	40	SWAN ROAD	NEIGHBOURHOOD PARK	Sport, Recreation	B
Robert Hewson Park	R 36478	29	MURRAY DRIVE	LOCAL PARK	Recreation	B
Scott Reserve	R 34946	30	NORLING ROAD	DISTRICT PARK	Sport, Recreation	B
Swan Road Reserve	R 33221	8A	SUTTON ROAD	LOCAL PARK	Recreation	D
Viv Robinson Park	R 42697	64	WITTENOOM ROAD	LOCAL PARK	Recreation	C

W R r d r d R d

LESMURDIE

POS Reserve Name	Reserve No.	Property No.	Property Street	Classification	Function	Rating
Anthony Heslop Reserve	R 27730	15	ANTHONY STREET	BIODIVERSITY ASSET	Nature	
Anthony Street Reserve	R 31692	44	ANTHONY STREET	NO CLASSIFICATION	No Function	D
Barbigal Place Reserve 1	R 34791	129	ORANGE VALLEY ROAD	BIODIVERSITY ASSET	Nature	
Barbigal Place Reserve 2	R 33754	30	BARBIGAL PLACE	BIODIVERSITY ASSET	Nature	
Basildon Reserve	R 24948	41	BASILDON ROAD	BIODIVERSITY ASSET	Nature	
Bill Shaw Reserve	R 32507	302	CANNING ROAD	NEIGHBOURHOOD PARK	Recreation, Nature	A
Elmwood Crescent Reserve	R 30693	17	ELMWOOD CRESCENT	BIODIVERSITY ASSET	Nature	
Falls Road Reserve	R 29998	3	FALLS ROAD	BIODIVERSITY ASSET	Nature	
Flora Terrace Reserve	R 29757	29	FLORA TERRACE	NEIGHBOURHOOD PARK	Recreation, Nature	B
Ford Road Reserve	R 32119	61	FORD ROAD	BIODIVERSITY ASSET	Nature	
Fred Eversden Reserve	R 23383	22	FALLS ROAD	NEIGHBOURHOOD PARK	Nature, Recreation	
Gladys Road Reserve 2	R 34454	21	GLADYS ROAD	BIODIVERSITY ASSET	Nature	
Gladys Road Reserve	R 27817	91	GLADYS ROAD	BIODIVERSITY ASSET	Nature	
Glen Road POS	R 29384	27	GLEN ROAD	LOCAL PARK	Recreation	C
Godwin Street Reserve	R 28212	5	GRANBY STREET	BIODIVERSITY ASSET	Nature	
Goodall Street Reserve	R 33646	20	GOODALL STREET	BIODIVERSITY ASSET	Nature	
Hugh Sanderson Reserve	R 34183	54	CHISLEHURST ROAD	BIODIVERSITY ASSET	Nature	
Joyce Street Reserve 1	R 27465	26	JOYCE STREET	BIODIVERSITY ASSET	Nature	
Joyce Street Reserve 2	R 34809	52	JOYCE STREET	BIODIVERSITY ASSET	Nature	
Kershaw Avenue Reserve	R 26754	Lot 597	KERSHAW AVENUE	BIODIVERSITY ASSET	Nature	
Lawley Road Reserve	R 31581	21	LAWLEY ROAD	BIODIVERSITY ASSET	Nature	
Lesmurdie Road Reserve	R 32300	391	LESMURDIE ROAD	NO CLASSIFICATION	No Function	D
Mario Court POS	R 41036	5	MARIO COURT	LOCAL PARK	Recreation	D
Mary Drive Reserve	R 26557	13	MARY DRIVE	BIODIVERSITY ASSET	Nature	
Mick Conti Park	R 35468	406	LESMURDIE ROAD	LOCAL PARK	Recreation	B
Nangkita Way Reserve 2*	R 30693	13	NANGKITA ROAD	LOCAL PARK	Recreation, Nature	C
Neil Tonkin Park/Falls Farm Reserve	R 38569	229	LESMURDIE ROAD	NEIGHBOURHOOD PARK	Recreation, Nature	C
Nelson Crescent Reserve 2	R 28305	64	NELSON CRESCENT	BIODIVERSITY ASSET	Nature	
Nelson Crescent Reserve	R 32713	41	NELSON CRESCENT	BIODIVERSITY ASSET	Nature	
Northolt Street Reserve	R 29873	Lot 551	NORTHOLT STREET	BIODIVERSITY ASSET	Nature	
Orange Valley Road Reserve 2	R 26143	103A	ORANGE VALLEY ROAD	BIODIVERSITY ASSET	Nature	
Pagotto Park	R 26531	80	TRAFALGAR ROAD	LOCAL PARK	Recreation, Nature	C
Peter Thiel Reserve	R 34666	39	KATHLEEN ROAD	LOCAL PARK	Recreation	C
Ray Owen Reserve	R 26127	96	GLADYS ROAD	REGIONAL PARK	Sport, Recreation, Nature	B
Ryan Way Reserve	R 29947	10	RYAN WAY	BIODIVERSITY ASSET	Nature	
Sanderson Road Reserve/Pax Hill	R 29190	4	VARLEY STREET	NO CLASSIFICATION	No Function	D
Seaton Park	R 33760	21	FLETCHER ROAD	NEIGHBOURHOOD PARK	Recreation	B
Silverdale Road Reserve	R 25189	15	SILVERDALE ROAD	BIODIVERSITY ASSET	Nature	
Stirkwood Estate Reserve	R 50011	Lot 4000	KEANE STREET	BIODIVERSITY ASSET	Nature	
Stone Road Reserve	R 37395	5	STONE ROAD	BIODIVERSITY ASSET	Nature	
Tindale Road Reserve	R 33757	13	TINDALE ROAD	BIODIVERSITY ASSET	Nature	
Trafalgar Road Reserve	R 27570	32	TRAFALGAR ROAD	BIODIVERSITY ASSET	Nature	
Trott Road Reserve	R 34076	14	TROTT ROAD	BIODIVERSITY ASSET	Nature	
Turner Park	R 28624	4	TURNER GROVE	BIODIVERSITY ASSET	Nature, Recreation	
Vernallan Way Reserve	R 29107	7	KARRALIKA AVENUE	BIODIVERSITY ASSET	Nature	
Victory Place Reserve	R 30186	16	VICTORY PLACE	BIODIVERSITY ASSET	Nature	
Willoughby Reserve	R 29873	39	SANDERSON ROAD	BIODIVERSITY ASSET	Nature	

MAIDA VALE

POS Reserve Name	Reserve No.	Property No.	Property Street	Classification	Function	Rating
Berry Drive Reserve	R 32230	30	BERRY DRIVE	LOCAL PARK	Recreation, Nature	C
Booralie Way Reserve	R 32613	57	BOORALIE WAY	NEIGHBOURHOOD PARK	Recreation, Nature	B
Bugendore Street Reserve	R 38541	35	BUGENDORE STREET	BIODIVERSITY ASSET	Nature	
Casuarina Road Reserve	R 38489	32	CASUARINA ROAD	BIODIVERSITY ASSET	Nature	
Crumpet Creek Reserve 2	R 37650	265	SULTANA ROAD EAST	BIODIVERSITY ASSET	Nature	
Davies Park	R 28852	11	GORDON STREET	LOCAL PARK	Recreation	B
Hawtin Road Reserve 1	R 27792	21	HAWTIN ROAD	BIODIVERSITY ASSET	Nature	
Kalamunda Road Reserve	R 41480	365	KALAMUNDA ROAD	LOCAL PARK	Recreation, Nature	C
Maida Vale Recreation Reserve	R 14088	20	RIDGE HILL ROAD	REGIONAL PARK	Sport, Recreation, Nature	B
Meloway Drive Reserve	R 32108	52	MELOWAY DRIVE	LOCAL PARK	Recreation, Nature	C
Millson Reserve	R 31954	14A	HEWSON PLACE	BIODIVERSITY ASSET	Nature	
Nestle Brae Creek Reserve	R 35209	8	GUMNUT CLOSE	LOCAL PARK	Recreation, Nature	D
Norwood Reserve	R 22502	87	HAWTIN ROAD	BIODIVERSITY ASSET	Nature	
Poison Gully Creek Reserve	R 45989	9	TREE FERN GREEN	BIODIVERSITY ASSET	Nature	
Poison Gully Pinker Crescent	R 48084	19	MAIDA VALE ROAD	LOCAL PARK	Recreation, Nature	B
Saddleback Circle Reserve	R 38271	30	SADDLEBACK CIRCLE	NEIGHBOURHOOD PARK	Recreation	C
Scenic Drive Reserve	R 33433	22	SCENIC DRIVE	BIODIVERSITY ASSET	Nature	

WALLISTON-RURAL EAST

POS Reserve Name	Reserve No.	Property No.	Property Street	Property Suburb	Classification	Function	Score	Rating
Anne Avenue Reserve	R 25424		6 ANNE AVENUE	WALLISTON	NO CLASSIFICATION	No Function	1.59	D
Banksia Road Reserve	R 34393		41 BANKSIA ROAD	WALLISTON	BIODIVERSITY ASSET	Nature		
Broadway Road Reserve	R 30898		24 SECOND AVENUE	BICKLEY	BIODIVERSITY ASSET	Nature		
Carmel Reserve	R 17358		29 UNION ROAD	CARMEL	BIODIVERSITY ASSET	Nature		
Currawong Reserve	R 28858		45 LESMURDIE ROAD EAST	WALLISTON	BIODIVERSITY ASSET	Nature		
First Avenue Reserve	R 39948		23 LAWNBROOK ROAD EAST	BICKLEY	BIODIVERSITY ASSET	Nature		
George Spriggs Reserve	R 52678		35 WESTON ROAD	PICKERING BROOK	DISTRICT PARK	Sport, Recreation, Nature	3.41	B
Laurence Road Reserve	R 34394		15 LESMURDIE ROAD EAST	WALLISTON	BIODIVERSITY ASSET	Nature		
Lawnbrook Road Reserve	R 17574		11 LAWNBROOK ROAD EAST	BICKLEY	LOCAL PARK	Recreation, Nature	2.18	C
Marko Travicich Reserve	R 15470	121	CARMEL ROAD	CARMEL	BIODIVERSITY ASSET	Nature		
Norma Street POS	R 31828		17 NORMA STREET	WALLISTON	NO CLASSIFICATION	No Function	1.71	D
Norma Street Reserve	R 25425		6 NORMA STREET	WALLISTON	LOCAL PARK	Recreation, Nature	2.18	C
Pickering Brook Golf Course	R 52678		10 PICKERING BROOK ROAD	PICKERING BROOK	BIODIVERSITY ASSET	Nature, Sport		
Raymond Road POS	R 28859		9 RAYMOND ROAD	WALLISTON	BIODIVERSITY ASSET	Nature		
Second Avenue Reserve	R 17573	Lot 52	NAIRN ROAD	BICKLEY	BIODIVERSITY ASSET	Nature		

WATTLE GROVE

POS Reserve Name	Reserve No.	Property No.	Property Street	Classification	Function	Score	Rating
Fennell Crescent POS	R 46170	82	FENNELL CRESCENT	LOCAL PARK	Recreation	2.76	C
Gavour Road Reserve	R 40273	21	CRYSTAL PLACE	BIODIVERSITY ASSET	Nature		
Gillings Parade POS	R 47767	50	GILLINGS PARADE	NEIGHBOURHOOD PARK	Recreation, Nature	3	B
Grass Tree Reserve	R 50985	Lot 501	MAAMBA ROAD	BIODIVERSITY ASSET	Nature		
Hardey East Road Reserve	R 49263	Lot 128	HARDEY EAST ROAD	LOCAL PARK	Recreation, Nature	2	C
Hartfield Road Creekline Reserve	R 35017	176	HARTFIELD ROAD	BIODIVERSITY ASSET	Nature		
Kalari Drive POS	R 48696	15	KALARI DRIVE	LOCAL PARK	Recreation, Nature	3.47	B
Lewis Road Reserve	R 28344	2	LEWIS ROAD	BIODIVERSITY ASSET	Nature		
Maamba Road POS	R 52403	Lot 827	MAAMBA ROAD	LOCAL PARK	Recreation	2.53	C
Olivine Gardens Reserve	R 50721	6	OLIVINE GARDENS	NO CLASSIFICATION	No Function	1.18	D
Sheffield Estate	R 47723	30	FREEDUFF DRIVE	LOCAL PARK	Recreation	3	B
The Promenade POS	R 48404	40	THE PROMENADE	NEIGHBOURHOOD PARK	Recreation, Nature	3.53	B
Willow Lake Estate	R 47590	45	MAGMA ROAD	LOCAL PARK	Recreation	2.76	C
Woodlupine Creek Undeveloped Reserve	R 49965	2	CHERVIL BEND	NO CLASSIFICATION	No Function	1.35	D
Yule Brook Estate	R 47406	31	REGENCY RAMBLE	LOCAL PARK	Recreation	3	B

APPENDIX 11: ASSESSMENT MATRIX

Description	1	2	3	4	5
Location					
Accessibility	Site is on opposite side of a major barrier (major road, rail, water feature etc.) No footpath.	Site maybe on opposite side of a major barrier. Access by car is difficult as there is one road access which is difficult to traverse (may involve many turns, bends and cul-de-sacs). Minimal footpath provision.	Access is reasonable, however pedestrians must either cross a busy road or take a long route to access the site. Minimal footpath provision. There is a need for cars to take a circuitous route or cross a busy road to get there.	Access to the site is good. No major barriers or hazards. Footpath provision connects to the site, however does not traverse through the POS. There are multiple routes for cars to access the site.	Access to the site is excellent without the need to cross or face significant hazards. There are multiple footpath connections and the footpath traverses across the POS. Footpath connections are safe. There are multiple routes for cars to access the site.
Public Transport	There is no public transport within reasonable walking distance of the site (400m).	There is one transit route, however either it is very irregular or is between 200-400m from the site.	There is one regular transit route within close proximity of the site (within 200m), or there are multiple transit routes that are either very irregular or between 200-400m from the site.	There are two regular transit routes within close proximity to the site (within 200m).	There are at least three regular transit routes within close proximity to the site.
Personal safety, lighting, visibility and security	Obstructed lines of sight, no overlooking residential properties and low usage / passing pedestrians. Site and access routes feel unsafe at all times. No lighting.	Informal overlooking residential properties. No lighting. Site and access routes feel unsafe at all times.	Informal overlooking residential properties and low apparent usage. Site and access routes feel safe in daylight but inadequate lighting for use in the evenings/night time.	Mixed levels of overlooking properties. There may be street lighting which lights up the periphery of the site or lighting that only covers small areas of the site. Floodlights only utilised for sporting events.	Good level of overlooking, unobstructed views and high frequency of pedestrian movement. Site and access routes feel safe at all times and have good signposted entrance and exit routes which are well lit when accessible by the public. Site is located away from extremely busy roads.
Disability Access	Disabled access is poor with uneven surfaces. Inaccessible entry points and limited or no provision for disability use or parking. No accessible feature such as picnic table.	There are pathways provided, however they are not well maintained. Pathways don't lead to any features of interest.	Disabled access is reasonable with sealed surfaces throughout the POS. Accessible entry points provided with limited disability provision or parking.	Most of the site can be accessed by all members of the public. ACROD parking may not be provided.	Fully accessible by members of the public with limited mobility and all ancillary facilities cater for a variety of abilities including ACROD parking.
Site Design	There are no site features (including changing facilities, equipment, natural features and landscaping).	Features (including changing facilities, equipment, natural features and landscaping) are at basic level only and add little to the value of the open space for its intended function.	Features (including changing facilities, equipment, natural features and landscaping) are more than a basic level and add reasonable value to the open space for its intended function.	Features (including changing facilities, equipment, natural features and landscaping) are more than a basic level and add significant value to the open space for its intended function.	Features (including changing facilities, equipment, natural features and landscaping) are of a high standard and add significantly to the value of the open space for its intended function.

Open Space Usage Value					
Toilets/Changing Facilities	No accessible toilets and/or changing rooms.	Toilet and/or changing rooms poorly maintained and/or not accessible by the general public. Toilets and/or changing rooms may be located offsite.	Toilets and / or changing rooms available and adequately maintained, but may have time limited access or are locked (by a club / association) for large periods of time or poorly located.	Fully accessible, well maintained toilets and / or changing rooms available for the public whilst at the site. Does not have changing facilities for all ages including disability provision and/or does not have sufficient amount of toilets provided for the user group.	Fully accessible, well maintained toilets and / or changing rooms available for the public whilst at the site. Changing facilities for all ages including disability provision. Sufficient amount of toilets provided for the user group.
Car Parking (on or off site)	No available car parking (other than on street or side roads).	Limited car parking offsite.	Limited car parking on site or sufficient car parking offsite.	Moderate levels of car parking on site.	Extensive car parking which caters for multiple team sports or events.
Numbers of different uses catered for (see glossary for different uses)	No uses catered for	Local or Neighbourhood Park: 1 District or Regional Park: 1-2	Local or Neighbourhood Park: 2-3 District or Regional Park: 3-4	Local or Neighbourhood Park: 4-5 District or Regional Park: 5-6	Local or Neighbourhood Park: 6+ District or Regional Park: 7+
Seating and Picnic Areas	No seating for adults. No picnic areas	Limited seating. No picnic areas.	Limited seating or seating is not well sited. Picnic areas provided but in poor condition/ limited for park area.	Good level of seating. Picnic areas provided. Natural and Shade Structures provided.	Good level of seating dispersed throughout the site area for observing play, sport and general relaxation. Adults can sit and observe children playing. Natural and structural shade provided. Picnic areas provided for a large number /family groups with shade, good accessibility and well maintained.
Dog Free Areas	Evidence of dog fouling.	There is no signage stating whether dogs are permitted, there is no evidence of fouling.	There is no signage on whether dogs are permitted. Bins provided with bags for picking up dog fouling.	Management of dog fouling in place through bins and bags for picking up dog fouling, clarification of dog free areas and leash areas through signage. No evidence of fouling.	Signs discouraging owners from bringing dogs to the site, no evidence of fouling.
Care and Maintenance					
Well Maintained	Extensive litter or hazardous debris, planting in poor condition, unacceptable graffiti present. Infrequently mown/overgrown lawn and weedy areas present.	Infrequently mown/overgrown lawn and weedy areas present. Some litter and evidence of graffiti	Some litter and evidence of graffiti which has been regularly cleaned /addressed as part of the day to day management of the site. Mown areas and weed free garden beds.	No evidence of litter or hazardous items, planting and pitch provision is regularly maintained for all levels of use. No unacceptable graffiti. Regular mowing of most lawn areas. Limited weeds.	No evidence of litter or hazardous items, well drained where appropriate, planting and pitch provision is regularly maintained for all levels of use. No unacceptable graffiti. Regular mowing of all lawn areas, weed free, mulched garden beds with adequate, suitable planting and irrigation.
Aesthetic Value	Site looks uninviting and unappealing.	Site looks uninviting and unappealing. There is some vegetation which provides some screening of the unappealing site.	Site has some attractive areas which are appealing for visitors, however some areas of the site are also unappealing.	Most areas of the site are appealing. Those sites that are unappealing may not be easily visible or have limited use.	The site is very appealing; the scenery is of high value and adds to the appeal and social expectation of the surrounding area.
Reticulation Present	No reticulation evident.	Very limited reticulation. A creek or drainage feature may provide some natural reticulation.	Limited reticulation related mainly to playing surfaces.	Reticulation through most of the park.	Reticulation throughout the park area evenly distributed.

Litter Bins	No litter bins.	Bins in poor condition.	Limited bins, not full (regularly emptied) and in adequate condition.	Moderate allocation of bins that are in good condition.	Bins in good condition located throughout the park area with appropriate signage.
Environmental Value					
Vegetation Quantity	No vegetation.	Very minimal vegetation. Bushland shape has exposed perimeter - long and thin.	There is some vegetation, however it is either sparsely distributed throughout the site, or the vegetation present is non-native. Maybe some significant amounts of vegetation, however the vegetation is young and not well established. Bushland shape is small rectangular / circular.	Significant amounts of vegetation. Most of the vegetation is native. Bushland shape is large and rectangular / circular.	Significant amounts of vegetation. Vegetation is native and in good health. Vegetation is mature with evidence of self-perpetuation. Bushland shape is large and rectangular / circular.
Ecological Community / Vegetation Quality	Ecological community is non-existing. There is no vegetation to support an ecological community.	Ecological community is small. Evidence of wildlife is limited (only invertebrates). There are weeds present. No adequate drainage. Erosion or site degradation present.	Ecological community is small. Evidence of wildlife is limited (only invertebrates and small reptiles). There are weeds present and some adequate drainage. The vegetation is young and not well established. Limited vegetation species diversity.	Supports a native ecological community. Evidence of native animals present at the site or utilising the site (birds, invertebrates and reptiles). Well maintained. Some of the vegetation may be immature. There may be a limit in vegetation species diversity.	Supports a large healthy native ecological community. Evidence for a broad range of native animals present at the site or utilising the site (mammals, birds, reptiles, invertebrates). Well maintained. No sign of invasive/pest species affecting the ecosystem. A healthy wetland or creek present. No weed species evident. Vegetation is mature with evidence of self-perpetuation. There is a diversity of species.
Streetscapes	No trees. Verge not wide enough or not suitable with the surrounding infrastructure.	Verge may be sized well, yet does not support any trees for shade.	Some trees, poorly maintained and/or not suitable species, sparsely located to provide adequate shade.	Appropriate species of tree and/or well maintained. Shade provided is good in some locations, however could be improved in other areas.	Significant amounts of shade provided by trees and ample amount of verge space which allows for ecological linkages, understory evident and well-maintained for sightlines, BPZ and free of weeds. Culturally appealing, compatible with infrastructure.

APPENDIX 12: POS POTENTIAL TRANSFER AND IMPROVEMENT SITES

High Priority: 1-5 years

Medium Priority: 3-8 years

Low Priority: 6+ years (Review periodically)

Reserve	Reserve No.	Rating	Description	Action	Priority
Forrestfield – 62.77ha @ 11.12%					
Accumulative Potential Transfer = 9.87ha. Reduces Forrestfield POS to 57.84ha and 10.25%					
Almond Way POS	R 34237	D	Local Park which is an island that Almond Way surrounds. Low quality and function.	<p>Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.</p> <p>Potential Transfer. If deemed more appropriate swap action with Anderson Road Park. Transfer of either park to fund the improvement of the other. 0.21ha. Reduces Forrestfield POS to 62.54ha and 11.08%. Requires community consultation.</p>	Medium
Anderson Road Park	R 36350	C	Local Park of low quality. Located 80m from Almond Way POS.	<p>Potential Transfer. If deemed more appropriate swap action with Almond Way POS. Transfer of either park to fund the improvement of the other. 0.21ha. Reduces Forrestfield POS to 62.54ha and 11.08%. Requires community consultation.</p> <p>Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.</p>	Medium
Berberis Way Reserve	R 34858	C	Small reserve serves as access way between two cul-de-sacs.	No Action required.	Review Periodically
Berkshire Road Reserve	R 47926	D	Vacant cleared land with no infrastructure or vegetation. No quality or function. Neighbours commercial lot.	Potential Transfer. 0.2ha. Reduces Forrestfield POS to 62.55ha and 11.09%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Blackbutt Way Reserve	R 35230	C	Local Park which is an island surrounded by Blackbutt Way. Low quality and function.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Medium
Cambridge Road Reserve	R 27559	D	Large reserve with drainage and dispersed natural vegetation. Identified as potential location for aged person development. Refer to Cambridge Road Recreational Reserve Report prepared by The Planning Group 2012. Concept plans identified up to 4ha to be developed with remainder to be retained POS. Hester Land	<p>Potential Transfer. 8.94ha. Noting that transfer would likely not exceed 4ha. Transfer of up to 4ha Reduces Forrestfield POS to 58.77 and 10.42%. Requires community consultation.</p> <p>Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation</p>	High

			Assessment Report 2011 recommends partial transfer with partial area retained for POS.	Items in Section 4.5. Review periodically. It is noted that work has already begun on this project.	
Connaught Street Reserve	R 28447	C	Local Park of reasonable quality and function. Eastern portion of reserve on the east side of Cowra Street was identified in the Hester Land Assessment Report 2011 for transfer with funds being re-invested into more strategic recreation reserves in the district. Important strategic location due to size of the reserve providing potential for multiple uses.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically. Potential Transfer (East Portion). 0.18ha. Reduced Forrestfield POS to 62.59ha and 11.09%. Requires community consultation.	High
Dawson Park	R 35618	C	District Park with sporting oval and areas of natural vegetation. Reasonable quality and function.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	High
Fagin Way Reserve	R 36344	C	Small reserve serves as access way between Fagin Way and Jubilee Road.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Low
Gala Way POS	R 48079	C	Local Park of reasonable quality.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Gotha Way POS	R 33000	D	Local Park which is an island that Gotha Way surrounds. Located 150m from Hartfield Park and Connaught Street Reserve.	Potential Transfer. 0.36ha. Reduces Forrestfield POS to 62.41ha and 11.06%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Hale Road Easement	R 34857	D	Long reserve which provides a connection through Forrestfield north-south. Transmission corridor runs along it.	Improve. As funding and resources allow, project specific brief required. Prioritise pedestrian/cycling access and beautification. Review periodically.	High
Lincoln Road Reserve	R 32494	B	Large local park of reasonable quality and functionality. Important strategic location due to proximity to Activity Centre and size of the reserve providing potential for multiple uses.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	High
Magnolia Way Reserve	R 34115	C	Local Park of reasonable quality. Next to Forrestfield District Centre. Hester Land Assessment Report 2011 recommends transfer with funds being re-invested into more strategic recreation reserves in the district.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Consider key linkages with Forrestfield District Activity Centre and Woodlupine Brook Reserve. Review periodically.	High
Orchard Park Estate 1	R 46496	C	Local Park of reasonable quality.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically

Orchard Park Estate 2	R 47765	C	Local Park of reasonable quality.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Orchard Park Estate 3	R 47680	C	Local Park of reasonable quality.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Pioneer Park	R 41156	D	Regional Park fenced off with very limited use. Previously a multi-purpose sports facility. Contaminated site that required remediation to be functioning reserve. Hester Land Assessment Report 2011 recommends long term opportunity requiring detailed structure planning process to be undertaken.	Investigate costs of remediation and most suitable course of action.	High
Sultana Road East POS	R 48778	C	Local Park of reasonable quality. Hester Land Assessment Report 2011 recommends rationalisation of reserve.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Sussex Road Reserve	R 31690	D	Small reserve of low quality and function. Natural vegetation present. Identified in Hester Land Assessment Report 2011 for transfer with funds being re-invested into more strategic recreation reserves in the district.	Potential Transfer. 0.16ha. Reduces Forrestfield POS to 62.16ha and 11.02%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Tillia Court Reserve	R 42611	C	Local Park of reasonable quality. Hester Land Assessment Report 2011 recommends that further investigation required to identify ability to transfer of site.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Gooseberry Hill – 8.36ha @ 2.36%					
No transfers proposed					
Currawong Drive Reserve	R 33236	D	Large reserve of low quality and function. Large amounts of vegetation and poorly maintained.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Low
Currawong POS	R 33235	C	Local Park of reasonable quality. Difficult to access/know it exists.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Low
Huntley Street Reserve South	R 29403	D	Vacant land with existing vegetation. Wedged between residential lots and restricted access due to its location. Very little scope for any possible action.	No Action possible. Review periodically.	Review Periodically
High Wycombe – 41.40ha @ 8.68%					
Accumulative Potential Transfer = 1.35ha. Reduces High Wycombe POS to 39.89ha and 8.36% *Note that Forrestfield North likely to increase High Wycombe POS percentage above 10%					
Abernethy Road Reserve		C	Large reserve at Abernethy Road/Kalamunda Road intersection. Limited function and hard to access for pedestrian. Could potentially be used for road widening/upgrades in the future.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically

Acton Link Reserve	R 51238	C	Local Park with of reasonable quality and limited function.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Adelaide Street Reserve		D	Vacant cleared land with no infrastructure or vegetation. Used for drainage. 250m from Larwood Crescent POS.	Improve. As funding and resources allow, project specific brief required. Prioritise drainage improvements and beautification. Review periodically.	Low
Agraulia Court Park	R 50010	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Bandalong Way Reserve	R 30540	D	Vacant land with existing natural vegetation. Limited quality and function. 280m from Rangeview Park. Hester Land Assessment Report 2011 recommends transfer.	Potential Transfer. 0.18ha. Reduces High Wycombe POS to 41.22ha and 8.63%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Citrus Grove Reserve	R 28491	D	Vacant land with existing vegetation. Wedged between residential lots and restricted access due to its location. Hester Land Assessment Report 2011 recommends transfer.	Potential Transfer. 0.16ha. Reduces High Wycombe POS to 41.24ha and 8.64%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Cyril Road Reserve	R 33977	C	Large Local Park of low quality and function. Located near Peter Annus Park, Progress Reserve and Rangeview Park which provide greater function and quality. Given existing natural vegetation Cyril Road Reserve can serve more of an aesthetic function. Hester Land Assessment Report 2011 recommends reserve be retained.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Medium
Ellis Court POS	R 40352	D	Vacant land with existing natural vegetation. Limited quality and function. Access via Ellis Court cul-de-sac. Buffer from Roe High Way. Limited scope for any possible action. Hester Land Assessment Report 2011 recommends transfer.	Potential Transfer. 0.37ha. Reduces High Wycombe POS to 41.03ha and 8.60%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Emms Reserve	R 27815	C	Local Park of reasonable quality and function. Hester Land Assessment Report 2011 recommends transfer.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Low
Gladys Newton Park	R 47320	C	Neighbourhood Park of limited quality and function. Neighbouring lots likely to become Aged Persons Accommodation.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Medium
John McLarty Park	R 41731	C	Local Park of reasonable quality and function.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Medium
Larwood Crescent POS	R 48863	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically

Peter Annus Park	R 36287	C	Local Park of low quality and limited function. Across the road from Rangeview Park	Potential Transfer. 0.35ha. Reduces High Wycombe POS to 41.05ha and 8.60%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Peter Hegney Park	R 40529	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Rangeview Park	R 36297	B	Large local park of reasonable quality and functionality. Important strategic location due to size of the reserve providing potential for multiple uses.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	High
Pine Tree Reserve	R 42607	C	Local Park of reasonable quality and function. Island surrounded by O'Connell Way.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Low
Swan Road Reserve	R 33221	D	Vacant land with existing natural vegetation. Wedged between residential lots and restricted access due to its location. Very little scope for any possible action. Hester Land Assessment Report 2011 recommends transfer, however will require the acquisition of an adjacent lot to be able to provide access.	Potential Transfer. 0.35ha. Reduces High Wycombe POS to 41.05ha and 8.60%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Viv Robinson Park	R 42697	C	Local Park of reasonable quality and function. Provides pedestrian access from Joudah Court, Damper Place and Wittenoom Road.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Kalamunda – 36.07ha @ 5.80%					
Accumulative Potential Transfer = 0.58ha. Reduces Kalamunda POS to 35.49ha and 5.71%					
Beenup Place Reserve	R 39684	D	Local Park of limited functionality. Some native vegetation on the reserve.	Potential Transfer. 0.14ha. Reduces Kalamunda POS to 35.93ha and 5.78%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Broula Road Reserve	R 28175	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Gunbar Way Reserve	R 28896	D	Vacant land with existing natural vegetation. Neighbouring property using for parking. Limited scope for transfer or improvement. Hester Land Assessment Report 2011 recommends transfer.	Potential Transfer. 0.12ha. Reduces Kalamunda POS to 35.95 and 5.78%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Herald Close Reserve	R 31448	D	Vacant land with existing natural vegetation. At the end of Herald Close cul-de-sac. Limited scope for improvement. Hester Land Assessment Report 2011 recommends transfer.	Potential Transfer. 0.08ha. Reduces Kalamunda POS to 35.99ha and 5.79%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1

J.Miller Park	R 37394	D	Vacant land with existing natural vegetation. At the end of Manooka Way cul-de-sac. Hester Land Assessment Report 2011 recommends improvement.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Low
Lalor Place POS	R 36865	C	Local Park of low quality and function.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Medium
Nangkita Way Reserve 1	R 32277	C	Local Park of reasonable quality and low function. 150m away from Nangkita Way Reserve 2.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Nangkita Way Reserve 2	R 30693	C	Local Park of reasonable quality and function.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Low
Simeon Close Reserve	R 36352	D	Local Park of limited functionality. Some native vegetation on the reserve. Hester Land Assessment Report 2011 recommends transfer.	Potential Transfer. 0.24ha. Reduces Kalamunda POS to 35.83ha and 5.76%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Lesmurdie – 40.69ha @ 6.07%					
Accumulative Potential Transfer = 0.41ha. Reduces Lesmurdie POS to 40.18ha and 6.00%					
Anthony Street Reserve	R 31692	D	Vacant land. At the end of Anthony Street. Difficult to access/know it exists. Limited scope for improvement or transfer. Hester Land Assessment Report 2011 recommends transfer.	Potential Transfer. 0.20ha. Reduces Lesmurdie POS to 40.49ha and 6.04%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Glen Road POS	R 29384	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Lesmurdie Road Reserve	R 32300	D	Vacant land with existing natural vegetation. Low quality and no function.	Potential Transfer. 0.21ha. Reduces Lesmurdie POS to 40.48ha and 6.04%. Requires community consultation.	Transfer Schedule to be determined – Action 2.2.1
Mario Court POS	R 41036	D	Vacant land with existing natural vegetation. Wedged between residential lots and difficult to access/know it exists. Pedestrian access pathway links Mario Court to Rootes Road. Limited scope for improvement. No scope for transfer.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	High
Nangkita Way Reserve 2	R 30693	C	Local Park of reasonable quality and function.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Low

Neil Tonkin Park/Falls Farm Reserve	R 38569	C	Neighbourhood Park of reasonable quality and function.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Low
Pagotto Park	R 26531	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Peter Thiel Reserve	R 34666	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Sanderson Road Reserve/Pax Hill	R 29190	D	Vacant Land with existing natural vegetation. Neighbours existing bushland. Hester Land Assessment Report 2011 recommends portion be retained as POS and investigate potential for portion to be transferred.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Low
Maida Vale – 19.27ha @ 9.08%					
No Transfer Proposed *Note that Maida Vale South likely to increase Maida Vale POS percentage					
Berry Drive Reserve	R 32230	C	Local Park of reasonable quality and limited function. Neighbours Scenic Drive Reserve and is across the road from Meloway Drive Reserve.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Davies Park	R 28852	B	Large local park of reasonable quality and functionality. Important strategic location due to size of the reserve providing potential for multiple uses.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Medium
Kalamunda Road Reserve	R 41480	C	Local Park of reasonable quality and low function. Neighbours transmission corridor. Hester Land Assessment Report 2011 recommends reserve be retained.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Meloway Drive Reserve	R 32108	C	Local Park of reasonable quality and function. Hester Land Assessment Report 2011 recommends investigation into potential transfer.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Medium
Nestle Brae Creek Reserve	R 35209	D	Local Park of low quality and limited function. Wedged between residential lots, located at end of Gumnut Close cul-de-sac. Nestle Brae Creek runs through the reserve.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Medium
Saddleback Circle Reserve	R 38271	C	Neighbourhood Park of low quality and reasonable function. Hester Land Assessment Report 2011 recommends engagement with community to determine desired outcomes.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	High
Rural East-Walliston – 4.61ha @ 4.20%					

No Transfer Proposed					
Anne Avenue Reserve	R 25424	D	Vacant land with existing natural vegetation. Small lot with limited scope for improvement. transfer	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Lawnbrook Road Reserve	R 17574	C	Local Park of reasonable quality and function. Large amounts of natural vegetation.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Norma Street POS	R 31828	D	Vacant land with existing natural vegetation. 60m from Norma Street Reserve and 90m from Banksia Road Reserve. Limited scope for transfer or improvement.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Norma Street Reserve	R 25425	C	Local Park of low quality and limited function.	Improve. As funding and resources allow, project specific brief required. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	Medium
Wattle Grove – 29.48ha @ 17.43%					
No Transfer Proposed					
Fennell Crescent POS	R 46170	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Hardey East Road Reserve	R 49263	C	Local Park of low quality and function. Links with The Promenade POS.	Improve. To be developed in accordance with the Cell 9 Development Contributions Plan. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	In accordance with Cell 9 DCP
Maamba Road POS	R 52403	C	Local Park of reasonable quality and function. Across the road from Gillings Parade POS.	No Action required. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Olivine Gardens Reserve	R 50721	D	Vacant land with existing natural vegetation. Allocated drainage on the lot. Reserve neighbours Willow Lake Estate. Serves as buffer to Row Highway. Limited scope for transfer.	Improve. To be developed in accordance with the Cell 9 Development Contributions Plan. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	In accordance with Cell 9 DCP
Willow Lake Estate	R 47590	C	Local Park of reasonable quality and function. Hester Land Assessment Report 2011 recommends reserve to be retained.	No Action required. Link to Olivine Gardens Reserve. Ensure maintained to acceptable standard. Review periodically.	Review Periodically
Woodlupine Creek Undeveloped Reserve	R 49965	D	Vacant land with no existing vegetation or infrastructure. Still to be developed as part of Cell 9.	Improve. To be developed in accordance with the Cell 9 Development Contributions Plan. Refer to List of Priority Improvement and Implementation Items in Section 4.5. Review periodically.	In accordance with Cell 9 DCP

*All other reserves not mentioned above to be dealt with as part of the Community Facilities Plan, Parks Asset Management Plan and any relevant Master Plans. All reserves mentioned above to be considered in conjunction with the Community Facilities Plan, Parks Asset Management Plan and any relevant Master Plans. To be reviewed periodically.

APPENDIX 13: CONSULTATION PROTOCOL

The following consultation protocol will be undertaken in the process of POS transfer, POS Improvement and Acquisition of POS:

No.	Consultation Process	Method
1.	Set the scope for the consultation process	<ul style="list-style-type: none"> • Identify what is proposed. • Identify the location of the proposal. • Identify opportunities and constraints of the proposal. • Scope consultation as listed below.
2.	Identify the key stakeholders	<ul style="list-style-type: none"> • The Community. • Surrounding landowners. • Community groups/organisations and clubs that would be affected by the proposal. • Key state agencies.
3.	Inform stakeholders	<ul style="list-style-type: none"> • A sign is to be erected on site • A notice is to be placed in the local newspaper for two consecutive weeks. • Letters are to be sent to nearby landowners within a 200m radius of the site. • Letters to be sent to affected community groups/organisations and clubs. • Referred to Department of Planning, Lands and Heritage and other relevant servicing authorities. • A notice to be placed on the City's notice boards and the City's website. • <i>An information session at a local venue may be organised if deemed appropriate.</i>
4.	Provide an opportunity for information to be obtained, accessible and easily understood	<ul style="list-style-type: none"> • Advertisement to be for a minimum period of 30 days. • Information on the proposal to be available at the City's

No.	Consultation Process	Method
		administration and the City's website.
5.	Invite feedback	<ul style="list-style-type: none"> • Submissions can be made over the advertising period via email, letter and the City's website.
6.	Consider feedback before making a final decision	<ul style="list-style-type: none"> • Submissions to be reviewed and discussed. • Consultation Findings and Outcomes Report to be developed and made public.
7.	Communicate our decisions to stakeholders and the community	<ul style="list-style-type: none"> • Recommendation to be made to Council for decision. • Council to make decision. • Decision to be advertised via the following methods: <ul style="list-style-type: none"> ○ A notice to be placed in a local newspaper ○ A sign is to be erected on site ○ Letters are to be sent to nearby landowners within a 200m radius of the site. ○ Letters to be sent to affected community groups/organisations and clubs. ○ A notice to be placed on the City's notice boards and the City's website.
8.	Review our consultation to ensure we are effectively communicating with stakeholders	<ul style="list-style-type: none"> • Feedback of the consultation process available on the City's website and via email and letter. • Consultation protocol to be reviewed every two years and when the Strategy is reviewed.

APPENDIX 14: COMMUNITY ENGAGEMENT OUTCOMES REPORT

Public Open Space Strategy - Community Engagement Findings and Outcomes Report

Summary

PUBLIC OPEN SPACE STRATEGY

DEC 2017

COMMUNITY ENGAGEMENT FINDINGS & OUTCOMES

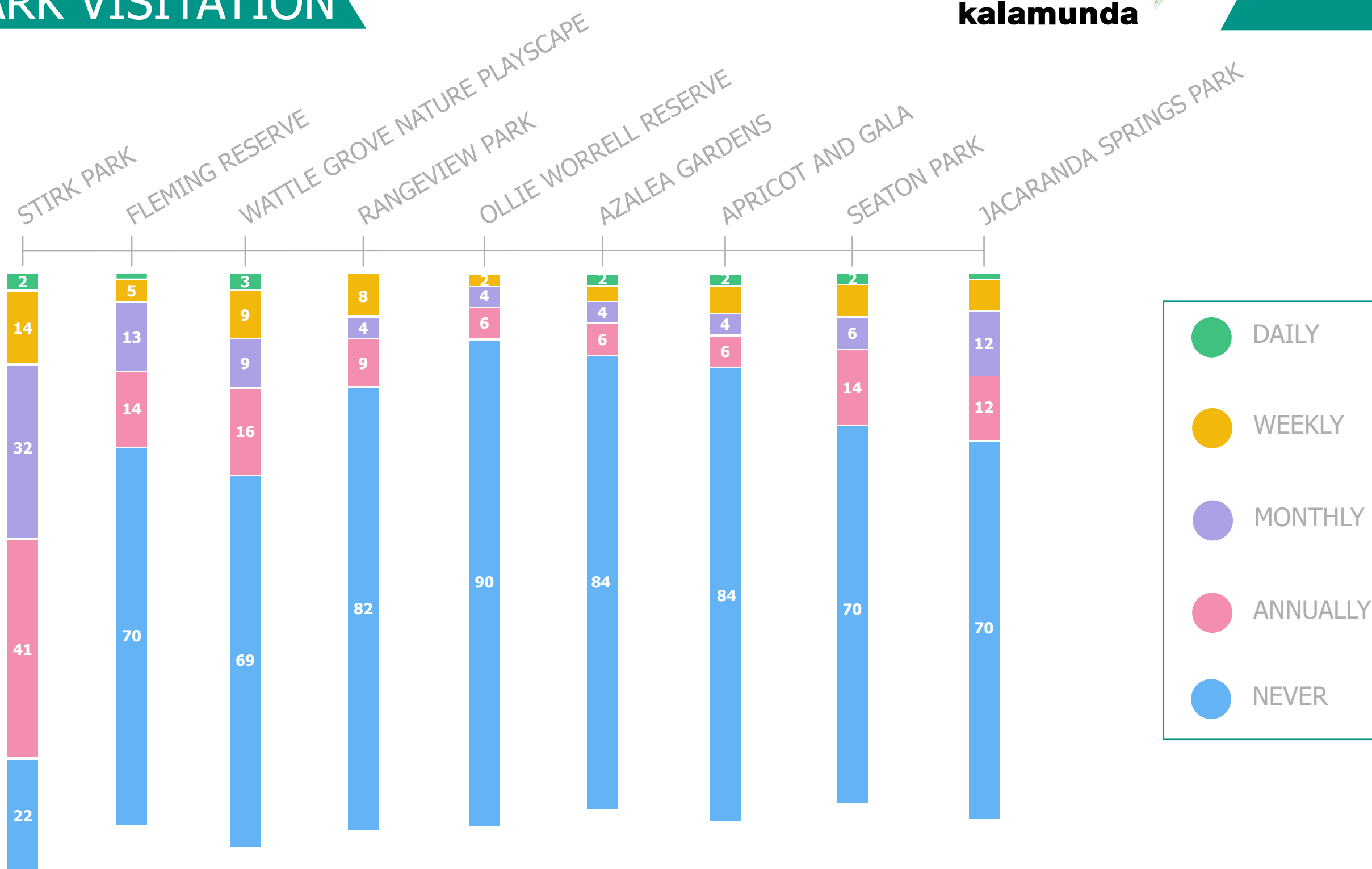
FEB 2018

Find out more at engage.kalamunda.wa.gov.au

PARK VISITATION



TOTAL
113
SURVEYS



TOP TEN LIKES

1. Nature/Trees/Shade/Wildlife
2. Aesthetics/Beautification/Atmosphere
3. Maintenance
4. Lifestyle
5. Dog Walking
6. Multiple Uses/Facilities
7. Playgrounds
8. Community Feel
9. Health/Fitness Benefits
10. Sport

IS THE QUANTITY ACCEPTABLE?

PUBLIC OPEN SPACES



70%



22%

SPORTS RESERVES



68.5%



13%

IS THE QUALITY ACCEPTABLE?

PUBLIC OPEN SPACES



39.4%



51.4%

SPORTS RESERVES

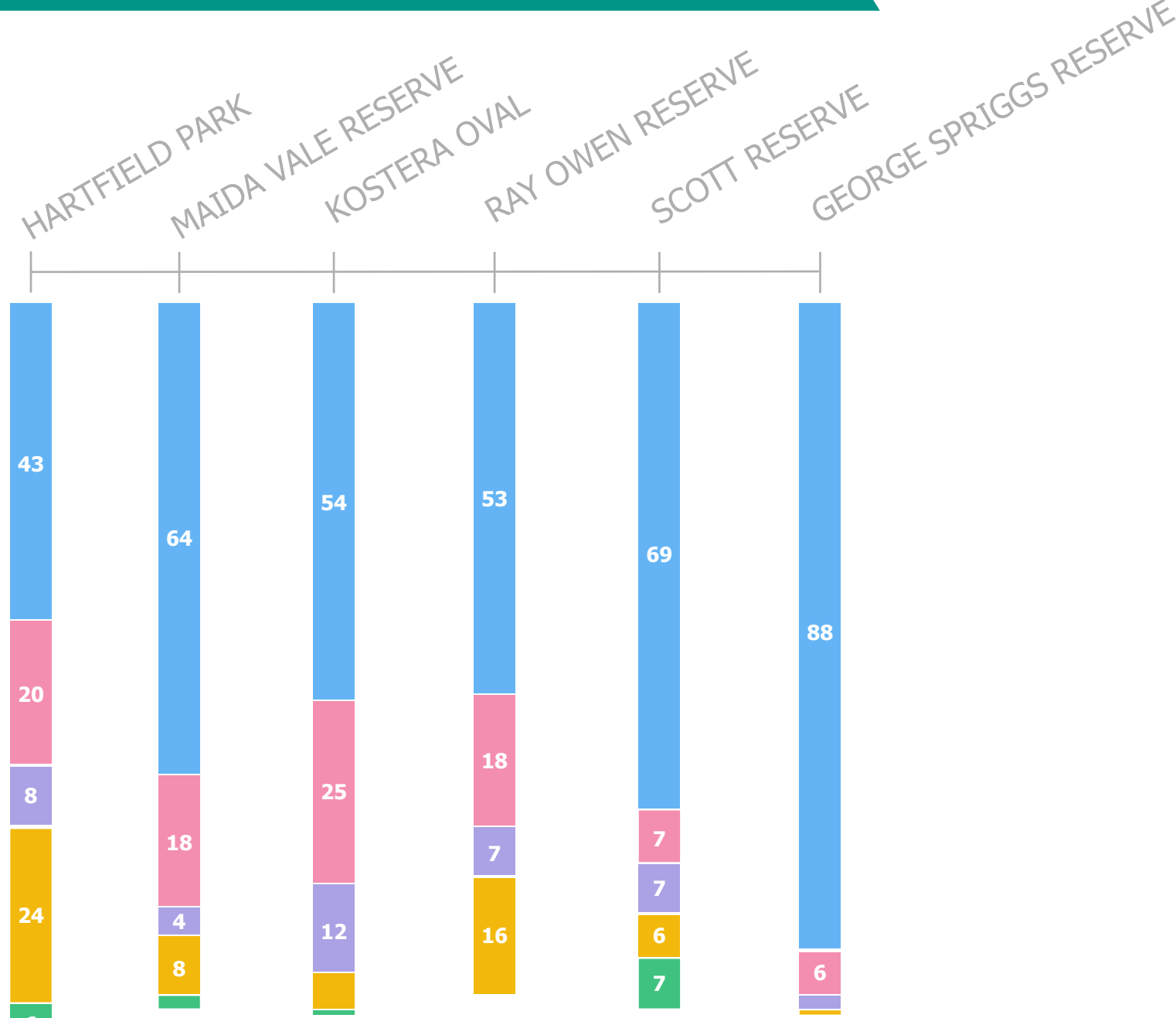


55.1%



21.5%

SPORTS RESERVE VISITATION



MOST WANTED IMPROVEMENTS

1. Playgrounds/Nature Playgrounds (Quantity and Quality)
2. Trees/Nature/Wildlife Habitat (Protection and Implementation)
3. Beautification
4. Maintenance
5. Seating (Quantity and Quality)
6. Shade
7. Sports Facilities (Quantity and Quality)
8. Amenities
9. Dog Parks/Fenced
10. Exercise Equipment
11. Basketball Courts/Soccer Goals for Smaller Parks
12. Walking/Running/Bike Tracks
13. BBQs
14. Footpaths (Quantity and Quality)
15. Improved Scott Reserve Facilities

- MANY RESERVES ARE UNDER UTILISED
- PROVIDES AN ADDITIONAL FUNDING MECHANISM
- COMMUNITY BENEFITS
- QUALITY OVER QUANTITY
- BETTER QUALITY OF POS ACHIEVED
- GREATER FACILITIES AND SPORTS RESERVES CAN BE ACHIEVED



TRANSFERS



37%

The Strategy recommends that public open space of low quality & functionality be potentially transferred to other uses to fund the improvement of existing public open space & acquisition of land for future public open space



63%

- TOO MUCH DEVELOPMENT IN THE CITY ALREADY
- BETTER MAINTENANCE OF RESERVES SHOULD BE THE FOCUS
- FUNDS SHOULD BE RAISED THROUGH ALTERNATIVE MECHANISMS
- BUSH/HABITAT LOSS AND WILDLIFE IMPACTS

COMMUNITY COMMENTS

Many respondents stated that POS forms important biodiversity and tree canopy linkages between regional reserves. These linkages should be enhanced. It was also noted that there is potential to enhance pedestrian and cycling linkages between POS and links of regional importance such as the Zig Zag, Bibbulmun Track and Railway Heritage Trail.

'We need one really well designed playground and park for our City. Preferably with a cafe attached to it. You could lease the cafe out to fund maintenance of the playground. Thinking bigger, you could create a facility which could be hired out for events / weddings / birthdays. It's not great having to travel 30 minutes to another city/shire to enjoy a great playground/park when our City has so much potential!'

'So many unused grassed areas that could be used as an enclosed dog park. The closest ones currently are Inglewood and Aveley.'

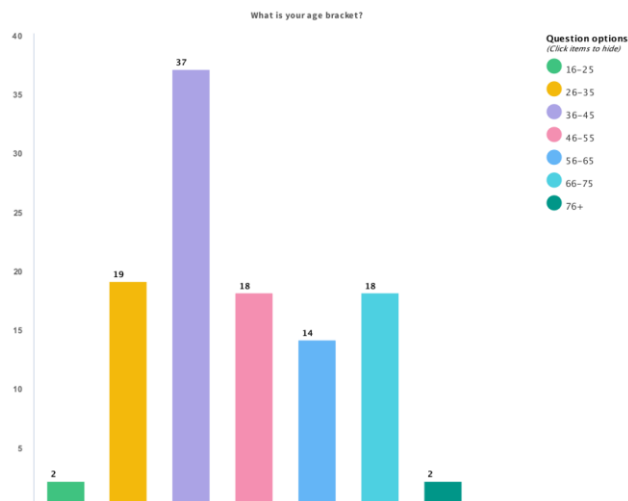
'Growth suburbs like Wattle Grove where there are large numbers of families with small children need to be approached in a manner that will provide natural spaces and landscapes for all to enjoy. We have beautiful surroundings and it would be nice to see a strategy to preserve these whilst facilitating growth and development in the suburb. I would also like to see this transferred to existing suburbs where the abundance of native flora can be preserved for all to enjoy and create a beautiful area.'

Surveys

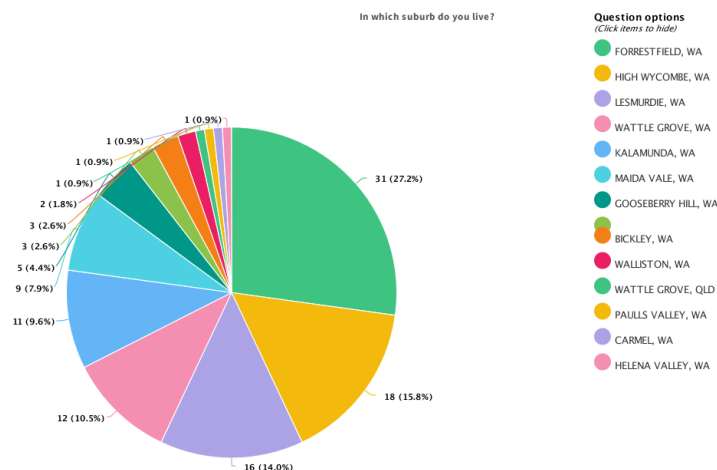
Overview

The City of Kalamunda (the City) Public Open Space Strategy (the Strategy) Survey was open from December 2017 to the end of February 2018. Over that time 113 surveys were completed. 70% of the responses were from females and 30% from males.

The 36-45 age bracket (parents with children) provided the highest amount of responses, with age brackets of 26-35, 46-55, 56-65 and 66-75 having similar participation rates. The 16-25 and 76+ age brackets had low numbers of participation.



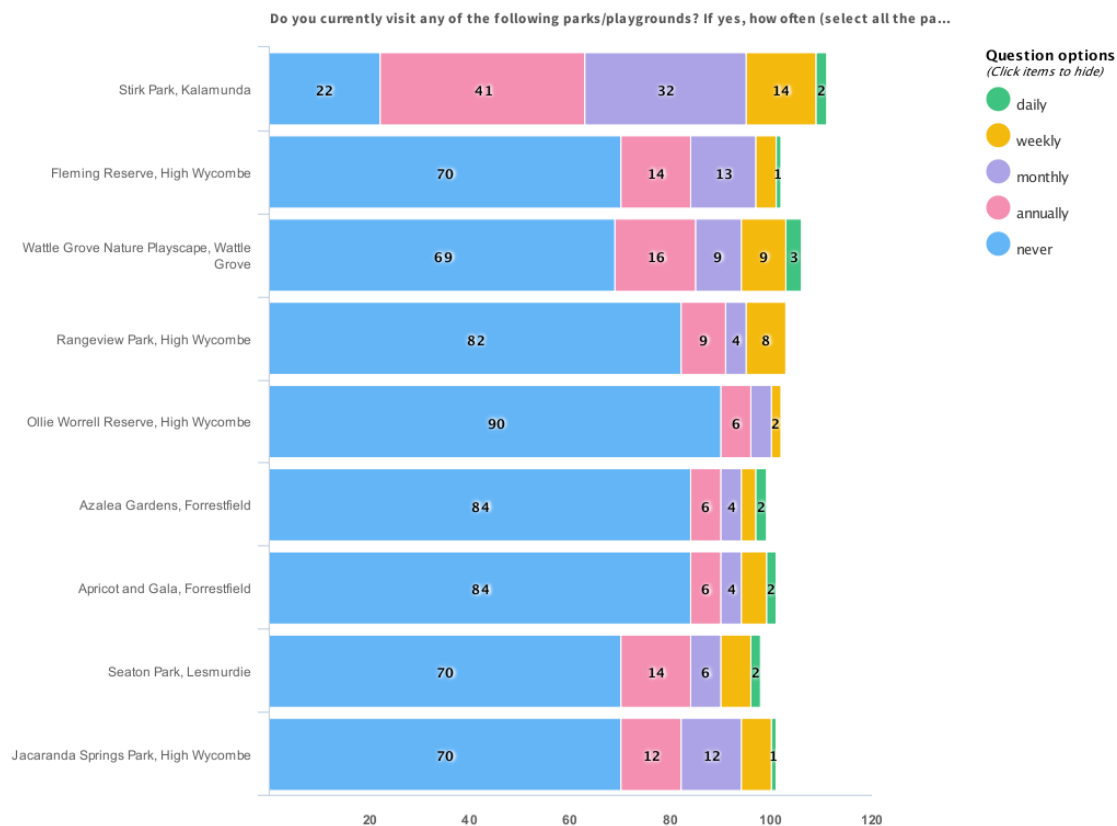
Residents from Forrestfield were the most engaged with 27% of the respondents, followed by High Wycombe (16%), Lesmurdie (14%), Wattle Grove (11%) and Kalamunda (10%).



Park Visitation

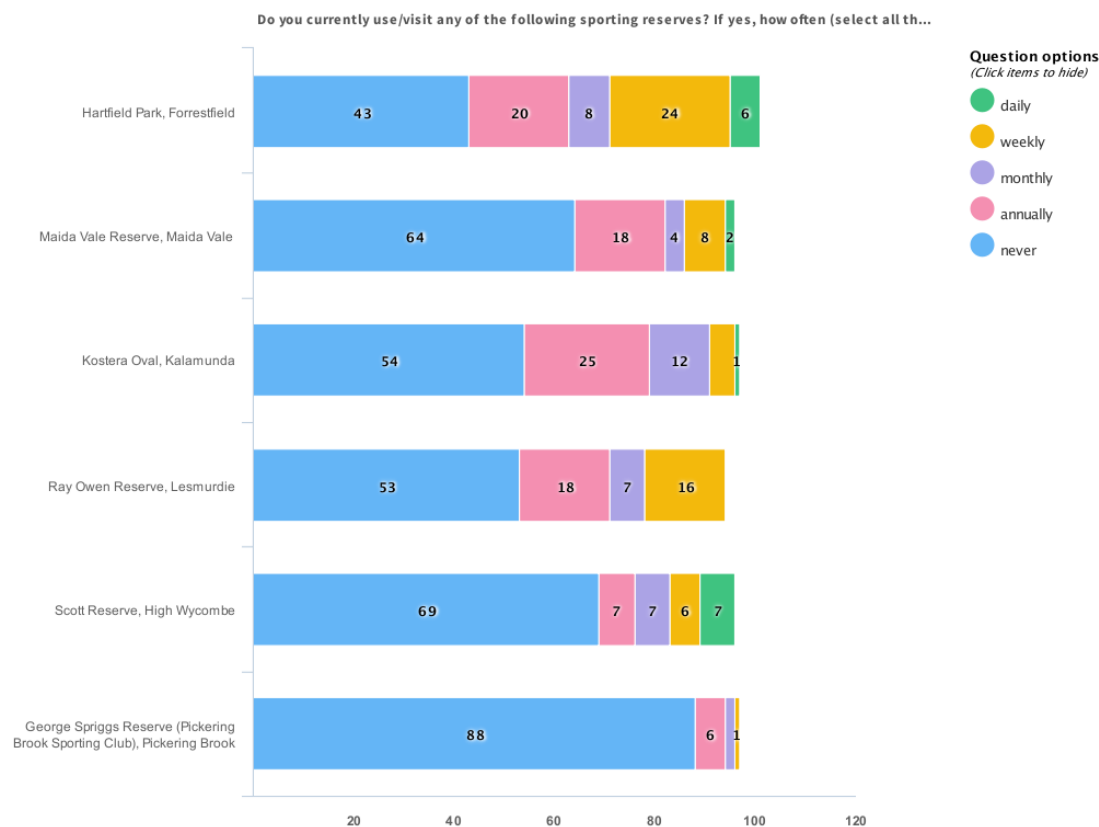
Stirk Park had the highest rate of visitation with only 18% of respondents indicating they never visit the park. Other popular reserves in the City were Fleming Reserve, Seaton Park, Jacaranda Springs and Wattle Grove Nature Playscape (The Promenade POS). Outside the

options of the survey, other popular parks were Bill Shaw Reserve, Flora Terrace Reserve, Federation Gardens (Hartfield Park), Peter Thiel Park and Railway Reserve.



Sports Reserves

Of the sports reserves in the City, Hartfield Park received the greatest rate of participation with 57% of respondents visiting the reserve at least once a year. The other sports reserves that are highly visited by respondents are Kostera Oval and Ray Owen Reserve.



Values

The survey asked respondents to explain the aspects of the City's POS they like and value most. The below lists in order the most common themes that respondents value and like about the City's POS:

1. Nature/Trees/Shade/Wildlife
2. Aesthetics/Beautification/Atmosphere
3. Maintenance
4. Lifestyle
5. Dog Walking
6. Multiple Uses/Facilities
7. Playgrounds
8. Community Feel
9. Health/Fitness Benefits
10. Sport

The survey asked respondents to explain the aspects of POS within the City they do not like. A large variety of responses were provided, and this may be attributed to specific locations. The below lists in order the most common themes that respondents did not like about the City's POS:

1. Poor Maintenance

2. Quality/Quantity of Playgrounds and Equipment
3. Outdated POS
4. Poor aesthetics
5. Vandalism/Rubbish
6. Quality/Quantity of Facilities
7. Dog Issues (No Fenced Areas, Not Obeying Dog Restrictions)
8. Limited Shade
9. Quality/Quantity of Amenities
10. Not enough trees/Removal of vegetation

Improvements

The survey asked respondents to explain the aspects of the City's POS they most wanted improved. There was numerous ideas provided and have been themed in order of most common occurrence in the below list:

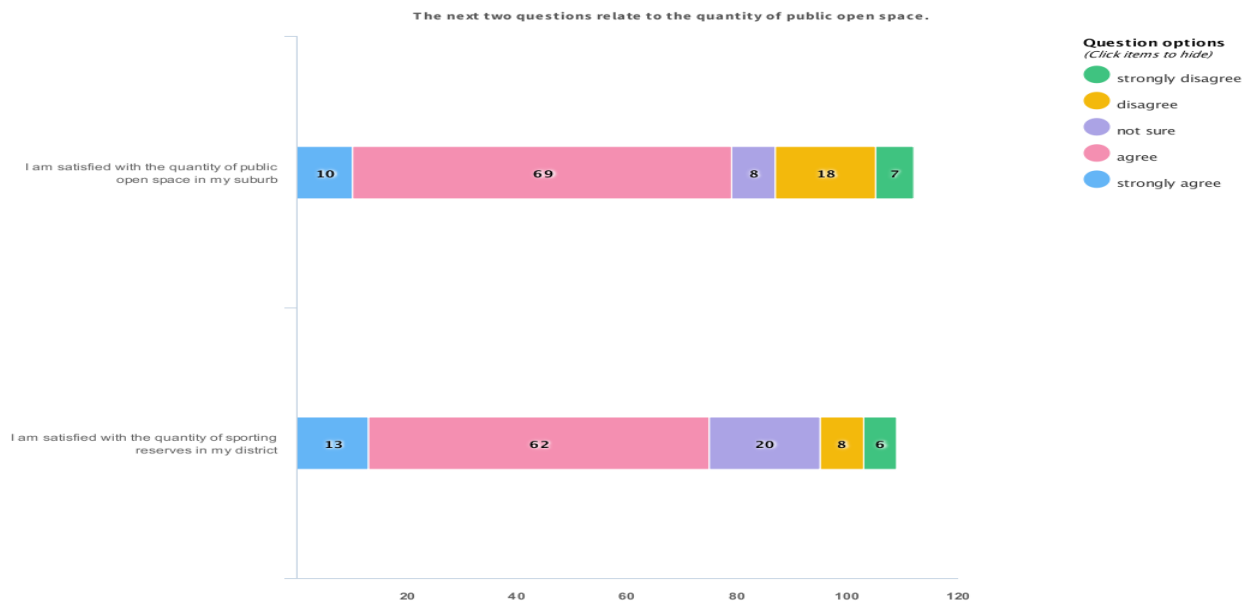
1. Playgrounds/Nature Playgrounds (Quantity and Quality)
2. Trees/Nature/Wildlife Habitat (Protection and Implementation)
3. Beautification
4. Maintenance
5. Seating (Quantity and Quality)
6. Shade
7. Sports Facilities (Quantity and Quality)
8. Amenities
9. Dog Parks/Fenced
10. Exercise Equipment
11. Basketball Courts/Soccer Goals for Smaller Parks
12. Walking/Running/Bike Tracks
13. BBQs
14. Footpaths (Quantity and Quality)
15. Improved Scott Reserve Facilities

Quantity

The survey asked respondents their opinion on the quantity of POS distributed throughout the City. The survey also asked specifically whether the quantity of Sports Reserves is acceptable.

Over 70% of respondents either agreed or strongly agreed that they are satisfied with the quantity of POS in their suburb. 22% of respondents wither strongly disagreed and disagreed.

68.5% of respondents either agree or strongly agree that there is enough sports reserves in their district. Only 13% of respondents disagree or strongly disagree that there is not enough sports reserves in their district.

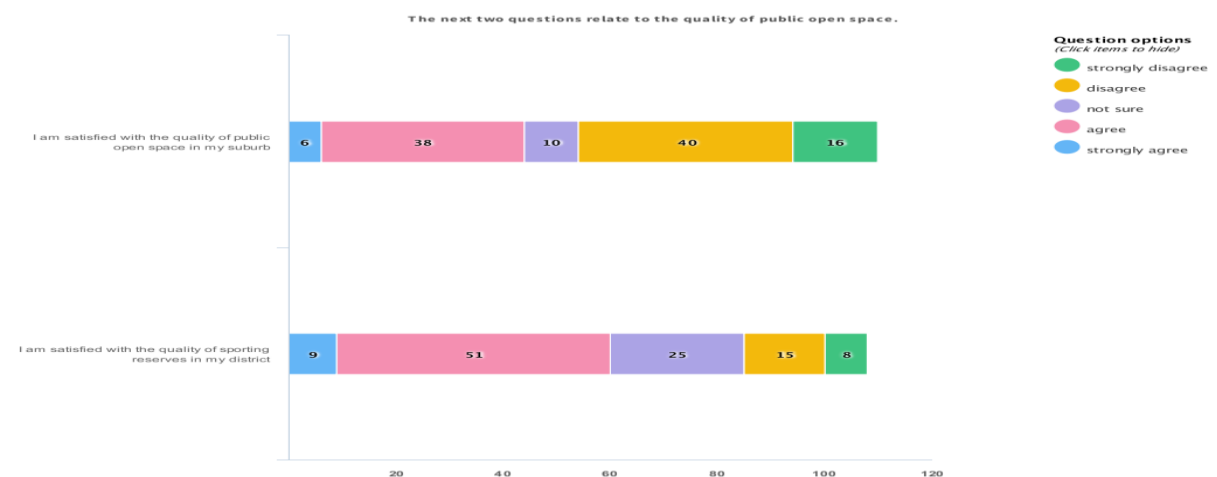


Quality

The survey asked respondents their opinion on whether the quality of POS and Sports reserves is acceptable.

The opinion on quality of POS was mixed, 51.4% of respondents either strongly disagree or disagree that the quality of POS is acceptable. 39.4% of respondents either agreed or strongly agreed that the quality of POS is acceptable in their suburb.

The opinion on the quality of sports reserves is more favourable. 55.1% of respondents either agree or strongly agree the quality of sports reserves is acceptable. In comparison, 21.5% either disagree or strongly disagree and 23.3% are unsure about whether the quality of sports reserves is acceptable.



Transfers

The Strategy recommends that public open space of low quality and functionality be potentially transferred to other uses (i.e. to be developed), to fund the improvement of existing public open space and acquisition of land for future public open space. 37% of respondents are supportive of low quality reserves being transferred to improve existing POS, whereas 63% are not supportive.

Reasons were provide in support or against the idea of transferring reserves. The following common reasons were given in support:

- Many reserves are under utilised
- Community benefits
- Better quality of POS achieved
- Quality over Quantity
- Provides an additional funding mechanism
- Greater facilities and sports reserves can be achieved

The following common reasons were provided against the concept:

- Too much development in the City already
- Bush/Habitat Loss and Wildlife impacts
- Funds should be raised through alternative mechanisms
- Better maintenance of reserves should be the focus

Additional Information

Respondents were asked to complete the survey by stating anything else they would like to comment on regarding the Strategy. Many respondents reiterated their responses to the previous questions, whilst others provided some ideas on how to better utilise spaces. See some of the statements below:

'We need one really well designed playground and park for our City. Preferably with a cafe attached to it. You could lease the cafe out to find maintenance of the playground. Thinking bigger, you could create a facility which could be hired out for events/weddings/birthdays. It's not great having to travel 30mins to another city/shire to enjoy a great playground/ park when our City has so much potential!'

'Growth suburbs like Wattle Grove where there are large numbers of families with small children need to be approached in a manner that will provide natural spaces and landscapes for all to enjoy. We have beautiful surroundings and it would be nice to see a strategy to preserve these whilst facilitating growth and development in the suburb. I would also like to see this transferred to existing suburbs where the abundance of native flora can be preserved for all to enjoy and create a beautiful area.'

'So many unused grasses areas that could be used as an enclosed dog park. The closest ones currently are Inglewood and Aveley.'

Many respondents stated that POS forms important biodiversity and tree canopy linkages between regional reserves. These linkages should be enhanced. It was also noted that there is potential to enhance pedestrian and cycling linkages between POS and links of regional importance such as the Zig Zag, Bibbulmun Track and Old Railway Heritage Trail.

Community Workshops

Community workshops were conducted on the 20 February 2018 at Woodlupine Community Centre in Forrestfield, and 22 February 2018 at the Zig Zag Cultural Centre in Kalamunda. There was a clear difference in the themes coming across during the workshops with those attending the Forrestfield workshop more focussed on sport and recreation, whereas those who attended the Kalamunda workshop had a greater focus on nature.

Forrestfield

Five people attended the Forrestfield Workshop. Attendees were asked to respond to a series of questions and brainstorm with the other attendees.

For the full set of notes refer to Appendix 1

Question 1 – What Reserves Do You Like?

Reserves that were mentioned included Cambridge Reserve, Kostera Oval, Fleming Reserve, Scott Reserve, Woodbridge Reserve (City of Swan), Stirk Park, Ellenbrook Sporting Precinct (City of Swan), Lightning Park (City of Bayswater), Sultana Road East POS and Volcano Park (City of Belmont). It was evident from the group that there was a particular focus on multi-use sports facilities and parks that provide multiple facilities, amenities and are well maintained and presented. The fact that multiple parks were mentioned from outside the City demonstrates that the public admire the POS provided outside the City and should be something that is taken on board to aspire to.

Question 2 – What Reserves Would You Like Improved?

Reserves that were mentioned for improvement included Pioneer Park, Saddleback Circle Reserve, Davis Park and oversized reserves in general that aren't utilised. It was mentioned that some of these reserves could be potentially transferred to improve better utilised reserves. This was expanded on with participants preferring quality over quantity and a preference for consolidated better maintained areas over more dispersed areas that have less maintenance. Some of the key reasons the above reserves were mentioned included poor maintenance, poor utilisation, poor access and poor aesthetics.

Question 3 – What Attributes Do You Like?

Some of the attributes liked about the City's reserves included quality amenities, nature play, natural bush, maintenance and shade.

Question 4 – What Attributes Would You Like To See Improved?

The participants mentioned numerous aspects of the City's reserves that they would like to see improved. This included aspects such as more parking, clubroom upgrades, more amenities and playing surface improvements to sports grounds. Participants also expressed that 'awkward reserves' such as Bandalong Way Reserve, Progress Park and Peter Annus Park could potentially be transferred. It was also mentioned that the standards of maintenance and aesthetics needs to be improved.

Question 5 – Where Should We Prioritise Resources To Improve Reserves?

The participants were in favour of prioritising resources towards sporting facilities and the larger multi-use parks. As mentioned previously participants were in favour of utilising the transfer of underutilised reserves as a resource for improving the highly utilised reserves.

Question 6 – General Thoughts On The Strategy?

The last question asked participants to provide feedback on the draft Strategy in general. Participants were mostly supportive of the Strategy as a whole, with a focus on quality over quantity recommended.

Kalamunda

Eleven people attended the Kalamunda workshop, with attendees split into three groups. Attendees rotated to different tables to change up the formation of groups for different questions. Attendees were asked to respond to a series of questions and brainstorm with the other attendees.

For the full set of notes refer to Appendix 2

Question 1 – What Reserves Do You Like?

The reserves that were mentioned by more than one group included Seaton Park, Stirk Park and Bill Shaw Reserve. Other parks also mentioned included Juniper Way Reserve, Mick Conti Park, Vernallan Way Reserve, Scott Reserve, Kostera Oval, Wordsworth Reserve and Anthony Heslop Reserve. Participants generally were in favour of reserves that provided nature or multi-use facilities and aesthetics.

Question 2 – What Reserves Would You Like Improved?

Stirk Park, Wordsworth Reserve and Mario Court POS were reserves mentioned for improvement. The main ideas for improvement included amenities, signage, seating, beautification and playgrounds. It was also raised that potentially no reserves need improvement.

Question 3 – What Attributes Do You Like?

Attributes that participants mentioned at more than one group included shade, trees, green space and wildlife demonstrating a preference for nature and aesthetics. Other attributes mentioned included a mix of uses, dog walking, bike riding and planting activities.

Question 4 – What Attributes Would You Like To See Improved?

The key themes that were mentioned by the groups for improvement included better maintenance, beautification of reserves, water features, drinking fountains, nature enhancement and enclosed dog walking areas.

Question 5 - Where Should We Prioritise Resources To Improve Reserves?

As was a consistent theme throughout the workshop, the protection and enhancement of nature was mentioned as a key priority. Other areas of prioritisation included the implementation of fenced dog parks, beautification, water features, assistance for community groups and amenities.

Question 6 – General Thoughts On The Strategy

Participants were generally supportive on the intention of the Strategy, with any components involving environmental protection supportive and suggested to be enhanced. Participants were generally not supportive of the idea of transferring nature reserves. The retention, maintenance and upgrade of POS was mentioned as being what should be the priority of the Strategy.

Information Stalls

During January the City set up information stalls for the Strategy, handing out surveys and gathering the community's ideas. The following locations were visited:

- Hartfield Park Recreation Centre
- High Wycombe Village Shopping Centre (Kalamunda Road)
- Forrestfield District Shopping Centre
- Kalamunda District Shopping Centre

The key themes and ideas that the community mentioned included the following:

- Fenced dog parks/dog specialised parks
- Cycle paths
- Improved pedestrian paths
- Nature enhancement and no clearing of vegetation
- Swimming pool at Hartfield Park/Foothills
- Improved multi-purpose facilities
- Community gardens
- More amenities at parks
- Improved playgrounds
- Exercise equipment

Submissions

A total of 6 submissions were received. Submissions are confidential in nature, and are taken in consideration as part of the final Strategy. The key themes expressed as part of the submissions are explained below:

Underutilisation of Small Parks in High Wycombe in Comparison to Multi-Use Facilities

Information was provided on the usage of parks in High Wycombe by collecting data each day during a fortnight in June at the same time just around 4pm (peak usage time). The data demonstrated a lack in the usage of small parks in High Wycombe. The small parks analysed included John McLarty Park, Viv Robinson Park, Emms Reserve, Progress Park, Peter Annus Park, Mackenzie Park and Peter Hegney Park. In comparison multi-use parks in High Wycombe had much higher usage. The multi-use parks included Fleming Reserve, Scott Reserve and Rangeview Park.

Artificial Turf

The Strategy recommends that artificial turf should be investigated for future sports ground redevelopments. Support was expressed for the use of artificial turf for sports grounds, particular for hockey and soccer. The key reasons for the support of artificial turf included:

- Better utilisation of limited irrigation water supplies
- Increased access to sporting grounds for the growing population
- Withstanding high use
- Greater space efficiency
- Cost over a long period of time

It was expressed that artificial turf should be considered as part of the Hartfield Park Master Plan, particularly the hockey grounds.

POS in Bickley

It was raised that the quality of some of the small parks in Bickley is very low and serve no benefit to the community. It was suggested that these reserves be transferred, with funds to improve reserves in the general vicinity, including Walliston. The following parcels of land were identified as being potential transfer sites due to their low quality and limited benefit:

1. Lots 1 & 35 – Corner Palmateer/Lawnbrook
2. Lot 72 – Corner Palmateer/Nairn
3. Lots 48 & 52 – First Avenue (Second Avenue Reserve)
4. Lot 26 – Corner First Avenue & Lawnbrook (First Avenue Reserve)
5. Lots 31 & 32 – Lawnbrook (Lawnbrook Road Reserve)

It should be noted that examples 1 and 2 are not reserved.

Biodiversity and Conservation

It was raised that caution is warranted for the potential transfer of reserves which may contain biodiversity values. It was stated however that due to the small size of the majority of reserves identified for transfer, they are unlikely to contain anything substantial. In the event of a transfer, it is recommended that the Department of Biodiversity, Conservation and Attractions (DBCA) is provided the opportunity to comment.

It was suggested that the Strategy mentions *State Planning Policy 2.8 – Bushland Policy for the Perth Metropolitan Region* and its intention. The Environmental Planning Strategy and Local Biodiversity Strategy should also be mentioned in the key documents. Caution should be used in justifying the low percentage of POS in areas with high amounts of private open space. Areas of future development such as Forrestfield North and Maida Vale South have the opportunity during the planning process to allocate appropriate POS to protect biodiversity assets.

Support was expressed for Strategic Directions 1.1-1.6. Those reserves that have nature identified as a function should also have conservation identified as a function. Mapping edits were suggested where reserves identified as Regional Open Space is not classified correctly (Pioneer Park and Hartfield Park), some POS are privately owned and Dawson Park's boundaries should be modified.

It was expressed that many of the 21 reserves listed for transfer provide ecological links and therefore should not be considered for transfer. These reserves include the following:

- Wordsworth Reserve (explained in further detail below)
- Holly Way West
- Berkshire Road Reserve
- Noel Road Reserve

It is stated that the improvement of Almond Wat POS, Blackbutt Way Reserve have important environmental value, which is not recognised in the 'bigger picture' by listing them for improvement.

It was suggested that the mapping and list of reserves also lists the reserve number, to make identifying reserves easier.

It was expressed that the rating matrix is bias towards reserves that provide a sport and recreation function, whereas reserves that provide an environmental function are not well considered and not properly evaluated.

It was stated that the Strategy should also consider regional open space and bush forever sites. It is also a concern that Biodiversity Assets have not been environmentally assessed, as is the fact there is no timeline for this to be undertaken.

The importance of nature reserves was expressed due to the multiple benefits they provide, not only to the environment but also the health of the community.

Value of Wordsworth Reserve, Community Groups and Community Gardens

It was expressed that Wordsworth Reserve has significant value to the community due to its environmental values, accessibility, design, maintenance and the bringing together of community members. There is an active friends group at the reserve that maintains the reserve and also has established a vegetable garden. The 'D' rating of the reserve is not supported and should be amended to accurately reflect the value of the reserve.

It is noted that Gooseberry Hill has the lowest percentage of POS in its urban areas. It is noted that due to this there is generally a lack of community cohesion and security, which Wordsworth Reserve provides. It is suggested that small reserves with existing Friends Groups should have greater ratings that currently reflected in the Strategy. It is also suggested that greater encouragement of small community vegetable and fruit gardens is provided.

Conclusion

All feedback from the community will be taken into consideration when finalising the Strategy. A review of the ratings, classifications and functions will be conducted incorporating the feedback the community provided on specific reserves and the values they expressed in general. It is recommended that during the planning and implementation of reserves identified for improvement by the Strategy and any new reserves utilise the list of suggested improvements from the survey and those mentioned in the workshop. The key aspects that need improvements and the key values that the community expressed should also be taken into consideration during the planning and implementation phase. This is to be reflected in the Strategy in a new Section – Community Engagement and the Strategic Directions and Actions.

A review of the reserves identified for improvement and transfer will also be undertaken incorporating the feedback from the community, particularly reserves that have specifically been mentioned and taking into consideration the key values the community identified.

Given the community expressed both a desire to prioritise sports and multi-use facilities as well as reserves that contain important environmental values, the Strategy will review the Strategic Directions and Actions that will assist in enhancing these forms of POS.

The community generally conveyed that the quantity of parks and sporting reserves is acceptable, whereas the quality of reserves was less favourable. Therefore the Strategy will continue to prioritise the quality of its reserves over the quantity. This will be reflected in the Strategic Directions and Actions.

Appendix 1 – Forrestfield Workshop

Public Open Space Strategy**Forrestfield Workshop – Tuesday 21 February 2018****Woodlupine Community Centre****Question 1 – What Reserves do you like?**

- Cambridge Reserve
- Well used reserves
- Well maintained reserves
- Reserves that have facilities – toilets, shade, places to stay
- Reserves where the dog can be walked
- Spaces for remote control cars
- Kostera Oval
 - People have been talking about it
 - Investment in the reserve
- Fleming Reserve – BBQs, Skate Park, Car Parking
- Facilities – bring safety, safety in numbers
- Scott Reserve
- Woodbridge Reserve (City of Swan)
 - Playgrounds
 - Toilets
 - Coffees / Kiosk
 - Nature Play
 - Fully fenced and secure
 - Fit for purpose POS
 - Realistic amenities based on likely use
- Volcano Park (City of Belmont)
 - Unique facilities
- Stirk Park
 - Older style play equipment
- Ellenbrook Sports Grounds (City of Swan)
 - Multi-use sporting facility
- Lightning Park (City of Bayswater)
 - Multi-use sporting facility
- Reserves that have walking and cycling accessibility
- Sultana Road East POS
 - Short-term use
 - Not fancy, but useful

Question 2 – What Reserves would you like improved?

- Pioneer Park
 - Eye-sore
 - Maintenance
 - Can be improved (Great Access and Visibility)
- Adelaide Road (In general)
 - Dumping on City of Swan side
- Oversized areas that aren't used
 - Potentially transfer
 - Davis Park
- Saddleback Circle Reserve
 - Land wastage
- Quality over quantity
- Better maintained areas is better than more areas less maintained / with less amenities
- Some parks are too small for a toilet block / amenities to be successful
 - Promotes anti-social behaviour

Question 3 – What Attributes do you like?

- Usage
- Parking (ample parking)
- Shade (shade sails)
- Maintenance
- Can we have less 'smaller reserves'
 - The smaller reserves we do have, have smart maintenance strategies – i.e shade sails instead of trees for shade
- Fencing / security
- Child – friendly (fenced / secure)
- Fences at sporting reserves to facilitate economic benefits for sporting clubs (controlled entry)
- Amenities
 - Toilets (for larger areas)
 - BBQs
 - Shade
 - Seats
 - Gazebo
 - Retained Bushland
 - Skate Park
 - Integrated Facilities
 - Lighting for sports groups
- Natural Bush Design
- Nature Play
- Natural – non-sport related play
- Spaces for BBQs, picnics
- An adventure bushwalk
- Water play
- Feature Play

Question 4 – What attributes would you like to see improved?

- Not enough parking at Scott Reserves during sports activities
- Standards of everything in general (aesthetics, maintenance)
- Modern facilities growing with the times
- Club rooms need modernising
- Playing surfaces at sports clubs need improving – catering to Kal's weather conditions
- Transfer 'awkward' reserves
 - Too small or too big
 - Bandalong Way Reserve
 - Progress Park
 - Peter Annus Park
- Turn parks that are too small into housing
- Amenities at bigger reserves
 - Toilets, benches
- Better 'though-out' design to spaces, rather than just a 'space' with a playground
- Age of Infrastructure
- Graffiti resistant amenities
- Facilities can at times have more importance than aesthetics – the area must have well thought out amenities
- Improved utilisation

Question 5 – Where should we priorities resources to improve reserves?

- Equipment (maintenance)
- Facilities for organised sporting activities (because these days kids are always supervised / part of organised groups)
- Prioritise the parks that are more utilised
 - District / Regional Parks
 - Fleming Reserve (Neighbourhood Park)
- Building amenities at parks and giving something to do
- Water Park / Water playground
 - Something to do on a hot day
 - Significant water playground
 - Something to come to – attractions
 - Something to attract people to the City of Kalamunda
- Reinvest money from transfer of smaller parks into ones that would be better utilised (bigger ones with better facilities)

Question 6 – General thoughts on the Strategy

- Good intention
- On the right track
- There's a reason behind what is proposed
- All areas don't need to be made equal, just the ones we do have need to be good (more quality over quantity)

- Prioritise popular reserves
- At least one main club / area in each area
- More aged care facilities
- Thinking seems out-dated
 - Needs modernising to suit kids needs of today
- Support transfer of reserves

Appendix 2 – Kalamunda Workshop

Public Open Space Strategy

Kalamunda Workshop – Thursday 20 February 2018

Zig Zag Cultural Centre

*Note that there were up to 3 groups during the workshop. Participants changed groups at various times during the workshop.

Question 1 – What Reserves do you like?

- Jorgensen Park
- Railway Road Heritage Trail
- Seaton Park x 2
- Stirk Park x 3
- Anthony Heslop Reserve
- All parks are important part of the environment regardless of location
- Would like to see maintenance program over long period (10 years)
- Bill Shaw Reserve x 2 – well used
- Scott Reserve
- Kostera Reserve
- Wordsworth Reserve
- Ledger Road Reserve
- Huntley Street Reserve
- Carissa Way/Dawson Ave – Juniper Way Reserve
- Welshpool Road/Lesmurdie Road – Mick Conti Park
- Vernallan Way Reserve

Question 2 – What Reserves would you like improved?

- Stirk Park – BBQ, sand shell, needs toilets
- Don't over-modernise – many adequate as they are
- No parking for Bibluman Track
- Nil Reserves need improvement
- Jorgensen Park
- Corner Brady Road/Lesmurdie Road
- Alan Anderson Park
 - Cost of rejuvenation – waste of resources – want it fixed.
 - Has fence around it and forgotten.
- Near History Village / Railway Heritage Trail
 - Non-Native plants – revegetation/beautification
- Wordsworth Reserve
 - Needs improvement / signage
 - Needs materials
 - Seating
- Mario Court POS
 - Needs enhancing

- Just grass – Needs Playground
- More beautification / Trees
- Seating / Amenities

Question 3 - What Attributes do you like?

- Shade x3
 - Trees
 - Covered areas (artificial)
 - Eating areas
- Trees – Lots x3
- Open Space
- Well kept – nice aesthetics
- Playgrounds – small
 - Climbing
 - Spinning
 - Nature Play
 - Shade
- BBQs – Larger reserves
- Nature Spaces
- Nice Natural Aesthetics
- Green Space x2
- A Good Mix – Bill Shaw
- Recycling and General Waste
- Place to Walk
- Dogs to (some) Parks
- Reserves for Specific Use – Variety
- A Network of Places, Big and Small
- Bill Shaw good example of medium sized park
- Wildlife x2
- Aesthetics
- Water Features / Creeks / Ponds
- Walking Dogs – Railway Heritage Trail
- Bike Riding
- Keeping active / play – important for kids
- Education
- Interaction with nature
- Seating – park bench – Railway Line
- Play facilities for children
- Proximity from home
- Planting activities – community gardens
- Photography / scenic appeal
- Parks for nature groups
- Group activities – yoga
- Rural / small aesthetics
- Art / sculptures on display

Question 4 – What Attributes would you like to see improved?

- Better maintained paths
- Drainage planning
- Plant more trees at all parks
- Mario Court POS
- Amenity
- Drinking fountains at larger / medium reserves x2
- Something for tourists
- Stirk Park
 - Native garden bed
 - Pond x2
- New aquatic centre
 - Water park / water play
- Integrated bicycle paths between paths
 - Maintenance station
- No improvements to passive reserves
- Open grass space
- Extreme skate park
- Improve out-dated infrastructure
- Public art
- Happy as they are
- Enclosed dog area – reduced incidents
- Beautification
 - Garden
 - Horticulture
- Native beautification
- Nature enhancement
- Less non-native trees planted
- Decent signage for all reserves
- Name reserves – not all named
- Domestic cats roaming – ranger services
- Water features
- Volunteer groups
 - Friends Groups
 - Adopt-a-spot
 - Active citizenship for all parks/reserves
- School children / youth planting activities
- More comms / publicity for community groups – not just the web
- Programs for the elderly – visit parks / reserves
- Nest boxes for birds – e.g. Dunsborough
- Short training courses at parks – bush skills for the hills
- Wildlife
- Native gardens beds
- Water wise – hydrozones
- Meandering paths

Question 5 – Where should we prioritise resources to improve reserves?

- Fenced dog parks
- Local native plants / shade x3
 - Preservation
 - upkeep
- Possum nesting boxes
 - Wildlife shelter
- Water features
- Beautification
- More events
- Access to parks
- Access within parks
- Nature protection
- Retain what we have
- Community-led / active citizenship
- More assistance for groups
 - Equipment
 - Tools to organise
- Promotion of sites with no active groups
- More publicity – signage – ‘this site is managed by...’
- Seating
- Facilities for children / elderly – exercise equipment
- Clear pathways
 - Access for disabled / elderly
- Nature playgrounds
- Remove exotic weeds
- Invest in medium/large parks, not smaller ones
- Cat control / management
- Work-out stations at medium parks
- Long walk trails – planned and connected
- Tourist attractions
- Park usage survey
- Top of the hill
- Lighting at highly used sporting areas

Question 6 – General thoughts of the Strategy

- All objectives high in importance
- Retaining all reserves is important
- Is this POS Strategy comparable to others in WA?
 - A ‘gold standard’ or ‘benchmark’
- POS workshop is worth it
- More people at workshop
- Want something for everyone
- More activities on POS

- Long-term planning: we have a strategy to move forward
- What is the value in retaining totally degraded sites?
- Support for identifying reserves that can be retained
- Protecting pristine bushland that we have
- Look at improving safety
- If 'lower value' reserves are to be considered for disposal/improvement then directly engage neighbourhood / local community
- Location specific comms meetings please
- Directly engage with schools – as a project
- Needs emphasis connectivity and exposure to nature – protection of wildlife – curfew of cats
- Over emphasis on safety?
- Defining environmentally significant areas
- No transfers – especially the hills
- Effective use of resources – avoid transfer of reserves
- Less is more
- Emphasise the beauty of Kalamunda – natural beauty
- Objective 1 very important
- Are some area not significant?
 - If funds cannot be raised
- Some small blocks still have value
- Residents should be given option to adopt before disposal / transfer – citizen-led maintenance
- Offset from developers – give back land that has been taken to enhance low grade reserves – e.g. Jorgensen Park
- Yes to improving low quality reserves
- Maintain open space
- Retention and upgrade
- Rates (impact)
- Sports Space (Active Recreation) for youth
 - Transfer low grade sites
- Naturescapes

APPENDIX 15: REFERENCES

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Public Open Space Strategy - Community Engagement Findings and Outcomes Report

Summary

PUBLIC OPEN SPACE STRATEGY

DEC 2017

COMMUNITY ENGAGEMENT FINDINGS & OUTCOMES

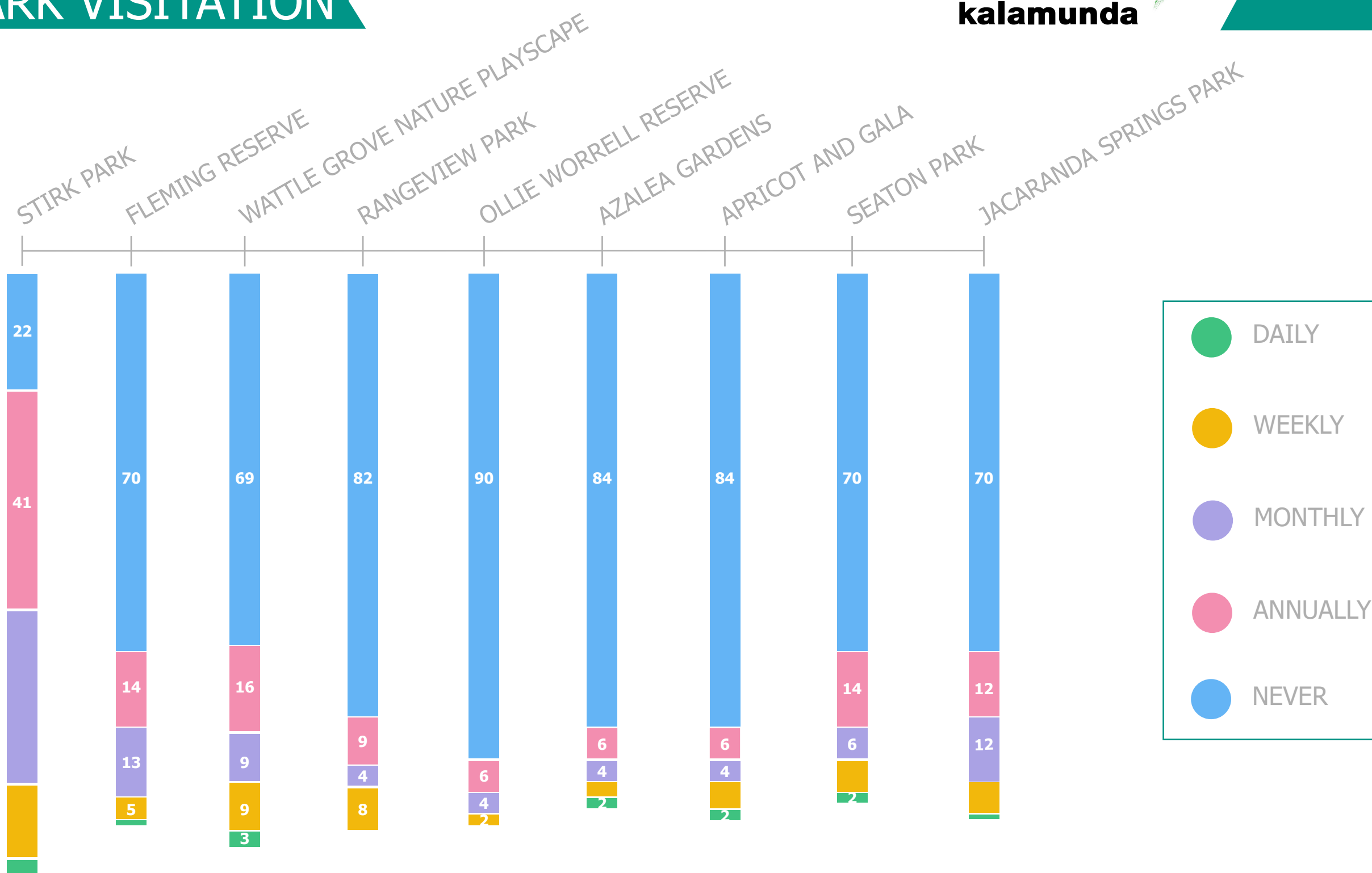
FEB 2018

Find out more at engage.kalamunda.wa.gov.au

PARK VISITATION



TOTAL
113
SURVEYS



TOP TEN LIKES

1. Nature/Trees/Shade/Wildlife
2. Aesthetics/Beautification/Atmosphere
3. Maintenance
4. Lifestyle
5. Dog Walking
6. Multiple Uses/Facilities
7. Playgrounds
8. Community Feel
9. Health/Fitness Benefits
10. Sport

IS THE QUANTITY ACCEPTABLE?

PUBLIC OPEN SPACES



70%



22%

SPORTS RESERVES



68.5%



13%

IS THE QUALITY ACCEPTABLE?

PUBLIC OPEN SPACES



39.4%



51.4%

SPORTS RESERVES

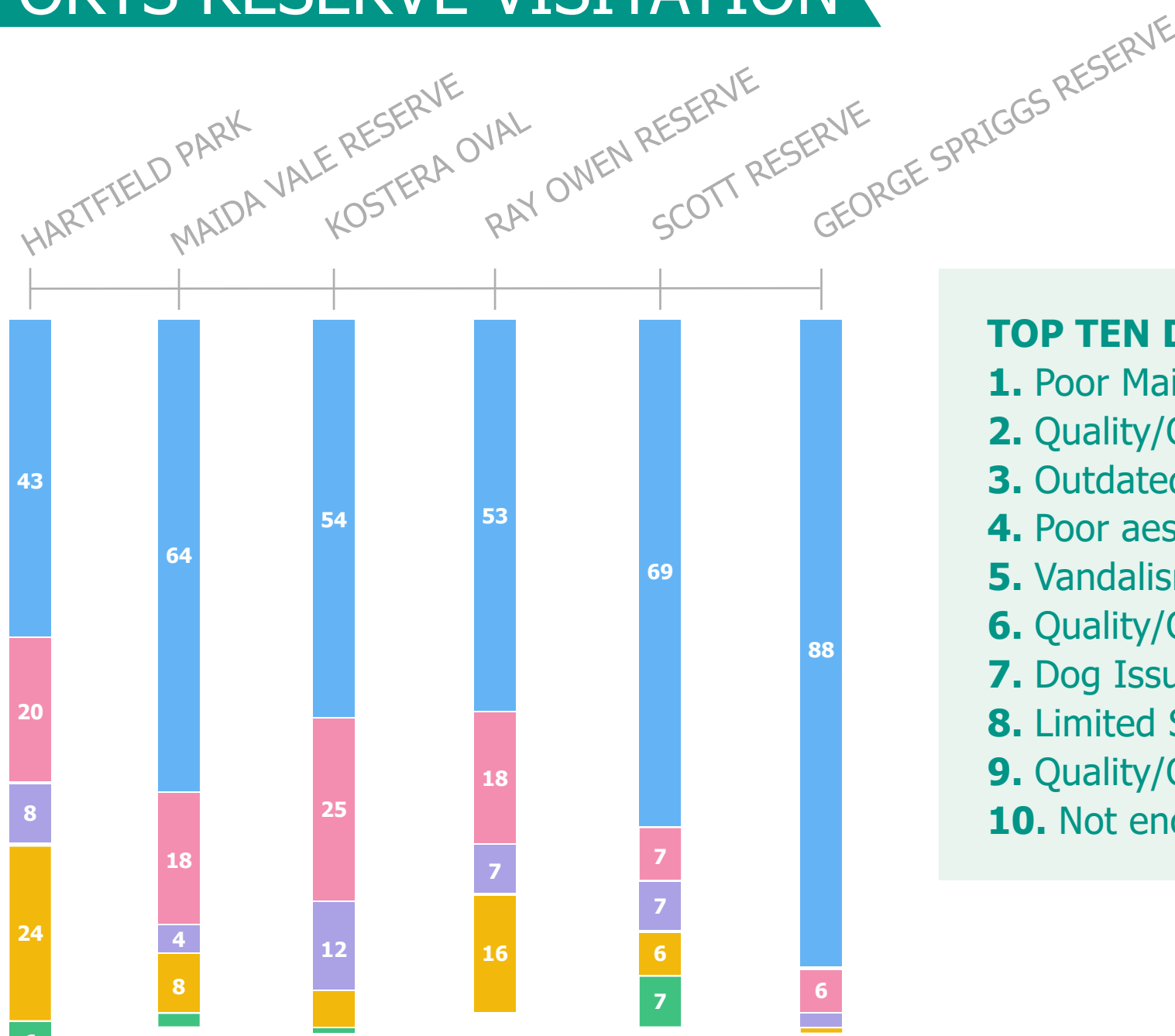


55.1%



21.5%

SPORTS RESERVE VISITATION



TOP TEN DISLIKES

1. Poor Maintenance
2. Quality/Quantity of Playgrounds and Equipment
3. Outdated POS
4. Poor aesthetics
5. Vandalism/Rubbish
6. Quality/Quantity of Facilities
7. Dog Issues (No Fenced Areas, Disobeying Restrictions)
8. Limited Shade
9. Quality/Quantity of Amenities
10. Not enough trees/Removal of vegetation

- MANY RESERVES ARE UNDER UTILISED
- PROVIDES AN ADDITIONAL FUNDING MECHANISM
- COMMUNITY BENEFITS
- QUALITY OVER QUANTITY
- BETTER QUALITY OF POS ACHIEVED
- GREATER FACILITIES AND SPORTS RESERVES CAN BE ACHIEVED



TRANSFERS



37%

The Strategy recommends that public open space of low quality & functionality be potentially transferred to other uses to fund the improvement of existing public open space & acquisition of land for future public open space



63%

- TOO MUCH DEVELOPMENT IN THE CITY ALREADY
- BETTER MAINTENANCE OF RESERVES SHOULD BE THE FOCUS
- FUNDS SHOULD BE RAISED THROUGH ALTERNATIVE MECHANISMS
- BUSH/HABITAT LOSS AND WILDLIFE IMPACTS

COMMUNITY COMMENTS

MOST WANTED IMPROVEMENTS

1. Playgrounds/Nature Playgrounds (Quantity and Quality)
2. Trees/Nature/Wildlife Habitat (Protection and Implementation)
3. Beautification
4. Maintenance
5. Seating (Quantity and Quality)
6. Shade
7. Sports Facilities (Quantity and Quality)
8. Amenities
9. Dog Parks/Fenced
10. Exercise Equipment
11. Basketball Courts/Soccer Goals for Smaller Parks
12. Walking/Running/Bike Tracks
13. BBQs
14. Footpaths (Quantity and Quality)
15. Improved Scott Reserve Facilities

Many respondents stated that POS forms important biodiversity and tree canopy linkages between regional reserves. These linkages should be enhanced. It was also noted that there is potential to enhance pedestrian and cycling linkages between POS and links of regional importance such as the Zig Zag, Bibbulmun Track and Old Railway Heritage Trail.

'We need one really well designed playground and park for our City. Preferably with a cafe attached to it. You could lease the cafe out to find maintenance of the playground. Thinking bigger, you could create a facility which could be hired out for events / weddings / birthdays. It's not great having to travel 30mins to another city/shire to enjoy a great playground/park when our City has so much potential!'

'So many unused grassed areas that could be used as an enclosed dog park. The closest ones currently are Inglewood and Aveley.'

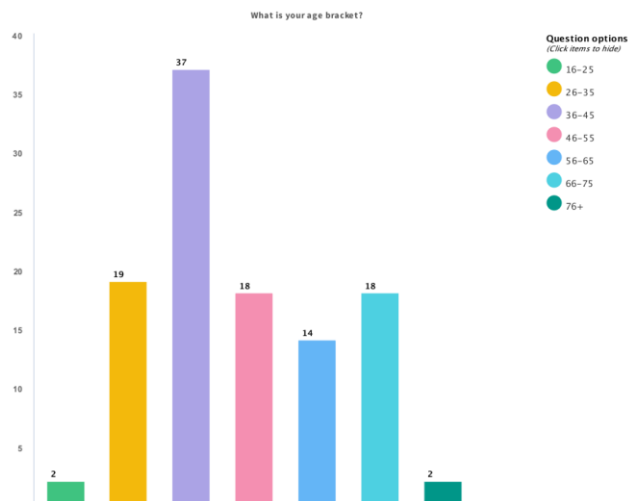
'Growth suburbs like Wattle Grove where there are large numbers of families with small children need to be approached in a manner that will provide natural spaces and landscapes for all to enjoy. We have beautiful surroundings and it would be nice to see a strategy to preserve these whilst facilitating growth and development in the suburb. I would also like to see this transferred to existing suburbs where the abundance of native flora can be preserved for all to enjoy and create a beautiful area.'

Surveys

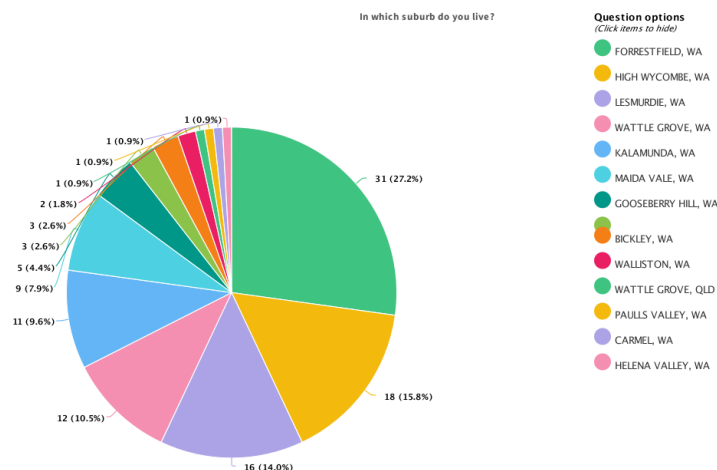
Overview

The City of Kalamunda (the City) Public Open Space Strategy (the Strategy) Survey was open from December 2017 to the end of February 2018. Over that time 113 surveys were completed. 70% of the responses were from females and 30% from males.

The 36-45 age bracket (parents with children) provided the highest amount of responses, with age brackets of 26-35, 46-55, 56-65 and 66-75 having similar participation rates. The 16-25 and 76+ age brackets had low numbers of participation.



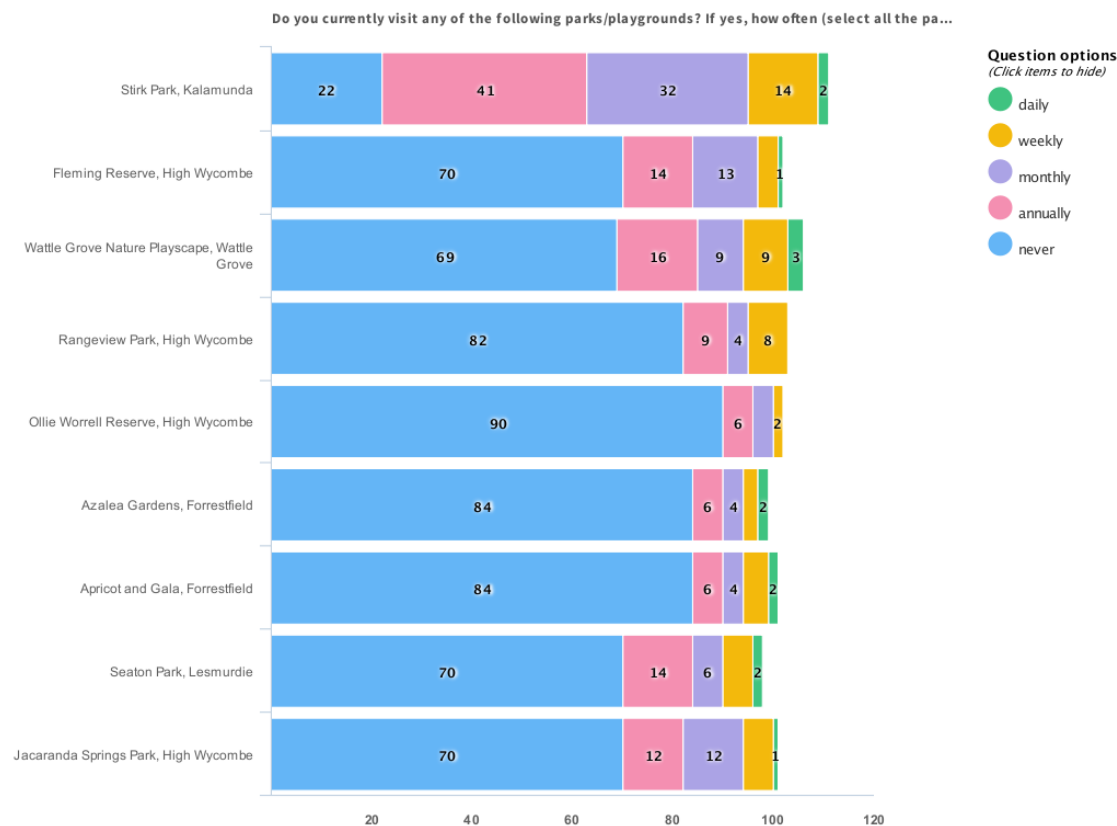
Residents from Forrestfield were the most engaged with 27% of the respondents, followed by High Wycombe (16%), Lesmurdie (14%), Wattle Grove (11%) and Kalamunda (10%).



Park Visitation

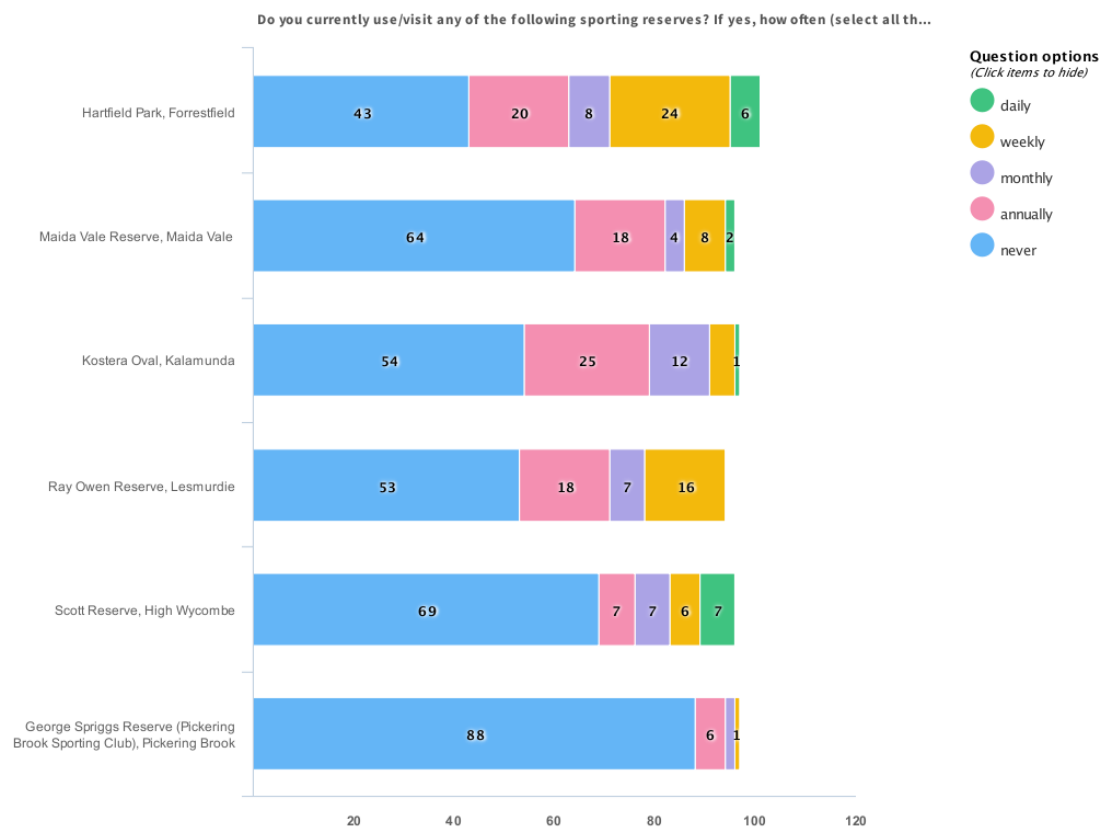
Stirk Park had the highest rate of visitation with only 18% of respondents indicating they never visit the park. Other popular reserves in the City were Fleming Reserve, Seaton Park, Jacaranda Springs and Wattle Grove Nature Playscape (The Promenade POS). Outside the

options of the survey, other popular parks were Bill Shaw Reserve, Flora Terrace Reserve, Federation Gardens (Hartfield Park), Peter Thiel Park and Railway Reserve.



Sports Reserves

Of the sports reserves in the City, Hartfield Park received the greatest rate of participation with 57% of respondents visiting the reserve at least once a year. The other sports reserves that are highly visited by respondents are Kostera Oval and Ray Owen Reserve.



Values

The survey asked respondents to explain the aspects of the City's POS they like and value most. The below lists in order the most common themes that respondents value and like about the City's POS:

1. Nature/Trees/Shade/Wildlife
2. Aesthetics/Beautification/Atmosphere
3. Maintenance
4. Lifestyle
5. Dog Walking
6. Multiple Uses/Facilities
7. Playgrounds
8. Community Feel
9. Health/Fitness Benefits
10. Sport

The survey asked respondents to explain the aspects of POS within the City they do not like. A large variety of responses were provided, and this may be attributed to specific locations. The below lists in order the most common themes that respondents did not like about the City's POS:

1. Poor Maintenance

2. Quality/Quantity of Playgrounds and Equipment
3. Outdated POS
4. Poor aesthetics
5. Vandalism/Rubbish
6. Quality/Quantity of Facilities
7. Dog Issues (No Fenced Areas, Not Obeying Dog Restrictions)
8. Limited Shade
9. Quality/Quantity of Amenities
10. Not enough trees/Removal of vegetation

Improvements

The survey asked respondents to explain the aspects of the City's POS they most wanted improved. There was numerous ideas provided and have been themed in order of most common occurrence in the below list:

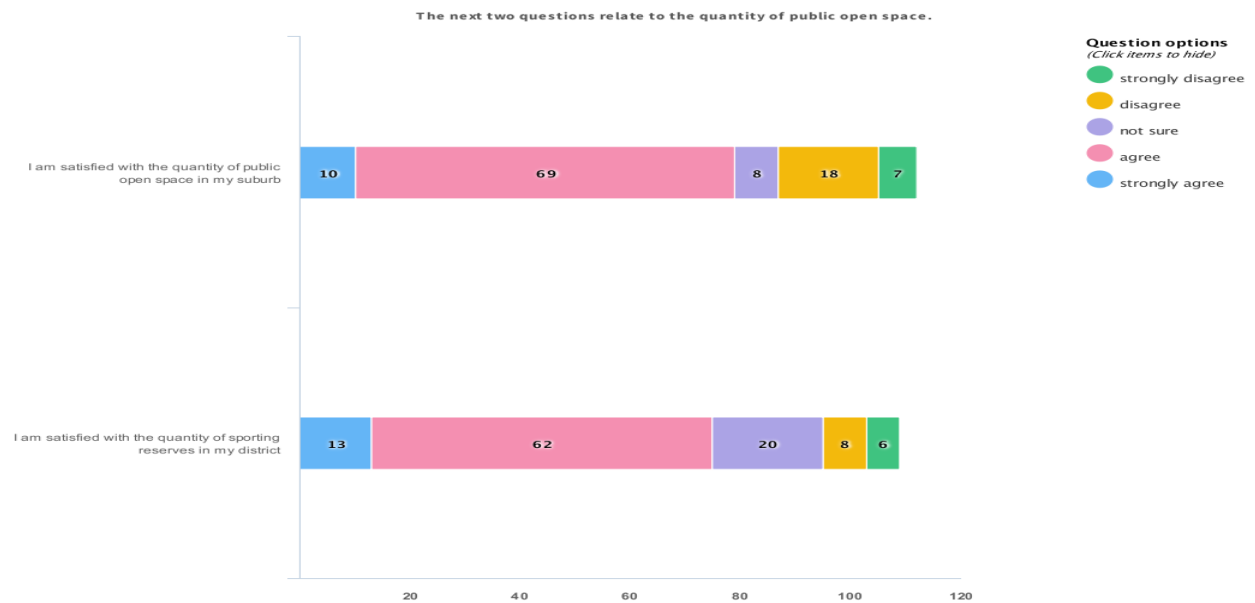
1. Playgrounds/Nature Playgrounds (Quantity and Quality)
2. Trees/Nature/Wildlife Habitat (Protection and Implementation)
3. Beautification
4. Maintenance
5. Seating (Quantity and Quality)
6. Shade
7. Sports Facilities (Quantity and Quality)
8. Amenities
9. Dog Parks/Fenced
10. Exercise Equipment
11. Basketball Courts/Soccer Goals for Smaller Parks
12. Walking/Running/Bike Tracks
13. BBQs
14. Footpaths (Quantity and Quality)
15. Improved Scott Reserve Facilities

Quantity

The survey asked respondents their opinion on the quantity of POS distributed throughout the City. The survey also asked specifically whether the quantity of Sports Reserves is acceptable.

Over 70% of respondents either agreed or strongly agreed that they are satisfied with the quantity of POS in their suburb. 22% of respondents wither strongly disagreed and disagreed.

68.5% of respondents either agree or strongly agree that there is enough sports reserves in their district. Only 13% of respondents disagree or strongly disagree that there is not enough sports reserves in their district.

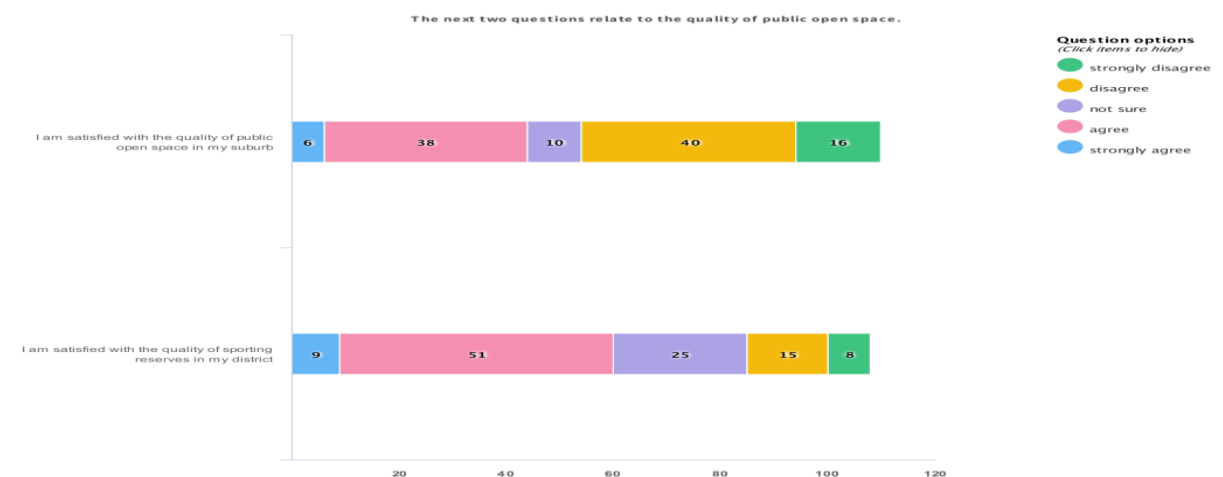


Quality

The survey asked respondents their opinion on whether the quality of POS and Sports reserves is acceptable.

The opinion on quality of POS was mixed, 51.4% of respondents either strongly disagree or disagree that the quality of POS is acceptable. 39.4% of respondents either agreed or strongly agreed that the quality of POS is acceptable in their suburb.

The opinion on the quality of sports reserves is more favourable. 55.1% of respondents either agree or strongly agree the quality of sports reserves is acceptable. In comparison, 21.5% either disagree or strongly disagree and 23.3% are unsure about whether the quality of sports reserves is acceptable.



Transfers

The Strategy recommends that public open space of low quality and functionality be potentially transferred to other uses (i.e. to be developed), to fund the improvement of existing public open space and acquisition of land for future public open space. 37% of respondents are supportive of low quality reserves being transferred to improve existing POS, whereas 63% are not supportive.

Reasons were provide in support or against the idea of transferring reserves. The following common reasons were given in support:

- Many reserves are under utilised
- Community benefits
- Better quality of POS achieved
- Quality over Quantity
- Provides an additional funding mechanism
- Greater facilities and sports reserves can be achieved

The following common reasons were provided against the concept:

- Too much development in the City already
- Bush/Habitat Loss and Wildlife impacts
- Funds should be raised through alternative mechanisms
- Better maintenance of reserves should be the focus

Additional Information

Respondents were asked to complete the survey by stating anything else they would like to comment on regarding the Strategy. Many respondents reiterated their responses to the previous questions, whilst others provided some ideas on how to better utilise spaces. See some of the statements below:

'We need one really well designed playground and park for our City. Preferably with a cafe attached to it. You could lease the cafe out to find maintenance of the playground. Thinking bigger, you could create a facility which could be hired out for events/weddings/birthdays. It's not great having to travel 30mins to another city/shire to enjoy a great playground/ park when our City has so much potential!'

'Growth suburbs like Wattle Grove where there are large numbers of families with small children need to be approached in a manner that will provide natural spaces and landscapes for all to enjoy. We have beautiful surroundings and it would be nice to see a strategy to preserve these whilst facilitating growth and development in the suburb. I would also like to see this transferred to existing suburbs where the abundance of native flora can be preserved for all to enjoy and create a beautiful area.'

'So many unused grasses areas that could be used as an enclosed dog park. The closest ones currently are Inglewood and Aveley.'

Many respondents stated that POS forms important biodiversity and tree canopy linkages between regional reserves. These linkages should be enhanced. It was also noted that there is potential to enhance pedestrian and cycling linkages between POS and links of regional importance such as the Zig Zag, Bibbulmun Track and Old Railway Heritage Trail.

Community Workshops

Community workshops were conducted on the 20 February 2018 at Woodlupine Community Centre in Forrestfield, and 22 February 2018 at the Zig Zag Cultural Centre in Kalamunda. There was a clear difference in the themes coming across during the workshops with those attending the Forrestfield workshop more focussed on sport and recreation, whereas those who attended the Kalamunda workshop had a greater focus on nature.

Forrestfield

Five people attended the Forrestfield Workshop. Attendees were asked to respond to a series of questions and brainstorm with the other attendees.

For the full set of notes refer to Appendix 1

Question 1 – What Reserves Do You Like?

Reserves that were mentioned included Cambridge Reserve, Kostera Oval, Fleming Reserve, Scott Reserve, Woodbridge Reserve (City of Swan), Stirk Park, Ellenbrook Sporting Precinct (City of Swan), Lightning Park (City of Bayswater), Sultana Road East POS and Volcano Park (City of Belmont). It was evident from the group that there was a particular focus on multi-use sports facilities and parks that provide multiple facilities, amenities and are well maintained and presented. The fact that multiple parks were mentioned from outside the City demonstrates that the public admire the POS provided outside the City and should be something that is taken on board to aspire to.

Question 2 – What Reserves Would You Like Improved?

Reserves that were mentioned for improvement included Pioneer Park, Saddleback Circle Reserve, Davis Park and oversized reserves in general that aren't utilised. It was mentioned that some of these reserves could be potentially transferred to improve better utilised reserves. This was expanded on with participants preferring quality over quantity and a preference for consolidated better maintained areas over more dispersed areas that have less maintenance. Some of the key reasons the above reserves were mentioned included poor maintenance, poor utilisation, poor access and poor aesthetics.

Question 3 – What Attributes Do You Like?

Some of the attributes liked about the City's reserves included quality amenities, nature play, natural bush, maintenance and shade.

Question 4 – What Attributes Would You Like To See Improved?

The participants mentioned numerous aspects of the City's reserves that they would like to see improved. This included aspects such as more parking, clubroom upgrades, more amenities and playing surface improvements to sports grounds. Participants also expressed that 'awkward reserves' such as Bandalong Way Reserve, Progress Park and Peter Annus Park could potentially be transferred. It was also mentioned that the standards of maintenance and aesthetics needs to be improved.

Question 5 – Where Should We Prioritise Resources To Improve Reserves?

The participants were in favour of prioritising resources towards sporting facilities and the larger multi-use parks. As mentioned previously participants were in favour of utilising the transfer of underutilised reserves as a resource for improving the highly utilised reserves.

Question 6 – General Thoughts On The Strategy?

The last question asked participants to provide feedback on the draft Strategy in general. Participants were mostly supportive of the Strategy as a whole, with a focus on quality over quantity recommended.

Kalamunda

Eleven people attended the Kalamunda workshop, with attendees split into three groups. Attendees rotated to different tables to change up the formation of groups for different questions. Attendees were asked to respond to a series of questions and brainstorm with the other attendees.

For the full set of notes refer to Appendix 2

Question 1 – What Reserves Do You Like?

The reserves that were mentioned by more than one group included Seaton Park, Stirk Park and Bill Shaw Reserve. Other parks also mentioned included Juniper Way Reserve, Mick Conti Park, Vernallan Way Reserve, Scott Reserve, Kostera Oval, Wordsworth Reserve and Anthony Heslop Reserve. Participants generally were in favour of reserves that provided nature or multi-use facilities and aesthetics.

Question 2 – What Reserves Would You Like Improved?

Stirk Park, Wordsworth Reserve and Mario Court POS were reserves mentioned for improvement. The main ideas for improvement included amenities, signage, seating, beautification and playgrounds. It was also raised that potentially no reserves need improvement.

Question 3 – What Attributes Do You Like?

Attributes that participants mentioned at more than one group included shade, trees, green space and wildlife demonstrating a preference for nature and aesthetics. Other attributes mentioned included a mix of uses, dog walking, bike riding and planting activities.

Question 4 – What Attributes Would You Like To See Improved?

The key themes that were mentioned by the groups for improvement included better maintenance, beautification of reserves, water features, drinking fountains, nature enhancement and enclosed dog walking areas.

Question 5 - Where Should We Prioritise Resources To Improve Reserves?

As was a consistent theme throughout the workshop, the protection and enhancement of nature was mentioned as a key priority. Other areas of prioritisation included the implementation of fenced dog parks, beautification, water features, assistance for community groups and amenities.

Question 6 – General Thoughts On The Strategy

Participants were generally supportive on the intention of the Strategy, with any components involving environmental protection supportive and suggested to be enhanced. Participants were generally not supportive of the idea of transferring nature reserves. The retention, maintenance and upgrade of POS was mentioned as being what should be the priority of the Strategy.

Information Stalls

During January the City set up information stalls for the Strategy, handing out surveys and gathering the community's ideas. The following locations were visited:

- Hartfield Park Recreation Centre
- High Wycombe Village Shopping Centre (Kalamunda Road)
- Forrestfield District Shopping Centre
- Kalamunda District Shopping Centre

The key themes and ideas that the community mentioned included the following:

- Fenced dog parks/dog specialised parks
- Cycle paths
- Improved pedestrian paths
- Nature enhancement and no clearing of vegetation
- Swimming pool at Hartfield Park/Foothills
- Improved multi-purpose facilities
- Community gardens
- More amenities at parks
- Improved playgrounds
- Exercise equipment

Submissions

A total of 6 submissions were received. Submissions are confidential in nature, and are taken in consideration as part of the final Strategy. The key themes expressed as part of the submissions are explained below:

Underutilisation of Small Parks in High Wycombe in Comparison to Multi-Use Facilities

Information was provided on the usage of parks in High Wycombe by collecting data each day during a fortnight in June at the same time just around 4pm (peak usage time). The data demonstrated a lack in the usage of small parks in High Wycombe. The small parks analysed included John McLarty Park, Viv Robinson Park, Emms Reserve, Progress Park, Peter Annus Park, Mackenzie Park and Peter Hegney Park. In comparison multi-use parks in High Wycombe had much higher usage. The multi-use parks included Fleming Reserve, Scott Reserve and Rangeview Park.

Artificial Turf

The Strategy recommends that artificial turf should be investigated for future sports ground redevelopments. Support was expressed for the use of artificial turf for sports grounds, particular for hockey and soccer. The key reasons for the support of artificial turf included:

- Better utilisation of limited irrigation water supplies
- Increased access to sporting grounds for the growing population
- Withstanding high use
- Greater space efficiency
- Cost over a long period of time

It was expressed that artificial turf should be considered as part of the Hartfield Park Master Plan, particularly the hockey grounds.

POS in Bickley

It was raised that the quality of some of the small parks in Bickley is very low and serve no benefit to the community. It was suggested that these reserves be transferred, with funds to improve reserves in the general vicinity, including Walliston. The following parcels of land were identified as being potential transfer sites due to their low quality and limited benefit:

1. Lots 1 & 35 – Corner Palmateer/Lawnbrook
2. Lot 72 – Corner Palmateer/Nairn
3. Lots 48 & 52 – First Avenue (Second Avenue Reserve)
4. Lot 26 – Corner First Avenue & Lawnbrook (First Avenue Reserve)
5. Lots 31 & 32 – Lawnbrook (Lawnbrook Road Reserve)

It should be noted that examples 1 and 2 are not reserved.

Biodiversity and Conservation

It was raised that caution is warranted for the potential transfer of reserves which may contain biodiversity values. It was stated however that due to the small size of the majority of reserves identified for transfer, they are unlikely to contain anything substantial. In the event of a transfer, it is recommended that the Department of Biodiversity, Conservation and Attractions (DBCA) is provided the opportunity to comment.

It was suggested that the Strategy mentions *State Planning Policy 2.8 – Bushland Policy for the Perth Metropolitan Region* and its intention. The Environmental Planning Strategy and Local Biodiversity Strategy should also be mentioned in the key documents. Caution should be used in justifying the low percentage of POS in areas with high amounts of private open space. Areas of future development such as Forrestfield North and Maida Vale South have the opportunity during the planning process to allocate appropriate POS to protect biodiversity assets.

Support was expressed for Strategic Directions 1.1-1.6. Those reserves that have nature identified as a function should also have conservation identified as a function. Mapping edits were suggested where reserves identified as Regional Open Space is not classified correctly (Pioneer Park and Hartfield Park), some POS are privately owned and Dawson Park's boundaries should be modified.

It was expressed that many of the 21 reserves listed for transfer provide ecological links and therefore should not be considered for transfer. These reserves include the following:

- Wordsworth Reserve (explained in further detail below)
- Holly Way West
- Berkshire Road Reserve
- Noel Road Reserve

It is stated that the improvement of Almond Wat POS, Blackbutt Way Reserve have important environmental value, which is not recognised in the 'bigger picture' by listing them for improvement.

It was suggested that the mapping and list of reserves also lists the reserve number, to make identifying reserves easier.

It was expressed that the rating matrix is bias towards reserves that provide a sport and recreation function, whereas reserves that provide an environmental function are not well considered and not properly evaluated.

It was stated that the Strategy should also consider regional open space and bush forever sites. It is also a concern that Biodiversity Assets have not been environmentally assessed, as is the fact there is no timeline for this to be undertaken.

The importance of nature reserves was expressed due to the multiple benefits they provide, not only to the environment but also the health of the community.

Value of Wordsworth Reserve, Community Groups and Community Gardens

It was expressed that Wordsworth Reserve has significant value to the community due to its environmental values, accessibility, design, maintenance and the bringing together of community members. There is an active friends group at the reserve that maintains the reserve and also has established a vegetable garden. The 'D' rating of the reserve is not supported and should be amended to accurately reflect the value of the reserve.

It is noted that Gooseberry Hill has the lowest percentage of POS in its urban areas. It is noted that due to this there is generally a lack of community cohesion and security, which Wordsworth Reserve provides. It is suggested that small reserves with existing Friends Groups should have greater ratings that currently reflected in the Strategy. It is also suggested that greater encouragement of small community vegetable and fruit gardens is provided.

Conclusion

All feedback from the community will be taken into consideration when finalising the Strategy. A review of the ratings, classifications and functions will be conducted incorporating the feedback the community provided on specific reserves and the values they expressed in general. It is recommended that during the planning and implementation of reserves identified for improvement by the Strategy and any new reserves utilise the list of suggested improvements from the survey and those mentioned in the workshop. The key aspects that need improvements and the key values that the community expressed should also be taken into consideration during the planning and implementation phase. This is to be reflected in the Strategy in a new Section – Community Engagement and the Strategic Directions and Actions.

A review of the reserves identified for improvement and transfer will also be undertaken incorporating the feedback from the community, particularly reserves that have specifically been mentioned and taking into consideration the key values the community identified.

Given the community expressed both a desire to prioritise sports and multi-use facilities as well as reserves that contain important environmental values, the Strategy will review the Strategic Directions and Actions that will assist in enhancing these forms of POS.

The community generally conveyed that the quantity of parks and sporting reserves is acceptable, whereas the quality of reserves was less favourable. Therefore the Strategy will continue to prioritise the quality of its reserves over the quantity. This will be reflected in the Strategic Directions and Actions.

Appendix 1 – Forrestfield Workshop

Public Open Space Strategy
Forrestfield Workshop – Tuesday 21 February 2018
Woodlupine Community Centre

Question 1 – What Reserves do you like?

- Cambridge Reserve
- Well used reserves
- Well maintained reserves
- Reserves that have facilities – toilets, shade, places to stay
- Reserves where the dog can be walked
- Spaces for remote control cars
- Kostera Oval
 - People have been talking about it
 - Investment in the reserve
- Fleming Reserve – BBQs, Skate Park, Car Parking
- Facilities – bring safety, safety in numbers
- Scott Reserve
- Woodbridge Reserve (City of Swan)
 - Playgrounds
 - Toilets
 - Coffees / Kiosk
 - Nature Play
 - Fully fenced and secure
 - Fit for purpose POS
 - Realistic amenities based on likely use
- Volcano Park (City of Belmont)
 - Unique facilities
- Stirk Park
 - Older style play equipment
- Ellenbrook Sports Grounds (City of Swan)
 - Multi-use sporting facility
- Lightning Park (City of Bayswater)
 - Multi-use sporting facility
- Reserves that have walking and cycling accessibility
- Sultana Road East POS
 - Short-term use
 - Not fancy, but useful

Question 2 – What Reserves would you like improved?

- Pioneer Park
 - Eye-sore
 - Maintenance
 - Can be improved (Great Access and Visibility)
- Adelaide Road (In general)
 - Dumping on City of Swan side
- Oversized areas that aren't used
 - Potentially transfer
 - Davis Park
- Saddleback Circle Reserve
 - Land wastage
- Quality over quantity
- Better maintained areas is better than more areas less maintained / with less amenities
- Some parks are too small for a toilet block / amenities to be successful
 - Promotes anti-social behaviour

Question 3 – What Attributes do you like?

- Usage
- Parking (ample parking)
- Shade (shade sails)
- Maintenance
- Can we have less 'smaller reserves'
 - The smaller reserves we do have, have smart maintenance strategies – i.e shade sails instead of trees for shade
- Fencing / security
- Child – friendly (fenced / secure)
- Fences at sporting reserves to facilitate economic benefits for sporting clubs (controlled entry)
- Amenities
 - Toilets (for larger areas)
 - BBQs
 - Shade
 - Seats
 - Gazebo
 - Retained Bushland
 - Skate Park
 - Integrated Facilities
 - Lighting for sports groups
- Natural Bush Design
- Nature Play
- Natural – non-sport related play
- Spaces for BBQs, picnics
- An adventure bushwalk
- Water play
- Feature Play

Question 4 – What attributes would you like to see improved?

- Not enough parking at Scott Reserves during sports activities
- Standards of everything in general (aesthetics, maintenance)
- Modern facilities growing with the times
- Club rooms need modernising
- Playing surfaces at sports clubs need improving – catering to Kal's weather conditions
- Transfer 'awkward' reserves
 - Too small or too big
 - Bandalong Way Reserve
 - Progress Park
 - Peter Annus Park
- Turn parks that are too small into housing
- Amenities at bigger reserves
 - Toilets, benches
- Better 'though-out' design to spaces, rather than just a 'space' with a playground
- Age of Infrastructure
- Graffiti resistant amenities
- Facilities can at times have more importance than aesthetics – the area must have well thought out amenities
- Improved utilisation

Question 5 – Where should we priorities resources to improve reserves?

- Equipment (maintenance)
- Facilities for organised sporting activities (because these days kids are always supervised / part of organised groups)
- Prioritise the parks that are more utilised
 - District / Regional Parks
 - Fleming Reserve (Neighbourhood Park)
- Building amenities at parks and giving something to do
- Water Park / Water playground
 - Something to do on a hot day
 - Significant water playground
 - Something to come to – attractions
 - Something to attract people to the City of Kalamunda
- Reinvest money from transfer of smaller parks into ones that would be better utilised (bigger ones with better facilities)

Question 6 – General thoughts on the Strategy

- Good intention
- On the right track
- There's a reason behind what is proposed
- All areas don't need to be made equal, just the ones we do have need to be good (more quality over quantity)

- Prioritise popular reserves
- At least one main club / area in each area
- More aged care facilities
- Thinking seems out-dated
 - Needs modernising to suit kids needs of today
- Support transfer of reserves

Appendix 2 – Kalamunda Workshop

Public Open Space Strategy

Kalamunda Workshop – Thursday 20 February 2018

Zig Zag Cultural Centre

*Note that there were up to 3 groups during the workshop. Participants changed groups at various times during the workshop.

Question 1 – What Reserves do you like?

- Jorgensen Park
- Railway Road Heritage Trail
- Seaton Park x 2
- Stirk Park x 3
- Anthony Heslop Reserve
- All parks are important part of the environment regardless of location
- Would like to see maintenance program over long period (10 years)
- Bill Shaw Reserve x 2 – well used
- Scott Reserve
- Kostera Reserve
- Wordsworth Reserve
- Ledger Road Reserve
- Huntley Street Reserve
- Carissa Way/Dawson Ave – Juniper Way Reserve
- Welshpool Road/Lesmurdie Road – Mick Conti Park
- Vernallan Way Reserve

Question 2 – What Reserves would you like improved?

- Stirk Park – BBQ, sand shell, needs toilets
- Don't over-modernise – many adequate as they are
- No parking for Bibluman Track
- Nil Reserves need improvement
- Jorgensen Park
- Corner Brady Road/Lesmurdie Road
- Alan Anderson Park
 - Cost of rejuvenation – waste of resources – want it fixed.
 - Has fence around it and forgotten.
- Near History Village / Railway Heritage Trail
 - Non-Native plants – revegetation/beautification
- Wordsworth Reserve
 - Needs improvement / signage
 - Needs materials
 - Seating
- Mario Court POS
 - Needs enhancing

- Just grass – Needs Playground
- More beautification / Trees
- Seating / Amenities

Question 3 - What Attributes do you like?

- Shade x3
 - Trees
 - Covered areas (artificial)
 - Eating areas
- Trees – Lots x3
- Open Space
- Well kept – nice aesthetics
- Playgrounds – small
 - Climbing
 - Spinning
 - Nature Play
 - Shade
- BBQs – Larger reserves
- Nature Spaces
- Nice Natural Aesthetics
- Green Space x2
- A Good Mix – Bill Shaw
- Recycling and General Waste
- Place to Walk
- Dogs to (some) Parks
- Reserves for Specific Use – Variety
- A Network of Places, Big and Small
- Bill Shaw good example of medium sized park
- Wildlife x2
- Aesthetics
- Water Features / Creeks / Ponds
- Walking Dogs – Railway Heritage Trail
- Bike Riding
- Keeping active / play – important for kids
- Education
- Interaction with nature
- Seating – park bench – Railway Line
- Play facilities for children
- Proximity from home
- Planting activities – community gardens
- Photography / scenic appeal
- Parks for nature groups
- Group activities – yoga
- Rural / small aesthetics
- Art / sculptures on display

Question 4 – What Attributes would you like to see improved?

- Better maintained paths
- Drainage planning
- Plant more trees at all parks
- Mario Court POS
- Amenity
- Drinking fountains at larger / medium reserves x2
- Something for tourists
- Stirk Park
 - Native garden bed
 - Pond x2
- New aquatic centre
 - Water park / water play
- Integrated bicycle paths between paths
 - Maintenance station
- No improvements to passive reserves
- Open grass space
- Extreme skate park
- Improve out-dated infrastructure
- Public art
- Happy as they are
- Enclosed dog area – reduced incidents
- Beautification
 - Garden
 - Horticulture
- Native beautification
- Nature enhancement
- Less non-native trees planted
- Decent signage for all reserves
- Name reserves – not all named
- Domestic cats roaming – ranger services
- Water features
- Volunteer groups
 - Friends Groups
 - Adopt-a-spot
 - Active citizenship for all parks/reserves
- School children / youth planting activities
- More comms / publicity for community groups – not just the web
- Programs for the elderly – visit parks / reserves
- Nest boxes for birds – e.g. Dunsborough
- Short training courses at parks – bush skills for the hills
- Wildlife
- Native gardens beds
- Water wise – hydrozones
- Meandering paths

Question 5 – Where should we prioritise resources to improve reserves?

- Fenced dog parks
- Local native plants / shade x3
 - Preservation
 - upkeep
- Possum nesting boxes
 - Wildlife shelter
- Water features
- Beautification
- More events
- Access to parks
- Access within parks
- Nature protection
- Retain what we have
- Community-led / active citizenship
- More assistance for groups
 - Equipment
 - Tools to organise
- Promotion of sites with no active groups
- More publicity – signage – ‘this site is managed by...’
- Seating
- Facilities for children / elderly – exercise equipment
- Clear pathways
 - Access for disabled / elderly
- Nature playgrounds
- Remove exotic weeds
- Invest in medium/large parks, not smaller ones
- Cat control / management
- Work-out stations at medium parks
- Long walk trails – planned and connected
- Tourist attractions
- Park usage survey
- Top of the hill
- Lighting at highly used sporting areas

Question 6 – General thoughts of the Strategy

- All objectives high in importance
- Retaining all reserves is important
- Is this POS Strategy comparable to others in WA?
 - A ‘gold standard’ or ‘benchmark’
- POS workshop is worth it
- More people at workshop
- Want something for everyone
- More activities on POS

- Long-term planning: we have a strategy to move forward
- What is the value in retaining totally degraded sites?
- Support for identifying reserves that can be retained
- Protecting pristine bushland that we have
- Look at improving safety
- If 'lower value' reserves are to be considered for disposal/improvement then directly engage neighbourhood / local community
- Location specific comms meetings please
- Directly engage with schools – as a project
- Needs emphasis connectivity and exposure to nature – protection of wildlife – curfew of cats
- Over emphasis on safety?
- Defining environmentally significant areas
- No transfers – especially the hills
- Effective use of resources – avoid transfer of reserves
- Less is more
- Emphasise the beauty of Kalamunda – natural beauty
- Objective 1 very important
- Are some area not significant?
 - If funds cannot be raised
- Some small blocks still have value
- Residents should be given option to adopt before disposal / transfer – citizen-led maintenance
- Offset from developers – give back land that has been taken to enhance low grade reserves – e.g. Jorgensen Park
- Yes to improving low quality reserves
- Maintain open space
- Retention and upgrade
- Rates (impact)
- Sports Space (Active Recreation) for youth
 - Transfer low grade sites
- Naturescapes

Public Open Space Strategy 2017 - Schedule of Submissions

Submitter No.	Submission Summary	Response																				
1	<p>The submitter over a two week period beginning Monday 5th June 2017 occurring between 4-5pm, visited parks in the local area (High Wycombe) and collected data on how frequently they were used. The data demonstrated that the larger multi-purpose use reserves are much more highly utilised than small local parks. The results questioned the need to have small local parks, and focus resources on larger multi use reserves.</p> <p>Summary of results (two week period) :</p> <table><tr><th>Park</th><th>Total No. people using park at time of visitation</th></tr><tr><td>John McLarty Park</td><td>2</td></tr><tr><td>Viv Robinson Park</td><td>0</td></tr><tr><td>Emms Reserve</td><td>3</td></tr><tr><td>Progress Park</td><td>8</td></tr><tr><td>Peter Annus Park</td><td>6</td></tr><tr><td>Rangeview Park</td><td>54</td></tr><tr><td>Mackenzie Park</td><td>11</td></tr><tr><td>Peter Hegney Reserve</td><td>37</td></tr><tr><td>Fleming Reserve</td><td>349</td></tr></table> <p>Scott Reserve has the following membership Numbers: High Wycombe JFC – 325 High Wycombe AFC – 160 High Wycombe CC – 185 Cyril Road Hall and Newburn Road Scout Hall is utilised by Kalamunda Performers who have about 300 members.</p>	Park	Total No. people using park at time of visitation	John McLarty Park	2	Viv Robinson Park	0	Emms Reserve	3	Progress Park	8	Peter Annus Park	6	Rangeview Park	54	Mackenzie Park	11	Peter Hegney Reserve	37	Fleming Reserve	349	<ul style="list-style-type: none">• The Strategy aims to focus on improving and acquiring sports space. A key action of the Strategy is to ensure master planning occurs for all multipurpose reserves and that they are reviewed every 10 years. Fleming Reserve and Scott Reserve are considered to be subject to master planning.• Fleming Reserve has been rated A.• Scott Reserve has been rated B.• Peter Annus Park has been identified as a potential transfer site.• John McLarty Park has been identified for improvement.• Rangeview Park has been identified for improvement as a strategic site due to its size and ability to provide multiple functions.
Park	Total No. people using park at time of visitation																					
John McLarty Park	2																					
Viv Robinson Park	0																					
Emms Reserve	3																					
Progress Park	8																					
Peter Annus Park	6																					
Rangeview Park	54																					
Mackenzie Park	11																					
Peter Hegney Reserve	37																					
Fleming Reserve	349																					

<p>2</p>	<ol style="list-style-type: none"> 1. KDHC is grateful to the City for providing new hockey playing grounds and club rooms which will fulfil the community's needs for the next 50 years. 2. Note the observation outline in section 4.2 advocating the consideration of artificial turf for active sporting grounds. 3. Most important benefit to artificial turf is space. Resilience of the surface allows the community to utilise the space for active sports at an intensity that requires 3 times as much land when under natural grass. 4. Historically the installation of artificial turf is burdened by capital costs. The use of water and consumption of energy are elements to be considered, but can be appropriately managed. 5. When measured against the potential for yet more land to accommodate the number of playing fields the community will need, the case for artificial turf becomes compelling. 6. Artificial turf is a far superior solution to natural turf, as the available land is used much more efficiently. 7. The installation of multiple artificial turfs at the new hockey facility on Hartfield Road to fully utilise the existing land already located, and remove the burden on the City for the provision of yet more POS for the hockey playing community in the future. 8. Section 4.2 identifies soccer as a suitable sport to play on artificial turf. While this is becoming more common, playing soccer on artificial turf is a relatively new development. In contrast, hockey has been played on artificial turf for decades and the knowledge, experience and quality of artificial hockey fields is second to none and has been extensively tested. 9. The use of artificial turf is supported and encouraged by the KDHC. If required, the KDHC can provide substantial supporting information to demonstrate the benefit of artificial turf for hockey. 	<ol style="list-style-type: none"> 1. Noted 2. Noted 3. An action of the Strategy states that synthetic turf should be investigated and considered in future sports space development and master planning as a result of increasing pressures and usage. 4. As above (3) 5. As above (3) 6. As above (3) 7. An Action of the Strategy is to review master plans every 10 years. Hartfield Park Master Plan was developed in 2010 and therefore is approaching a review. 8. Noted. 9. Noted.
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<p>3</p>	<ol style="list-style-type: none"> 1. The Bickley area contains large residential lots providing extensive tree cover, gardens, and private recreation areas. The Bickley residential area is also surrounded on all sides by extensive National Park, State forest, natural bushland reserves and large orchard and rural properties. 2. There is no requirement for additional POS within the residential area. 3. The existing POS areas provide nothing in terms of recreation, and are of no more value than privately owned vacant lots, and are generally unmaintained, or of a very low standard of maintenance. All contribute to the spread of weeds, and shelter to feral cats, foxes, rabbits and other vermin. 4. EXAMPLE 1 – Lots 1 & 35, cnr Palmateer & Lawnbrook: Does anyone even know these lots are reserves? Most people would simply assume that they are part of the road reserve, or in the case of Lot 1, that the land belongs to the neighbouring private property, as the landowners have made an access drive across the reserve, and even erected their own signage. They are opposite hundreds of hectares of the same, and serve no purpose. The only benefit is to the neighbouring property owners. 5. EXAMPLE 2 – Lot 72 – cnr Palmateer & Nairn: Effectively just a vacant bushland lot, across the road from hundreds of hectares of the same. Provides no function, has no purpose, if anything a fire risk. 6. EXAMPLE 3 – Lots 48 & 52 – First Avenue, opposite Nairn: More vacant bushland lots serving no purpose, adjacent to large rural lots and a larger bushland reserve. Also a massive fire risk as it provides continuous bushland up a slope directly into the residential area. Can at least one, if not both of these lots be sold or even given to the Adventist 	<ol style="list-style-type: none"> 1. Noted 2. The Strategy does note that the substantial amount of regional reserves and private open space in Bickley reduces the applicability of the 10% POS provision within this area. There is no specific actions relating to the need for additional POS in Bickley. 3. All but one reserve in Bickley has been identified as a Biodiversity Assets that requires further environmental assessment to determine their value. 4. Zoned Residential R5, therefore is outside the scope of the Strategy. 5. Zoned Residential R5, therefore is outside the scope of the Strategy. 6. Lot 52 is Second Avenue Reserve and has been classified as Biodiversity Asset due to its extensive amount of bushland. The reserve requires environmental assessment to determine its value. Lot 48 is zoned Special Rural and is outside the scope of the Strategy. 7. Lot 26 is First Avenue Reserve and has been classified as Biodiversity Asset due to its extensive amount of bushland. The reserve requires environmental assessment to determine its value. 8. Lots 31 and 32 is Lawnbrook Road Reserve. The Reserve is classified as a local park and rated C. The Strategy does not recommend any improvement but on-going maintenance will be required through the City's general operational duties. 9. No potential transfers have been identified for Bickley. 10. Noted.
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	<p>Primary School – at least they would maintain it and reduce the fire risk.</p> <p>7. EXAMPLE 4 – Lot 26 – cnr First Avenue & Lawnbrook: Another vacant bushland lots serving no purpose, adjacent to large rural lots and a larger bushland reserve. Also a massive fire risk as it provides continuous bushland up a slope directly into the residential area. Unmaintained, overgrown, contributes nothing to the area.</p> <p>8. EXAMPLE 5 – Lots 31 & 32 – Lawnbrook: Along with Lot 30, this comprises the only piece of POS that is maintained, although to a very low standard. The site generally though is overgrown and unkempt, and provides little or no benefit. The playground equipment was upgraded at the request of one landowner opposite knew how to achieve the outcome she desired, which was of benefit to her and very few others. The uncontrolled nature of the vegetation on the reserve means that the playground is usually covered in leaves and nuts, as is the footpath on Lawnbrook Road. Lack of shade cover for the playground now renders it unsuitable for use for much of the time. Most people in the immediate area with small children have purchased their own swing/slide sets, trampolines, cubby houses etc. for use within their own properties. The reserve is being used by adjoining landowners for access to Lawnbrook Road, and in the past has been used by them to store mulch, rubbish, and other items. It cannot be acceptable today from a safety and liability aspect that people are permitted to drive vehicles in a reserve that contains a children’s playground. For this reserve I would not mind Lot 30 retained, as long as it is upgraded and maintained to a higher standard.</p> <p>9. Support fully the disposal of all of the land parcels listed above, and the funds generated being used to improve and maintain the remaining reserves, including Alan Anderson</p>	
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	<p>Park – although it is in Walliston, it is still very close to the Bickley Residential area.</p> <p>10. Anticipate that the strongest objections to disposal will come mostly from owners adjoining these reserves. I do not think these should be given any weight as valid planning grounds as they are motivated primarily by self-interest. Vacant lots provide no benefit to the community, only to the owners lucky enough to be next to them, and there is a pattern of “privatizing” public land that should not be allowed to continue.</p>	
4 Dept. BCA	<p>1. While it is recognised that an audit and potential “transfer” of existing POS and LGA managed Crown reserves is warranted, caution needs to be given to those areas which contain biodiversity values. Provided DBCA is consulted where the reserves contain any native vegetation and are given appropriate environmental information (vegetation assessments etc.), the transfer of POS areas can be assessed individually. On assessment of the proposed POS transfers, with the exception of Cambridge Road reserve, they are all <0.37 ha so it is unlikely there will be issues due to the small size.</p> <p>2. Cambridge Road Reserve - The proposal to transfer a portion of this site should be investigated with consideration of known environmental values. Environmental assessments are required as the site has high likelihood of containing threatened flora and ecological communities, given its proximity to know values. DBCA should be consulted regarding any proposal to transfer and develop portions of the site. DBCA would support rehabilitation of degraded areas and retention of whole area as a conservation reserve.</p> <p>3. Table 3.1 should include State Planning Policy 2.8 – Bushland Policy for the Perth Metropolitan</p>	<p>1. Transfers will be required to go through a consultation process as per the consultation protocol in Appendix 13. Environmental assessments will be required during this period to determine the environmental values of the site.</p> <p>2. Cambridge Reserve will be required to undertake environment assessments and consultation if considered as part of the potential transfer process. Any future development of this reserve will require rezoning which will include consultation with relevant state government agencies. Only sections suitable for rezoning will be included in any transfer proposal.</p> <p>3. Noted, modified to be included in the Final Report.</p> <p>4. An action of the Strategy is identifying acquisition sites to increase POS, particularly sports space. This is required in the Foothills and Hills areas. Transfers will be required to demonstrate a community benefit. It is noted that the subdivision potential of properties within the Gooseberry Hill area is generally limited.</p> <p>5. The Structure Planning of these areas will consider POS to protect Biodiversity Assets. It is noted that this is the case in the Forrestfield North Structure Planning process thus far.</p>

	<ol style="list-style-type: none"> 4. Caution should be used in justifying the low percentage of POS by noting the occurrence of 'private open space' in areas such as Gooseberry Hill. This type of POS can be significantly reduced by any changes to residential density codes and the trend for high density living and smaller lot sizes. 5. With the development of a number of areas in the City as a result of existing or proposed MRS rezoning from Rural to Urban eg. North Forrestfield, Maida Vale, there is opportunity during the planning process to allocate appropriate POS to protect significant biodiversity assets including threatened flora and threatened ecological communities. 6. DBCA supports the Strategic Directions 1.1-1.6. 7. For those existing LGA managed Crown reserves with known high biodiversity values or recognised to have "Nature" as a function, consideration should be given to adding "Conservation" to the reserve purpose. 8. The mapping needs considerable review to improve accuracy:- <ol style="list-style-type: none"> a. Several areas have been identified as "regional parks" when this is not the case eg. Pioneer Park and Hartfield Park. It may be that these areas are P&R reserved but the terminology should be clarified. The only area of Regional Park within the Strategy area is Ray Owen Reserve in Lesmurdie which is part of Mundy Regional Park. The POS Classification mapping needs to be amended accordingly. b. Some areas mapped as POS reserves but they are in private ownership eg. Part of Forrestfield Reserve 11. The Bougainvillea Avenue site jointly managed by DBCA and Department of Primary Industries and 	<ol style="list-style-type: none"> 6. Noted. 7. Noted, this POS Strategy will be a useful information source on future consideration and recommendations to the Department of Lands on the reserve status of each City managed reserve. 8. Noted, <ol style="list-style-type: none"> a. Based on the Liveable Neighbourhoods and Department of Sport and Recreation classification these reserves are classified as Regional Reserves and are correctly referenced. b. Noted, Dawson Park mapping has been amended accordingly.
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	Regional Development should not be included as part of Dawson Park.	
5	<ol style="list-style-type: none"> 1. Surprised that Wordsworth Reserve was given a D rating, the lowest retention category. The rating should be much higher. 2. Friends Group formed 10 years ago and was given initial assistance from the City (then Shire). Initially only two marri trees and weeds. The weeds were removed. Sawdust pathways created and native tree plantings undertaken. Reporting to the City drifted away and were removed from the registration. Recently have been re-registered. 3. Noted that Gooseberry Hill has the lowest amount of POS to urban area. Despite the assessment that Gooseberry Hill has high amounts of private open space, this does not lead to a sense of cohesion and security. 4. Friends Group provides value of the social and recreational benefits. 5. Given Gooseberry Hill population is likely to exhibit an ageing structure, reduction of POS for passive or community recreation that is within easy walking distance would be regrettable. 6. It is hoped that the final version of the Strategy will have significantly positive ratings to small reserves supported by active Friends Groups. 7. There should be future policy consideration for the encouragement of community vegetable and fruit gardens. 8. Notwithstanding comments above, the overall perception of the Strategy is that it is a thoughtful, suitably analytical and well-presented document and warrants commendation accordingly. 	<ol style="list-style-type: none"> 1. Noted, final report modified to identify Wordsworth Reserve as a Biodiversity Asset. To determine its value, it requires a detailed environmental assessment. 2. Noted. 3. No POS in Gooseberry Hill is recommended as a potential transfer in the final Strategy. A key action of the Strategy is the identification of acquisition sites throughout the City, particularly for the provision of sports space. 4. An action of the Strategy is to actively support Friends Groups. 5. No POS in Gooseberry Hill is recommended as a potential transfer in the final Strategy. A key action of the Strategy is the identification of acquisition sites throughout the City, particularly for the provision of sports space. 6. The majority of reserves supported by Friends Groups are identified as Biodiversity Assets to be environmentally assessed and improved where appropriate. 7. The Strategy recommends that as part of POS improvements, community gardens are considered. 8. Noted.

<p>6</p>	<ol style="list-style-type: none"> 1. Submission lists blocks considers unsuitable for transfer cause of their environmental/biodiversity values. The list is not complete. Given the complexities of the Strategy, the reserves mentioned are a sample from the 21 listed. 2. Meeting with the Mayor, Executive Staff and Officers allayed original concerns of the draft. Particularly wary of any plan or strategy having the potential to threaten remaining areas of natural vegetation. 3. It is acknowledged the strategy is a planning, not environmental document, perhaps more input from the Parks and Environmental section could have reduced the number of 'transfer' category blocks. 4. Reserve 27721 Wordsworth Avenue, Gooseberry Hill. This reserve has been maintained by the neighbours and a Friends Group was formed and registered with the Reserves Coordinator. The group rehabilitated the major part of the reserve and established a community garden on the most degraded section. The rehabilitation effort was supported by the City. The rehabilitated area, providing a haven for Quenda and other wildlife, is a credit to that group and a justification for the assistance provided by City staff. The reserve is classified as a local park with recreation and nature function, yet is on the transfer list. 5. Reserve 37699 Holly Way West. Whilst not officially under the care of a Friends group, neighbours do look after this valuable link in a wildlife corridor. The almost unbroken tree canopy is an important part of this corridor. It serves as an adjunct to the nearby Mundy Regional Park, through the reserve K20, on the south side of Alpine Road at its south west end and as a link with Whistlepipe Gully, itself a significant wildlife corridor within Mundy Regional Park. The reserve is classified as 	<ol style="list-style-type: none"> 1. Responses provided to specific reserves below. 2. Noted. Any transfer process will require environmental assessment to determine its value. 3. The City's Parks and Environment team were consulted and had input into the Strategy. The team were given an opportunity to comment during the development of the draft. Comments were provided and a meeting was convened to discuss those comments. Comments and recommended changes were incorporated into the draft Strategy. 4. The final Strategy has been modified to classify Wordsworth Reserve as Biodiversity Asset for conservation purpose. Environmental Assessment will be required to determine its value and further improvements. It is no longer identified for transfer 5. The final Strategy has been modified to classify Holly Way West as Biodiversity Asset for conservation purpose. Environmental Assessment will be required to determine its value and further improvements. It is no longer identified for transfer 6. Berkshire Road Reserve is a vacant block of land with only weeds. The submission has mistaken the reserve for Tyler Mews Park which is classified as a Neighbourhood Park and is rated B. It has not been identified for transfer. 7. The improvement of these reserves may include environmental enhancement. This will be determined at the planning phase through more detailed investigation and analysis. 8. The final Strategy has been modified to classify Noel Road Reserve as Biodiversity Asset for conservation purpose. Environmental Assessment
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	<p>Local Park and provides recreation function, yet is on the transfer list.</p> <ol style="list-style-type: none"> 6. Berkshire Rd. Reserve (6). No function. Disappointing to see this so assigned. It is a natural east /west extension of Crumpet Creek 2 reserve and creek line wildlife corridor (11), Tyler Mews Park (34), linking to significant Nature areas of Dawson Park, Dawson Avenue Nature Reserve and Pioneer Park just to the west. 7. Initially appearing to be an environmental positive, isolated blocks such as Almond Way POS, (D rated) and Blackbutt Way Reserve (C rated), are listed for improvement. The positive aspect rapidly dissolves when it becomes apparent that the 'bigger picture' has not been recognised. The value of Blackbutt Way, Almond Way and Anderson Road Park, as biodiversity stepping stones from Mundy Regional Park (in the Whistlepipe Gully area) to Anderson Road Bushland (a Biodiversity Asset), has not been recognised. 8. Noel Road Reserve (9). Serves as part of a biodiversity corridor, linking bushland in the east via Wordsworth Reserve, Currawong Drive Reserve, Currawong POS, with Mundy Regional Park. 9. When reserves are proposed for transfer, NRPG will be making more detailed submissions, where appropriate. 10. Despite the statement that "the Environment Strategy and the Local Biodiversity Strategy (2008) will help inform the actions of the strategy relating to environmental protection" (Observations, p. 28), they are not listed as one of the "key planning documents the City uses in the development of POS." (pp. 12, 13). This should be rectified. 	<p>will be required to determine its value and further improvements. It is no longer identified for transfer.</p> <ol style="list-style-type: none"> 9. Noted. 10. The final Strategy has been modified accordingly. 11. The final Strategy has been modified accordingly. 12. To capture the whole suburb maps need to be at that scale. Large A1 maps can be provided at administration for viewing. Reserve numbers have been added in the final Strategy. 13. Reserve numbers have been added in the final Strategy. 14. The rating of reserves assesses all functions. Where a reserve has substantial amounts of vegetation and does not provide other functions it has been classified as a Biodiversity Asset due to its high biodiversity potential. These reserves will need proper environmental assessment to determine their value. 15. The rating of reserves assesses all functions. Where a reserve has substantial amounts of vegetation and does not provide other functions it has been classified as a Biodiversity Asset due to its high biodiversity potential. These reserves will need proper environmental assessment to determine their value. 16. The rating of reserves assesses all functions. Where a reserve has substantial amounts of vegetation and does not provide other functions it has been classified as a Biodiversity Asset due to its high biodiversity potential. These reserves will need proper environmental assessment to determine their value.
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	<p>11. 4.2 Observations. Care should be taken when linking “values the community hold” with the occurrence of Biodiversity Assets and parks, to ensure no offence is given and, to avoid giving encouragement to any divisive Hills, Foothills debate.</p> <p>12. Appendix 6. POS Rating –Mapping. Appendix 7. POS Classification – Mapping. Appendix 8. POS Function – Mapping. Whilst the rating information and numbering on the maps is very clear, one has to reduce the image to 25% to have both map and key on the screen, making reading reserve names very difficult. Having to use the document panning device is tiring and frustrating, yet this is the only way of linking the numbered reserves with their names. Reserves listed in the key box, have a map location number only. Neither a reserve number, nor a PIN number is given. Walliston Rural East is even worse, with a reduction to 10% required, at which point, the key is unreadable. Each map ‘key’ box is in a different place. Viewers have no idea of which way they must pan to view the key. This is extremely frustrating and, certainly not user-friendly. All the Mapping appendices have this problem which adds greatly to the workload of any resident making a submission. It would have been a great help if reserves listed for potential transfer on the mapping appendices, were identified, perhaps with an asterisk beside the number on the map.</p> <p>13. Appendix 10: POS Assessments. These tables give only the reserve name and the street address. A reserve number and pin number would help. Eight of the 21 reserves listed for ‘transfer’ are classified ‘Park’ and have a ‘function’ of ‘Nature’ or ‘recreation, nature’.</p>	<p>17. The rating of reserves assesses all functions. Where a reserve has substantial amounts of vegetation and does not provide other functions it has been classified as a Biodiversity Asset due to its high biodiversity potential. These reserves will need proper environmental assessment to determine their value.</p> <p>18. Assessment of environmental value had input from the Parks and Environment Team. The assessments are to provide a balance of all functions reserves provide. Where a reserve is classified as a Biodiversity Asset it requires proper environmental assessment to determine its value.</p> <p>19. The ecological community table has been amended to properly reflect what is assessed. It is a general assessment of the environmental value a reserve has, with proper environmental assessment required for Biodiversity Assets and reserves identified for potential transfer.</p> <p>20. Assessment of environmental value had input from the Parks and Environment Team. The assessments are to provide a balance of all functions reserves provide. Where a reserve is classified as a Biodiversity Asset it requires proper environmental assessment to determine its value.</p> <p>21. Reserve numbers have been added in the final Strategy.</p> <p>22. POS evaluation considers all functions of POS reserves.</p> <p>23. The two yearly review will be carried out at that point in time.</p> <p>24. The POS Strategy forms a component of the Local Planning Strategy and is considered a planning</p>
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	<p>14. 'Care and Maintenance'. This section has descriptions which appear totally inappropriate for assessing the score and the rating of blocks categorised as Local Parks with functions of 'Nature' or 'Recreation, Nature.'</p> <p>15. The 'Well Maintained' section contains descriptors more applicable to manicured parklands and ovals than to naturally-vegetated reserves.</p> <p>16. The 'Aesthetic Value' table, likewise, whilst having some valid function, fails to recognise the benefit of such "unappealing" reserves, to the biodiversity values of that and other nearby reserves.</p> <p>17. The 'Reticulation Present' section beggars belief. The highest rating of 5 would be the antithesis of a functional, sustainable nature reserve.</p> <p>18. Environment Value'. The 'Vegetation' table appears to be obsessed with the shape of a reserve. Whilst acknowledging the concept of an 'ideal' shape for preserving the integrity of areas of natural vegetation and, accepting the problems presented by areas having an 'exposed perimeter', NRPG insists such areas still provide valuable linkages with other, more sustainable natural areas. This is not reflected in the table. Whilst the difficulty in maintaining intact, the biodiversity of such areas is obvious and, as a result, the ranking must suffer, this is a management factor, which should not be used to downgrade the reserve. We doubt the birds, animals and insects using the corridor, pay much attention to its shape, being interested purely in its function.</p> <p>19. The 'Ecological Community' table. Whilst this draft is a planning document, this is perhaps the most unsettling table in the Assessment Matrix. In producing this draft, who made the assessment of these ecological</p>	<p>document. More specific environmental planning elements are addressed in the Environmental Planning Strategy. The POS Strategy is guided by the Local Planning Manual, Liveable Neighbourhoods and POS Classification systems. Regional Reserves are outside of this scope and are captured in State Planning Strategies and Policies.</p> <p>25. The final Strategy identifies that Biodiversity Asset assessments be carried out in the short term (1-3 years) by the City.</p> <p>26. The Strategy considers all types of POS serving different functions. Those considered to primarily serve as a conservation reserve have been identified as Biodiversity Assets to determine their value and improvements required.</p> <p>27. Transfer sites must go through the consultation protocol and environmental assessment to determine impact and community benefit. The impact on the environment is taken into consideration during this process with only the suitable portions of these reserves being identified for transfer purposes.</p> <p>28. Habitat, biodiversity, linkage and wildlife corridors are considered to be captured by health benefits. Actions of the strategy aim to enhance the environmental values of reserves.</p> <p>29. During the consultation process the value of transfer sites was considered and some have been taken off that list due to the valuable feedback from the community.</p> <p>30. The impact on the environment will be considered as part of any transfer process. Actions of the</p>
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	<p>communities, on which these ratings are based? Was a suitably qualified City officer given this task? At what time of the year was such an assessment carried out?</p> <p>20. For Planners, looking to rationalise the City assets, an Appendix 10 red 'D' rating, based on inappropriate descriptors, may ensure the reserve is placed on the 'Transfer' list. The fact there are 26 reserves for which the action is, "improve", is encouraging. However, for this to be meaningful, it must lead to on-ground action, which will in turn, require resources to be made available in the budget, before any improvements can be made.</p> <p>21. Appendix 12: Whilst naming each reserve, this appendix does not provide a reserve number. This is the number by which residents will identify a reserve.</p> <p>22. POS Evaluation. This section defines the aim of the POS evaluation process as including the criterion of "environmental value". From the blocks selected for transfer, it is obvious that the value of the selected blocks has not included the points we have mentioned.</p> <p>23. Appendix 13: Consultation Protocol. This appendix lists the process to be followed to ensure residents are aware of the proposals made in the Strategy. If carried out to the letter, this will ensure residents have an opportunity to 'defend' individual blocks against transfer. The 'Method' at number 8 states that the protocol is to be reviewed "every two years and when the strategy is reviewed". Is the two yearly review being carried out and, has this current draft reviewed this protocol?</p> <p>24. 'Public Open Space Strategy', is an extremely misleading title, given the following exclusions:</p> <ul style="list-style-type: none"> • Regional Open Space, land zoned as Parks and Recreation (P&R) under the LPS. 	<p>strategy aim to enhance the environmental values of reserves.</p> <p>31. The POS Strategy forms a component of the Local Planning Strategy and is considered a planning document. More specific environmental planning elements are addressed in the Environmental Planning Strategy. The POS Strategy is guided by the Local Planning Manual, Liveable Neighbourhoods and POS Classification systems.</p> <p>32. The City's Parks and Environment team were consulted and had input into the Strategy. The team were given an opportunity to comment during the development of the draft. Comments were provided and a meeting was convened to discuss those comments. Comments and recommended changes were incorporated into the draft Strategy.</p>
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	<ul style="list-style-type: none"> • Land identified for the purpose of conservation by the LPS 3 and Bush Forever sites. • Whilst the small parks which are classified as Local Open Space are included in the classification, they are not part of the Dept. of Sport and Recreation Guidelines. • Biodiversity Assets - Local Reserves, zoned as Local Open Space under LPS 3 identified by the Strategy for environmental protection purposes. NOT Bush Forever or P&R reserves. Whilst the small parks which are classified as Local Open Space are included in the classification, they are not part of the Dept. of Sport and Recreation Guidelines. <p>25. Unfortunately, "The reserves deemed as Biodiversity Assets are flagged for future environmental assessment to determine their value". Carried out diligently, this assessment will be a lengthy process. Since no timeframe is given for this, when will that assessment take place and, by whom will it be conducted?</p> <p>26. Given these exclusions and our reservations over the Strategy shortcomings, how can the City effectively assess the 'values' of an individual reserve? The assessment, and subsequent 'rating' is done with no consideration of that reserve's relationship to the excluded areas of public open space, to biodiversity linkages, wildlife corridors or to greenways. With such exclusions, this Strategy cannot achieve its stated Purpose and Goal given the constraints of the 2012 Department of Sport and Recreation Guidelines. There must be a better way of assessment.</p> <p>27. POS is acknowledged as being important for its ability to reduce the Heat Island effect, universally acknowledged by Local Governments. Developing these small areas of POS containing vegetation (degraded or not), will do nothing to reduce the heat island effect for</p>	
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	<p>that locality. If the 'transfer' involves sale, and the construction of a dwelling on the block, the heat island effect will be greater for that neighbourhood.</p> <p>28. "The primary role of POS is to support health, recreation, leisure and environmental functions." These environmental functions – including habitat, biodiversity, linkage and wildlife corridor 'functions', are the foundations for the health of the community and, as such, should be given the highest priority.</p> <p>29. We need the value of some of the reserves, currently listed for transfer, to be acknowledged by the City. The value of degraded, "unappealing" vegetated reserves must be recognised. Given sufficient initial acknowledgement of these values, several of the 21 blocks would not have appeared on the list of potential transfers.</p> <p>30. Given the foothills have so much less green space (nature areas) suggests that, to retain the biodiversity values remaining, ALL areas of remnant vegetation should be retained and given the highest priority. Once these areas fall below a 'critical mass', the remnants will no longer survive and their biodiversity values will be lost.</p> <p>31. It is disappointing to have the Department of Sport and Recreation, together with the Planning Institute of Australia WA, advising local government through the Public Planning and Design Guide WA and State Public Parklands Strategy.</p> <p>32. Within the City of Kalamunda, Planning and Environment Departments seem to be worlds apart. The Planning section is charged with reviewing its Public Open Space Strategy at designated times. From the list of 21 lots considered for 'transfer', we can only assume</p>	
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	<p>there was little, if any input from the City's Environment section and, that the process of "consultation with internal departments" (1.7.1, p.8.), failed. If this is so, future reviews of this strategy need to ensure this failure is not repeated.</p>	
<p>7. Kalamunda Environmental Advisory Committee (Submission received 18/04/18)</p>	<ol style="list-style-type: none"> 1. Support in Principle the purpose, goal and scope of the draft POS Strategy and agree that the objectives so far as documented are appropriate and balanced. 2. Noted that the initial community input via survey and workshops gave the highest relative priority to nature/trees/shade/wildlife values in the City's Reserves. The first objective – protecting environmentally significant areas from development – is consistent with this. 3. There is a theme through the community engagement report, although based on limited number of responses, of desiring more opportunity to enjoy and play in natural areas, while disliking lack of trees. Addressing the ongoing loss of vegetation and protection of tree cover are high priority KEAC business, discussed earlier and written into our work plan for 2018 and 2019. 4. Noted that many reserves were set aside as Biodiversity Assets, mainly for a nature space purpose, flagging that an assessment of environmental value might be done. It is pointed out that a prioritisation matrix that scored reserves for ecological viability does exist, appended in the Local Biodiversity Strategy 2008 and drawing on recognised methodology. There is an opportunity to update this matrix using contemporary methodology that meets the POS Strategy's requirement for future environmental assessment. 5. Noted that the Strategy is to be a 'planning document' that informs decisions as the opportunity arises to rationalise reserves for transfer to public open space or other uses while 	<ol style="list-style-type: none"> 1. Noted 2. Noted 3. Noted 4. Modifications have been made to ensure the assessment process for Biodiversity Assets will consider the assessment matrix in the Local Biodiversity Strategy 2008. 5. The assessment criteria for POS are to provide a balanced appraisal of all functions reserves provide. Where a reserve is classified as a Biodiversity Asset it requires expert environmental assessment to determine its value. Modifications have been made to ensure that reserves identified for potential transfer are required to have an environmental assessment undertaken. These environmental assessments will consider aspects such as connectivity, wildlife corridors and refuges. The community expressed concern with the transfer of a number of reserves due to their environmental value, as a result the final Strategy removed 6 reserves from the potential transfer list. The Strategy has also been modified to add a Strategic Direction to assist and advocate for Friends Groups at reserves. 6. Community consultation was undertaken to gather the opinions on the Strategy. Concerns regarding transfers were considered and as a result 6 reserves were

	<p>improving overall amenity. Twenty-one reserves have been identified for first consideration. There are real concerns with the assessment criteria for environmental value in this process. The Three criteria – vegetation abundance, ecological community and streetscapes are applied to each reserve in isolation. This is a significant methodological weakness. Environmental value of reserves should also reflect their connectivity to other areas, providing for wildlife corridors and refuges, and limiting exposure to degradation forces at their boundaries. Their representation of specific ecological communities or vegetation complexes and their current or potential care and use by community 'friends groups' should be considered.</p> <p>6. The City has a history of community conflict over the identification and potential transfer of reserves or other uses, including for residential aged care. It's unfortunate that well-meaning community members and representatives find themselves on opposite sides of these conflicts, where it may be avoided.</p> <p>7. Propose that the environmental assessment flagged in the Strategy is brought forward as an urgent matter. This can be done by updating the methodology for ecological scoring of reserves as done in the Local Biodiversity Strategy, and applying further specialist on-site survey and assessment, with the methodology reviewed and agreed by KEAC. This could be applied first to the reserves listed for potential transfer, then all Biodiversity Assets. An updated matrix would inform and assist future planning decisions affecting reserves and refine the prioritisation of nature spaces under the Strategy. It would underpin the planned review of the Local Biodiversity Strategy itself, which is flagged in Kalamunda Advancing – Strategic Community Plan 2017-2022 and is now in KEAC's work plan.</p>	<p>removed from the potential transfer investigation list. Any proposed transfer will require comprehensive community engagement and detailed environmental assessment as outlined in the Strategy.</p> <p>7. The environmental assessment of Biodiversity Assets is identified as an action to be attended to in the short term (1-3 years). The assessment process for Biodiversity Assets will consider the assessment matrix in the Local Biodiversity Strategy 2008. It is noted that the City will also be undertaking a review to the Local Biodiversity Strategy 2008 in the coming financial year.</p> <p>8. Noted with modifications .</p>
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	8. In summary there is an opportunity to strengthen the Strategy and mitigate, at least to some extent, the contention over transfer of specific reserves, through promoting an updated ecological viability assessment to replace the environmental value criteria in the Strategy and prioritise Biodiversity Assets for further protection and management.	
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Public Open Space Strategy - Schedule of Modifications

Section / Page	Description of Modification
1.1	Minor changes to the introduction to make reference to statutory and strategic planning level.
1.2	Aligning the goal with the strategic community plan. Modifying the goal to include leadership and recreational, social and cultural needs. 'This Strategy builds on the priorities of the City's Strategic Community Plan to look after and provide people with a healthy environment for social and cultural enjoyment, deliver a sustainable natural environment, and lead the way in transparent governance. The Strategy has the following overarching goal:'
1.3	Add the following objective: 'To provide a resource that assists the City in decision making at all stages of the strategic and statutory planning process.'
	Following consideration at Council Briefing 8 May 2018, amended the third objective to read as follows (change bolded): Optimise the use of the City's resources to achieve effective and efficient POS outcomes, by prioritising the delivery of high quality POS over quantity.
1.6.1	Added a section on POS Contributions and Cash in Lieu through subdivision.
1.6.2	Following consideration at Council Briefing 8 May 2018, modified Point 5 to read as follows (change bolded): 5 Subject to Council endorsement of the project through resolution, if the proposed excision portion of the public open space reserve provides a benefit for the community and promotes sustainability objectives, the disposal will be advertised for a minimum period of 30 days as follows: <ul style="list-style-type: none"> ○ A sign is to be erected on the site. ○ A notice is to be placed in a local newspaper. ○ Letters are to be sent to nearby landowners. ○ Liaison is to occur with identified local community and interest groups. ○ Referral is to be made to the Department of Land Information, Department of Planning and other relevant servicing authorities for comment. ○ A notice is to be placed on the City's notice boards and the City's website.

1.7.1	Introduction added to Consultation process.
2.0	Amended the demographic information to align with new 2016 census data released late 2017
2.0	Highlighted the 'key findings' by providing a green background.
3.1	Added the Planning and Development Act 2005 and State Planning Policy 2.8: Bushland Policy for the Perth Metropolitan Region to the list of relevant state policies
4.1	Refined the sports space calculation method to align with more recent research conducted
4.4 and Appendices 6-9	<p>The following reserves had changes made due to community consultation and additional information provided:</p> <ul style="list-style-type: none"> Cambridge Reserve (Forrestfield) amended classification from No Classification to Neighbourhood Park. Added Recreation Function. Wordsworth Reserve (Gooseberry Hill) amended classification from Local Park to Biodiversity Asset. Amended rating from D to Biodiversity Asset. Amended function from No Function to Nature. Petunia Street Reserve 1 (Kalamunda) amended classification from No Classification to Biodiversity Asset. Amended rating from D to Biodiversity Asset. Amended Function from No Function to Biodiversity Asset. Pauline Avenue Reserve (Kalamunda) amended classification from Local Park to Biodiversity Asset. Amended rating from D to Biodiversity Asset. Noel Road Reserve (Gooseberry Hill) amended classification from Local Park to Biodiversity Asset. Amended rating from D to Biodiversity Asset. Holly Way West (Kalamunda) amended classification from Local Park to Biodiversity Asset. Amended rating from D to Biodiversity Asset. <p>Results amended to align with the above changes.</p>
4.4	Amended the Sports Space calculations to align with revised calculation method
4.5	Added a section on Community Engagement outlining the key results from the community engagement process
4.5	Added commentary on drainage reserves
4.5	Added commentary on the key aspects that were evident at low quality reserves
4.5	Added commentary on sports space capacity at existing sports space reserves
4.5	Added commentary on casual sports space infrastructure such as basketball half-courts and standalone soccer goals
4.5	Added recommendations on the timing of sports space acquisitions and improvements
4.5	Added further commentary on Biodiversity Assets and the protection of natural assets
4.5	Added commentary on the importance of Friends Groups
5.0	Added timeframes to all strategic direction and actions
5.0	Added responsible department to each strategic direction and action
5.0	Added the following Strategic Directions and Actions:

	Ensure any lost native vegetation is replaced.	Where the removal of native vegetation at a POS reserve is proposed due to improvements or transfer, 'significant trees' removed are to be replaced by three times the number of 'advanced trees' either at the reserve, reserve in the locality or a reserve which has an improvement project to be undertaken within 12 months of the tree removal.
	Assist and advocate for Friends Groups at POS reserves.	Provide resources and assistance to existing Friends Groups to enhance the environmental integrity of reserves. Actively advocate via social media platforms, City's website and print media for Friends Groups to form at POS reserves which do not have an existing Friends Group.
	The City to develop master plans for Neighbourhood, District and Regional Level reserves identified in this Strategy and Community Facilities Plan as funding and resources allow.	Any Master Planning / Community Facilities Plan in the Foothills to consider incorporating a swimming pool / aquatic centre. In particular a review of the Hartfield Park Master Plan as the most appropriate location.
	Identify opportunities to create formal and attractive key strategic links between POS and Regional Reserves and popular destinations and links.	A project specific brief is to be prepared to create attractive, formal and easily identifiable and traversable links between Stirk Park and the following key strategic destinations and links: <ul style="list-style-type: none"> • Zig Zag • Bibbulmun Track • Old Railway Heritage Trail • Kalamunda District Activity Centre <p>It is noted that work has already been completed to link the Kalamunda District Activity Centre with the Bibbulmun Track. The Kalamunda Activity Centre Plan which work has already commenced, to investigate opportunities for linking all the sites.</p>
		A project specific brief is to be prepared to create attractive, formal and easily identifiable and traversable links between Woodlupine Brook Reserve, Magnolia Way Reserve and the Forrestfield District Centre.

		It is noted that work has already begun on Woodlupine Brook. The Forrestfield District Activity Centre Plan which is due to commence in the 2018/19 financial year will investigate further opportunities for linking all the sites.
5.0	<p>Following consideration at Council Briefing 8 May 2018:</p> <p>Amended Strategy 2.6 to incorporate an increase in the quality of POS reservations, as follows: 2.6 The City, as funding and resources permit increase the quality of POS for community benefit through an increase in the number of 'A' grade reservations</p> <p>Amended Action 2.6.1 to incorporate an increase in the number of 'A' grade reservations, as follows: 2.6.1 Utilising the Strategy as an overarching authority, project specific briefs for the improvement of low grade and strategic POS sites should be prepared and undertaken to with aim to increase the number of 'A' grade reservations (identified in Appendix 12).</p>	
	<p>Following consideration at Council Briefing 8 May 2018:</p> <p>Added the following Action 2.6.3: 2.6.3 By 2023 the City is to undertake an audit of POS Reserves improved in response to Actions 2.6.1 and 2.6.2.</p>	
Appendix 1	<p>Added the following Definitions:</p> <ul style="list-style-type: none"> • Significant Tree • Advanced Tree • Total Sports Reserve Area Required • Sports Playing Space • Sports Buffer 	
Appendix 2	Amended the demographic information to align with new 2016 census data released late 2017	
Appendix 3	Amended the demographic information to align with new 2016 census data released late 2017	
Appendix 5	Amended sports space calculations to align with revised methodology	
Appendix 6	Revised mapping to align with changes noted in Section 4.4	
Appendix 7	Revised mapping to align with changes noted in Section 4.4	
Appendix 8	Revised mapping to align with changes noted in Section 4.4	
Appendix 9	Revised mapping to align with changes noted in Section 4.4	
Appendix 10	Following consideration at Council Briefing 8 May 2018, Included a note for "Nangkita Way Reserve 1" and "Nangkita Way Reserve 2" to clarify that these reserves are actually located on Nangkita Road.	

Appendix 11	Revised the Environmental Value assessment rating descriptions to align better with the assessment undertaken.
Appendix 12	Added Priority Levels for reserves identified for improvement
Appendix 12	Added the following reserves to the list of potential transfers: <ul style="list-style-type: none"> • Almond Way POS (Forrestfield) • Peter Annus Park (High Wycombe) • Swan Road Reserve (High Wycombe)
Appendix 12	Removed the following reserves from the list of potential transfers: <ul style="list-style-type: none"> • Noel Road Reserve (Gooseberry Hill) • Wordsworth Reserve (Gooseberry Hill) • Adelaide Street Reserve (High Wycombe) • Holly Way West (Kalamunda) • Pauline Avenue Reserve (Kalamunda) • Petunia Street Reserve 1 (Kalamunda)
Appendix 12	Added the following reserves for improvements: <ul style="list-style-type: none"> • Dawson Park (Forrestfield) • Hale Road Easement (Forrestfield) • Emms Reserve (High Wycombe) • Rangeview Park (High Wycombe) • Mario Court (Lesmurdie) • Davies Park (Maida Vale)
Appendix 13	Remove following reserves from improvements: <ul style="list-style-type: none"> • Norma Street Reserve (Walliston)
Appendix 13	Amended the POS percentage calculations to align with reserves added or removed from potential transfer list
Appendix 14	Added Community Engagement Outcomes Report as an Appendix
Appendix 15	Added more recent sports space research to the references



city of kalamunda

Public Open Space Strategy
Prepared by City of Kalamunda
July 2017



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1.0 INTRODUCTION

The City of Kalamunda (the City) recognises that there are significant social, health, environmental and economic benefits in providing appropriately located, functional and attractive Public Open Space (POS) to the community. These spaces are pivotal in influencing suburbs to become communities by implementing positive lifestyle and recreation opportunities, venues, events and programs and active sporting pursuits. The City has developed this Public Open Space Strategy (the Strategy) to ensure the future protection, provision and management of valuable POS sites to meet the ongoing needs of the community. The Strategy, through its framework of recommendations and guidelines, manages and informs POS planning within the City from a strategic level. The implementation of the Strategy's recommendations will improve POS provision for the existing and future communities in the City.

1.1 PURPOSE

The Strategy will ensure that POS is delivered to optimise community benefit by providing direction to guide the future provision, enhancement and management of POS. The Strategy will ensure that POS is utilised to its maximum potential to deliver maximum benefit to the community. The Strategy will provide a local interpretation of the Western Australian Planning Commission (WAPC) Liveable Neighbourhoods policy by generating a sense of community and strong local identity, and providing an integrated approach to the design and provision of POS. The Strategy will guide Council, its officers and applicants when considering the planning for POS in future and existing development areas through statutory and strategic planning processes.

1.2 GOAL

The City of Kalamunda will have a network of fit for purpose parkland that protects our natural resources and meets community need.

1.3 OBJECTIVES

The objectives of the Strategy are to:

- Protect environmentally significant areas from encroaching development.
- Optimise the use of the City's resources to achieve effective and efficient POS outcomes.
- Ensure POS is safe for all members of the community.
- Provide high levels of access both within and to POS.
- Provide the community with health, recreational, organised sport and social opportunities.

1.4 CLASSIFICATION OF PUBLIC OPEN SPACE

State land used or intended for public use, access or ecological value is classified as POS. POS may be utilised for the purpose of recreation, sporting facilities, community development, leisure functions, social gatherings, events, tourism, conservation and public amenity. POS is important for various reasons including; environment protection, mitigation of the urban heat island effect, public health, heritage value, influencing crime reduction and creating an attractive community with opportunities for social gathering and interaction to develop an identifiable sense of place. The City believes that a variety of POS should be provided to meet the diverse requirements of the community. POS can be divided into the following classifications as per the Department of Sport and Recreation (DSR) Classification Framework for Public Open Space (2012):

Local Open Space (LOS)	Small parks that service the recreation needs of the immediate residential population. Typically less than 1ha.
Neighbourhood Open Space (NOS)	Serves as the recreational and social focus of a community. Residents are attracted by the variety of features and facilities and opportunities to socialise. Typically 1-5ha.
District Open Space (DOS)	Principally designed to provide for organised formal sport. DOS will very likely include substantial recreation space and some nature space. Typically 5-15+ha.
Regional Open Space (ROS)	May accommodate important recreation and organised sport spaces as well as significant conservation and/or environmental features. These reserves will be zoned as Parks and Recreation under the Metropolitan Region Scheme (MRS). Size is variable and dependant on function. When sporting space is identified as a necessary regional function, allocations for playing fields and sports facilities should be 20+ha in area. The City comprises Korung and Kalamunda National Park, extensive areas of State Forest (Numbers 7, 22 and 54), Mundy Regional Park and Bush Forever sites identified by the MRS which are not affected by this Strategy. The City also comprises Maida Vale Recreation Reserve, Ray Owen Reserve and Hartfield Park which serve multiple functions and have been included as part of this Strategy. Pioneer Park was previously multi-functional and now has limited use and access, requiring investigation into its future. ROS is not included in POS calculations.
Biodiversity Asset *Not part of DSR Guidelines	Local reserves zoned as Local Open Space under Local Planning Scheme No. 3 (LPS3) that have been identified by the Strategy for environmental protection purposes. Reserves serve primarily a nature space purpose.

POS function can be identified by the three primary types of open space as per DSR Classification Framework for Public Open Space (2012):

Recreation Spaces	Recreation spaces provide a setting for informal play and physical activity, relaxation and social interaction.
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Sport Spaces	Sport spaces provide a setting for formal structured sporting activities.
Nature Spaces	Nature spaces provide a setting where people can enjoy nearby nature and protect local biodiversity and natural area values.

Refer to Appendix 1 – Glossary for more detailed definitions of the functions as per DSR Classification Framework for Public Open Space (2012).

1.5 VALUE OF PUBLIC OPEN SPACE

POS provides a combination of social, economic and environmental benefits to a local community. POS is a vital element in creating positive lifestyle opportunities and connected communities. The primary role of POS is to support health, recreation, leisure and environmental functions. These functions include providing pedestrian links to schools, shops and public transport, in addition to sport, recreation and nature based uses. Sport uses encompass any form of organised sport; recreation uses comprise of various forms of casual exercise such as running and walking, children's play and social activities; whilst nature uses may include areas set aside for conservation or reserves with natural vegetation that provides a setting to enjoy the amenity that nature provides. POS has the ability to generate a sense of place and adds character to a neighbourhood.

POS serves a vital role for environmental protection, through habitat and biodiversity conservation, and air and water quality management. It also allows people who live in highly urbanised environments to have a connection with nature and its high value for natural beauty, contribution to community identity, cultural heritage value, tourism potential and ecological importance.

1.6 USE OF THE STRATEGY

The Strategy establishes strategic guidance for POS within the City which will provide an integral reference document for the City's officers; particularly those involved in development services, asset services and community services. The Strategy will assist agencies, community groups, clubs, developers and individual residents to understand the City's direction in regards to strategic open space planning, development and management.

1.6.1 POTENTIAL TRANSFER OF POS

Noting that the Strategy acts as a guide to inform the potential transfer of POS, below are the requirements for the transfer of POS:

Local Government may, with the prior approval of the Minister for Lands and Department of Planning, transfer identified reserves into freehold land owned by the City and apply the proceeds from development or other activities to capital improvements to recreation reserves in the general locality.

Considerations / Requirements:

The City needs to ensure the following with regard to the proposed potential transfer of the reserves.

1. The potential transfer does not reduce the overall allocation of POS for the locality below 10%.
2. Clear benefit to the community, outside of any direct financial contribution, is to be established before a proposal seeking the sale of a portion of a reserve is advertised for public comment. Community consultation is required.
3. Maintenance of a reserve is not a relevant matter in assessing whether the proposed excision would have a clear benefit to the community.
4. If such a proposal does not provide a clear benefit to the community and/or does not promote sustainability objectives the request should not proceed.
5. If the proposed excision portion of the public open space reserve provides a benefit for the community and promotes sustainability objectives, the disposal will be advertised for a minimum period of 30 days as follows:
 - A sign is to be erected on the site.
 - A notice is to be placed in a local newspaper.
 - Letters are to be sent to nearby landowners.
 - Liaison is to occur with identified local community and interest groups.
 - Referral is to be made to the Department of Land Information, Department of Planning and other relevant servicing authorities for comment.
 - A notice is to be placed on the City's notice boards and the City's website.
6. Apply the proceeds to capital improvements to other recreation reserves in the general locality.

1.7 TARGETED STAKEHOLDER CONSULTATION

The City manages POS on behalf of the community and therefore is committed to engaging with the public through all stages of the Strategy through comprehensive consultation. Further to this, the City will promote the community's right to access quality POS through consultation with relevant stakeholders.

Recreation Bodies	Department of Local Government, Sport and Cultural Industries (DLGSC)
Planning Bodies	Department of Planning, Lands and Heritage (DPLH)
Environmental Bodies	Department of Biodiversity, Conservation and Attractions (DBCA) Office of Environment Protection Authority (OEPA) Department of Water and Environmental Regulation (DWER)
Community	Members of the public Clubs Local Community Organisations

1.7.1 CONSULTATION PROCESS

1.	Prepare Draft POS Strategy
2.	Consultation with internal departments: <ul style="list-style-type: none"> • Parks and Environment • Assets • Community Development • Approval Services • Environmental Health • Economic, Land and Property Services
3.	Findings and Outcomes Report
4.	Prepare Final Draft POS Strategy
5.	Present Final Draft POS Strategy to Council for Public Advertising
6.	Community Consultation with public and clubs/organisations <ul style="list-style-type: none"> • Workshops • Website/Online Survey • Information Sessions
7.	Findings and Outcomes Report
8.	Modify Final Draft POS Strategy and present to Council for final adoption

See Appendix 13 for Consultation Protocol.

2.0 DEMOGRAPHIC ANALYSIS

The City has a range of residential developments ranging from established communities, suburbs that are undergoing urban renewal, rural areas and growth areas. The lot configuration and size of housing stock can be a key contributing factor to defining the demographics of a suburb. As a result, the demographic profile can be utilised to assess the demand and future planning direction for POS. It is important that the demographic of the City's suburbs are factored into the planning of POS so that the City can plan for the existing and future community. Different age groups utilise the various forms of POS in different ways depending on needs. Infill growth will utilise existing POS whilst also providing cash-in-lieu opportunities. Greenfield growth will need to provide its own 10% POS allocation in addition to utilising existing POS.

Demographic data obtained from Forecast. id (2016).

2.1 POPULATION

Forrestfield and High Wycombe currently provide the highest forecast population in addition to the highest residential densities, demonstrating a high demand for POS. Most of the City's population growth is expected to take place in the Foothills, whereas the Hills will see steady growth. The Foothills will account for 86% of the City's increased population over the next 20 years.

Over the next 20 years the areas with the greatest population increases will be Forrestfield and Maida Vale, whilst the Forrestfield North District Structure Plan Area will increase significantly from a small rural living based population to an urbanised district locality. Forrestfield North will account for 44% of the Foothills increased population and Forrestfield will account for 27% of the Foothills increased population. These areas over the next 20 years will have the greatest demand for future POS.

Not included in future population projections is Wattle Grove South and Maida Vale South, which have been identified for future growth. Both areas would be expected to have similar growth as that of Forrestfield North, transforming from a rural area to a highly urbanised locality.

All localities are predicted to rise in population by over 10% over the next 20 years except for High Wycombe at 9.15%, Gooseberry Hill at 2.41% and Lesmurdie at 0.22%. It should be noted that the majority of Forrestfield North resides in High Wycombe, which has been assessed independently and impacts upon High Wycombe's demographic information. Forrestfield North will be required to establish new POS for the future development area. Lesmurdie and Gooseberry Hill have very low predicted population growth and therefore may not demand the same level of additional POS as other localities based on population.

The Foothills localities have greater population densities and will continue to become denser, meaning smaller properties with less private open space and therefore requiring a greater demand for POS for residents. Kalamunda town centre is also expected to consolidate which may see greater demand for POS or greater utilisation of the current open space provided such as Stirk Park and Kostera Oval. This may require master planning for those sites. Kalamunda accounts for 73% of the Hills increased population.

Refer to Appendix 2 for detailed table.

Key findings:

- The Foothills will account for the majority of the City's population growth.
- Forrestfield and Maida Vale will account for the highest population growth.
- Kalamunda will experience the highest population growth in the hills.
- Forrestfield North, Maida Vale South and Wattle Grove South areas will grow from a small population into large district localities with POS provided in accordance with Liveable Neighbourhoods (i.e. 10% of the development area) and in response to existing site specific environmental constraints.
- Gooseberry Hill and Lesmurdie will experience limited population growth.

2.2 DWELLINGS

The forecast change in dwellings reflects that of the population change. The Foothills will experience the largest amount of new dwellings, as a result of new developments and urban renewal. In the Hills, Kalamunda will experience significant growth as a result of urban renewal mostly in close proximity to the town centre. The remainder of the Hills will experience limited growth mostly due to development constraints such as retaining environmental areas, building constraints due to the nature of the undulating rocky landscape, bushfire risk and maintaining the character and amenity of the area. The new development areas of the Foothills will require the provision of new open space in accordance with the policy framework of the WAPC, whilst those areas experiencing urban consolidation will require a review of the current open space and its effectiveness and whether upgrades are required or new open space areas need to be investigated and acquired through the use of cash-in-lieu and other funding mechanisms.

Refer to Appendix 3 for a detailed table.

Key findings:

- The Foothills will experience the largest development of new dwellings
- Growth in the Foothills will be a combination of greenfield growth and urban infill.
- The Hills growth will be mostly contributed from urban infill.
- Growth in the Hills is constrained by environmental areas, the landscape, bushfire risk and maintaining the area's character.

2.3 AGE DEMOGRAPHICS

The forecast age structure in the City between 2011 and 2036 is expected to see significant population increases in young families (ages 0-14 and 30-49) and the elderly (65+). Teenagers and young adults (15-29), and 'empty nesters' (50-64) will have a smaller rise in population. The Foothills and Hills differ in their forecasted age structure. The Hills are predicted to have their greatest rise in young families and the elderly. Whereas the Foothills will have a greater rise in older family groups (5-24 and 35-54) and the elderly. The Forrestfield North DSP area is predicted to have its greatest increase from young adults (20-39). However young families and empty nesters will also be well established in the area.

Different age groups generally have different requirements for the POS they utilise. Children, teenagers and young adults require the provision of DOS to provide sport and recreation space due to their higher involvement in organised sport and active recreation. DOS provides an important hub for activity, community identity and local pride. Furthermore it provides a venue

for children to learn and participate in outdoor activity and exercise (Middle, Tye, Costello, & Hedgcock, 2012). The older age brackets utilise recreation and nature space to a greater extent; for walking, leisure and their greater appreciation for attractive spaces. Suburbs expecting urban renewal with high population increases and a diverse demographic in the area will require multi-functional, accessible open spaces to meet the diverse needs of the community (City of Charles Sturt, n.d.).

Key findings:

- Young families and the elderly will account for significant amount of the population increase.
- Teenagers, young adults and empty nesters will have limited rise in population.
- The Hills will have the greatest population rise from young families and the elderly.
- The Foothills will have the greatest population rise from established families and the elderly.
- The Forrestfield North DSP area will have the greatest population contribution from young adults.
- Younger age groups tend to require the provision of active open space.
- Older age groups tend to require the provision of more passive open space.

2.4 ADDITIONAL DEMOGRAPHICS

Additional demographic factors that impact participation in recreation and health activities are income, employment and education levels. The Foothills have greater levels of low and moderate income earners, lower levels of education and higher levels of employment than Greater Perth. Whereas the Hills have greater levels of moderate and high income earners, greater levels of education and greater levels of employment than Greater Perth.

It is important to provide functional and accessible POS for a community that is expected to experience a high level of growth and/or has lower socio-economic indicators. POS provides access for social interaction, passive recreation and other productive uses. The benefits of POS can be greater with the above indicators as access to such activities and facilities is often not provided in their private space (Cohen, McKenzie, Williamson, Golinelli, 2007).

Key findings:

- Income, employment and education levels impact health and recreation participation.
- The Foothills have greater levels of low-moderate income earners, lower levels of education and higher levels of employment.
- The Hills have greater levels of moderate-high income earners, greater levels of education and greater levels of employment.
- Benefits of POS can be greater within areas of high level growth and lower socio-economic indicators.

3.0 POLICY CONTEXT

The City is guided by State Government strategies, policies and legislation that inform the provision and development of POS. In addition to this the City has a local planning framework.

3.1 STATE POLICY FRAMEWORK

State Planning Policy documents are critical documents for establishing the parameters for the development of POS. The following are important reference points:

Directions 2031	Guides the planning framework for accommodating significant urban growth in Perth through to 2031.
Liveable Neighbourhoods Operational Policy	Sets out the planning framework for achieving liveable communities. Of particular relevance is Element 4: Public Parkland which sets out the framework for achieving functional and well provisioned POS. The 10% POS provisions being one of the key components of the framework.
Perth and Peel @ 3.5 Million	Guides the planning framework for accommodating significant urban growth that predicts a Perth and Peel population of 3.5 million by 2050.
North-East Sub-Regional Structure Plan	The guiding planning framework for local government areas in the North-East metro area which includes the City and identified future urban growth areas. The document considers where social infrastructure will be required and the protection of important environmental assets.
Department of Sport & Recreation Public Parkland Planning & Design Guide	Guides the general design of POS.
Development Control Policy 2.3 - Public Open Space in Residential Areas	Sets out the policy framework requirements for public open space within a residential development.
Development Control Policy 5.3 - Use of Land Reserved for Parks and Recreation and Regional Open Space	Sets out the circumstances under which the Western Australian Planning Commission (the Commission) may approve the use and development of land reserved for Parks and Recreation and Regional Open Space for different purposes.
State Planning Policy 3.6 – Development Contributions for Infrastructure	This policy sets out the principles and considerations that apply to development contributions for the provision of infrastructure in new and established development areas.

3.2 CITY POLICY FRAMEWORK

Listed below are the key local planning documents the City utilises in the development of POS:

Local Planning Scheme No.3 (LPS3)	Sets out the planning framework and requirements for land use planning within the City. Identifies local reserves and ensures appropriate land uses in proximity of POS.
Local Planning Strategy 2010	Guides the strategic directions for future land use planning within the City. A new Local Planning Strategy 2017 is being prepared and is expected to be adopted 2018-19.
Local Planning Policy ENV 4 – Flood and Stream Management	Sets out the framework for permitting and encouraging a coordinated land and water management program so that

	passages of water are not obstructed and natural public water areas in the City are not destroyed.
Local Planning Strategy 2018	The POS Strategy will be a component of the Local Planning Strategy 2018 which will guide the strategic directions for future land use planning within the City from 2018 and beyond.

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4.0 POS EVALUATION

To determine the City's POS requirements, the City conducted a detailed evaluation of the current POS provision. The aim of the process was to evaluate each site in relation to the distribution, classification, functions, level of infrastructure and maintenance standard, functionality, usability, environmental value and accessibility. The evaluation was conducted in three stages; Land Identification, POS Audit and POS Assessment.

Stages	Criteria
Identification	Distribution
Audit	Classification
	Functions
Assessment	Location
	Usage Value
	Care and Maintenance
	Environmental Value

Identification

The POS provision is calculated as a percentage of Local Open Space zoned land or the land identified for the purpose of public recreation under LSP3 calculated as a percentage of the suburb's gross subdivisible area (calculation area). The calculation area accords with the guidelines of Element 4 of Liveable Neighbourhoods and consists of:

- Land zoned Urban by the Metropolitan Regional Scheme (MRS)
- Any additional land identified as Residential R5 or above by LPS3.

Land deducted from the calculated area consists of:

- Land not identified as Urban by the MRS (Appendix 1)
- Regional Open Space, Conservation Areas and Bush Forever (Appendix 1)
- Town Centres and Commercial Zoned land
- Regional Roads
- Transmission Corridors
- Drainage Reserves and Water Supply Purposes
- Schools
- Public Purpose Reserves (Appendix 1)
- Any additional land uses not identified as Residential or Local Open Space by the LPS3 (Appendix 1)

Liveable Neighbourhoods requires a minimum statutory contribution of 10 per cent of the gross subdivisible area (calculation area) to be POS. See Appendix 4 for suburb breakdown of POS provided.

Research by Middle, Tye and Middle (2011) recommends 6.5m² of sports space per resident to be provided within a suburb or district, or 1.4% subdivisible area for organised sport of new suburbs, plus an allowance of double the sports space for supporting infrastructure such as clubrooms, spectator areas, parking etc. See Appendix 5 for a suburb breakdown of sports space provided and future provision required. Note that these are guidelines and not a statutory provision.

Audit

The POS Audit identifies all of the City's POS reserves and the ROS reserves that serve multiple functions and are managed by the City. These reserves are classified into the following classifications:

- Local Open Space (LOS)
- Neighbourhood Open Space (NOS)
- District Open Space (DOS)
- Regional Open Space (ROS)
- Biodiversity Asset
- No Classification (Reserves that serve no function)

In addition to the classification, the reserves are identified by the following functions they serve:

- Recreation Spaces
- Sport Spaces
- Nature Spaces
- No Function (Reserves that do not provide any of the above functions)

Assessment

An assessment matrix (Appendix 11) was developed to assess each reserve for its level of infrastructure and maintenance standard, functionality, usability, environmental value and accessibility. The matrix is divided into the following categories:

- Location
- Usage Value
- Care and Maintenance
- Environmental Value

Each category has features which a reserve is assessed against allocating scores of 1-5. Each reserve is given an average score which in turn gives it a rating. The reserves deemed as Biodiversity Assets are not assessed against the assessment matrix as the matrix is not applicable and instead those reserves are flagged for future environmental assessment to determine their value.

The rating distribution is given as follows:

Average Score	Rating
4+	A
3 - <4	B
2 - <3	C
1 - <2	D

Refer to Appendix 10 for POS Assessments.

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4.1 RESULTS

4.1.1 FORRESTFIELD

- 63 hectares of POS provided at 11.12% of the urban area.
- Additional 7 hectares of POS provided above the 10% requirements.
- 17 Local Parks, 9 NOS, 2 ROS (Hartfield Park and Pioneer Park), 7 Biodiversity Assets, 3 parks with no classification.
- Utilising the calculations by Middle, Tye and Middle (2011), Forrestfield exceeds sports reserve requirements for 2017 (26.85ha) and future predicted 2036 requirements (33.57ha) – 47.74ha provided, however this area may need to compensate for under supply in adjacent areas (Wattle Grove and High Wycombe).
- D - 6 parks
- C – 14 parks
- B – 9 parks
- A – 1 park
- Forrestfield has a good distribution of POS to serve the community. The entire Forrestfield urban area is within 400m of POS.
- 67% of the POS assessed are either a C or D which will require significant resources to improve the quality of reserves in Forrestfield.
- Forrestfield has significant amounts of ROS within the urban area and outside the urban environment. These include reserves frequently utilised by the public for outdoor recreation, organised sport and conservation purposes. Reserves include Hartfield Park, Pioneer Park and Mundy Regional Park. It is noted that Pioneer Park previously served an organised sport space function, however that function has ceased and requires significant remediation to become a functioning sports space again. It currently is fenced off and has very limited access and use. Pioneer Park will require further investigation into its potential future use. Pioneer Park is not included as part of POS or sports space calculations.

4.1.2 FORRESTFIELD NORTH

- Forrestfield North DSP is a total of 264.1 hectares.
- The stages of the DSP which incorporate residential, mixed use and activity centre land uses is approximately 150 hectares.
- The DSP has Bush Forever along Poison Gully.
- The amount of POS required to achieve the 10% requirements will be less than 15 hectares. This is prior to taking into account Bush Forever and other deductions including the Activity Centre, commercial and community land uses within the Mixed Use Zone.
- It has been identified within Forrestfield North that there are large areas of environmental significance which will lead to POS being more recreation and nature space focussed.
- Given High Wycombe is below POS requirements, the Forrestfield North area which is within High Wycombe is likely to provide over the 10% POS requirements which will allow High Wycombe to achieve the 10% provision.
- Utilising the calculations by Middle, Tye and Middle (2011), Forrestfield North is predicted to require 12 hectares of sports reserve by 2036 (6.5m² per resident, plus double that space for infrastructure). Utilising the alternative method of 1.4% of subdivisible area, plus double that space for infrastructure the area required will be less than 6 hectares. Additionally Forrestfield North may have to provide for High Wycombe's shortfall in sports space. However, given the environmental constraints of Forrestfield North it may be difficult to provide the sports space required.
- A site on Brand Road which was previously a landfill site has been identified as a potential sports space. This site will require investigation into the costs associated with remediating the site to be a functioning sports space.

4.1.3 GOOSEBERRY HILL

- 8 hectares of POS provided at 2.39% of the urban area.
- Additional 27 hectares of POS required to achieve the 10% provisions.
- 3 LOS, 1 NOS, 11 Biodiversity Assets, 2 parks with no classification.
- Gooseberry Hills provides no sports space. Neighbouring suburb Maida Vale exceeds sports space requirements significantly, and Kalamunda is below sports space requirements.
- D – 4 parks
- C – 1 park
- B – 1 park
- Biodiversity Assets account for the majority of Gooseberry Hill's POS. 11 of Gooseberry Hill's 17 POS reserves are Biodiversity Assets.
- There are few reserves providing a recreation function or multiple functions in Gooseberry Hill. Only 4 of 17 reserves are LOS or NOS, with no DOS. A limited amount of the urban area is within 400m of one of these reserves.
- Gooseberry Hill urban area is made up of properties that are zoned either R5 or R10. Therefore, there is a significant amount of private open space provided, reducing the necessity of the POS 10% provision.
- The quality of LOS and NOS level parks is low.
- Gooseberry Hill has a significant amount of ROS which is largely utilised for recreation and nature space purposes, reducing the necessity of POS 10% provision. That includes Ledger Road Reserve and Gooseberry Hill National Park.
- Given the context of the suburb, meeting the 10% provision is not considered applicable. The focus should be on improving the quality of existing parks in Gooseberry Hill.

4.1.4 HIGH WYCOMBE

- 41 hectares of POS provided at 8.68% of the urban area.
- Additional 6 hectares required to meet 10% provisions.
- 17 LOS, 6 NOS, 1 DOS (Scott Reserve), 4 Biodiversity Assets, 4 parks with no classification.
- Utilising the calculations by Middle, Tye and Middle (2011), High Wycombe is below sports reserve requirements. 7.2ha is provided in lieu of the required 25.56ha for 2017 and 27.90ha for 2036. Neighbouring suburbs Forrestfield and Maida Vale exceed sport reserve requirements and future developments in Forrestfield North and Maida Vale South may account for the sports space shortfall.
- D – 5 parks
- C – 11 parks
- B – 10 parks
- A – 2 parks
- High Wycombe has a good distribution of POS. Almost the entire High Wycombe urban area is within 400m of POS.
- High Wycombe has a significant area of semi-rural land (Forrestfield North). As part of the Forrestfield North development it is expected that the 10% requirement for High Wycombe will be achieved by exceeding the 10% provision for the Forrestfield North development.
- 60% of POS assessed are either a C or D which will require significant attention to improving the quality of reserves in High Wycombe.
- There are two ROS areas located in High Wycombe, a Bush Forever Reserve to the north, and Poison Gully to the south which borders the Forrestfield North DSP Area. These parcels largely serve recreation and nature space purposes.

4.1.5 KALAMUNDA

- 36 hectares of POS provided at 5.80% of the urban area.
- Additional 26 hectares required to meet 10% provisions.
- 7 LOS, 2 DOS (Kostera Oval and Stirk Park), 21 Biodiversity Assets, 5 parks with no classification.
- Utilising the calculations by Middle, Tye and Middle (2011), Kalamunda is below sports space requirements for 2017, 7.7ha in lieu of 14.79ha, and predicted 2036 requirements, 17.73ha.
- D – 8parks
- C – 4 parks
- A – 2 parks
- Biodiversity Assets account for the majority of Kalamunda POS.
- LOS, NOS and DOS parks only capture a portion of the urban area within a 400m walkable catchment. When incorporating Biodiversity Assets, the majority of the urban area is captured.
- The quality of Local Parks/no classification is low.
- Kalamunda urban area has significant areas made up of blocks that are zoned either R5 or R10. Therefore, there is a significant amount of private open space provided, reducing the necessity of POS 10% provision in these areas.
- Within close proximity to the Town Centre the housing densities are higher and POS provided is much higher.
- Kalamunda has a significant amount of ROS which is largely utilised for recreation and nature space purposes, reducing the necessity of POS 10% provision. That includes Hedley Jorgensen Reserve and Mundy Regional Park.
- Given the context of the suburb, meeting the 10% provision is not considered applicable. However, given Kalamunda is significantly below sports space requirements, it will be the provision of sports space POS that needs to be rectified.

4.1.6 LESMURDIE

- 41 hectares of POS provided at 6.07% of the urban area.
- Additional 26 hectares of POS required to meet 10% provisions.
- 6 LOS, 5 NOS, 1 ROS Park (Ray Owen Reserve), 31 Biodiversity assets, 3 parks with no classification.
- Utilising the calculations by Middle, Tye and Middle (2011), Lesmurdie is below sports reserve requirements. 10ha provided in lieu of 17ha for 2017 and 2036.
- D – 4 parks
- C – 6 parks
- B – 4 parks
- A – 1 park
- LOS, NOS and ROS parks capture a large portion of the urban area within a 400m walkable catchment. When incorporating the Biodiversity Assets almost the entire urban area is captured.
- Lesmurdie urban area has significant areas made up of blocks that are zoned either R5 or R10. Therefore there is a significant amount of private open space provided, reducing the necessity of POS 10% provision in these areas
- Lesmurdie has a significant amount of ROS which includes Ray Owen Reserve used for the purpose of organised sport and nature space and Mundy Regional Park used for the purpose of recreation and nature space purposes, reducing the necessity of POS 10% provision.
- Given the context of the suburb, meeting the 10% provision is not considered applicable. However, given Lesmurdie is significantly below sports space requirements, it will be the provision of sports space POS that needs to be rectified.

4.1.7 MAIDA VALE

- 19 hectares of POS provided at 9.08% of the urban area.
- Additional 2 hectares of POS required to meet the 10% requirements.
- 5 LOS, 3 NOS, 1 ROS (Maida Vale Recreation Reserve), 8 Biodiversity Assets.
- Utilising the calculations by Middle, Tye and Middle (2011), Maida Vale exceeds sports space requirements for 2017 and future predicted 2036 requirements – 14.37ha provided.
- D – 1 park
- C – 4 parks
- B – 4 parks
- The entire Maida Vale urban area is within 400m of POS.
- Maida Vale has areas of low density where large amounts of private open space are provided.
- Maida Vale has an additional 9 hectares of POS outside the POS calculation area amongst its rural zoned lots.
- Regional Open Space is provided within Maida Vale in the form of Bush Forever for the purpose of conservation and Maida Vale Recreation Reserve for the purpose of organised sport and nature space purposes.
- Maida Vale South has been identified for future urban development and will need to provide 10% POS. Maida Vale's shortfall can be picked up through the development of Maida Vale South by exceeding the 10% provision. Maida Vale South may also be required to pick up the sports space shortfall of High Wycombe.

4.1.8 RURAL EAST-WALLISTON

- 2 hectares of POS provided at 6.33% of Bickley's urban area.
- 0 hectares of POS provided in Carmel's urban area.
- 3 hectares of POS provided at 4.31% of Walliston's urban area.
- 2 LOS, 1 DOS (George Spriggs Reserve), 10 Biodiversity Assets, 1 park with no classification.
- Utilising the calculations by Middle, Tye and Middle (2011), Rural East-Walliston region meets sports space requirements for 2017 and 2036.
- D – 1 park
- C – 2 parks
- B – 1 park
- Biodiversity Assets account for the majority of Rural East-Walliston POS.
- All urban within the Rural East suburbs is zoned R5 and either R5 or R10 in Walliston. The low density housing provides significant amounts of private open space. The majority of the Rural East suburbs are zoned rural and therefore doesn't require the provision of POS.
- Within the rural areas of Rural East-Walliston, Bickley has 3 hectares of POS, Carmel has 4 hectares of POS and Pickering Brook has 41 hectares of POS.
- There are large areas of ROS in the Rural East suburbs serving the purpose of outdoor recreation and nature space purposes, reducing the necessity of POS 10% provision. These parcels include Kalamunda National Park, Greenmount State Forest and Korung National Park.
- Given the context of the region, meeting the 10% provision is not considered applicable.

4.1.9 WATTLE GROVE

- 29 hectares of POS provided at 17.43% of the urban area.
- Additional 12 hectares provided above the 10% requirements.
- 7 LOS, 2 NOS, 4 Biodiversity Assets, 2 parks with no classification.
- Wattle Grove provides no sports reserves. 12.54ha required for 2017 and 14.46ha required for 2036. Neighbouring suburb Forrestfield exceeds sports space significantly.
- D – 2 parks
- C - 4 parks
- B – 5 parks
- The entire Wattle Grove urban area is within 400m of POS.
- Two Bush Forever parcels located within Wattle Grove, one being a portion of Hartfield Park used for nature space purposes.
- Additional 2 hectares of POS provided within Wattle Grove rural areas.
- Wattle Grove urban area is currently in the process of urban development and therefore areas of allocated POS are yet to be developed.
- Wattle Grove South has been identified for future urban development and will be required to meet the 10% provision. Given Wattle Grove provides no sports space and the Foothills will be below sports space requirements, this will be required to be picked up in the Wattle Grove South development.

4.2 OBSERVATIONS

- During the assessment process it was evident that the quality and functionality of the smaller local parks is generally quite low. In comparison most NOS, DOS and ROS parks are of a reasonable standard. The larger, multi-function reserves are more attractive to residents, have greater usage and are an easier maintenance asset than the dispersed low usage small local parks. In summary the focus going forward should be providing attractive multi-function POS and rationalising any small local parks.
- Of concern is the amount of reserves across the City that serve no functionality. These reserves have very limited conservation function, no aesthetic qualities and provide no recreation function, whether it is organised sport or casual recreation. These parks require further investigation as to whether they are worthy of retention, and if retained they require significant investment to improve. Refer to Appendix 12 for list of low quality and low function reserves. A Land Assessment Report was conducted by Hester Property Solutions in 2010 (Hester Land Assessment Report 2010), which assessed the City's assets for their value and subsequent recommendations. Many POS reserves were given recommendations for potential transfer or improvement. Many of the recommendations for potential transfer and improvement of reserves is reflected in the Hester Land Assessment Report 2010.
- There is a clear difference in the type of reserves servicing the Foothills in comparison to the Hills. The Foothills provide a lot of sport and recreation based reserves, whereas the Hills mostly consist of nature and recreation based reserves.
- Only Forrestfield and Wattle Grove achieve the 10% POS provision. These areas include relatively new developments which have incorporated going beyond the 10% requirement. Achieving the 10% is very difficult in the Hills suburbs and not entirely applicable considering the low density residential areas with large amounts of private open space, rural areas and significant areas of regional, state and national parks which provide recreation and conservation purposes. Although Maida Vale does not achieve the 10%, the future Maida Vale South urban area will fulfil the shortfall. Maida Vale also has Maida Vale Recreation Reserve which is regional open space and isn't included in the calculation, if this reserve which serves organised sport and conservation functions was included, the suburb achieves the 10% provision. As part of the Forrestfield North development, POS is likely to exceed the 10% allocation and will allow High Wycombe to achieve the 10% POS provision.
- Forrestfield, Maida Vale and Rural-East Walliston either achieve sports space requirements or exceed them. Kalamunda, Lesmurdie and High Wycombe are below provisions. Gooseberry Hill and Wattle Grove provide no sports space. The Foothills meet sports space requirements for 2017, however will be below those provisions by 2036. The Hills are below sports space requirements for 2017 and 2036. It should be taken into consideration that sports space serves the local, district and regional community. Therefore, the local, district and regional context should be taken into account. Noting that sports space requirements by Middle, Tye and Middle (2011) are guidelines and not statutory requirements, the Foothills are predicted to require 100ha of sports reserves by 2036, with 77ha currently allocated, an additional 23ha required over the next 20 years. The Darling Range Master Plan adopted by the City in 2013 concluded that an

additional 9.32ha would be required by 2031 utilising a different methodology, however also identified potentially between 13-26ha required using various methodologies including the one used by Middle, Tye and Middle (2011).

As part of the Forrestfield North development, sports space could be provided in order to allow High Wycombe to achieve sports space requirements. It should be noted that Forrestfield North has limited scope for sports space and will likely consist mostly of reserves serving a passive or conservation purpose. An old landfill site on Brand Road has been identified as a potential location for a sports reserve, the costs of remediation will have to be investigated to identify if this option is viable. Sports space for High Wycombe may have to be identified elsewhere. The future development of Maida Vale South has the potential to provide for the future sports space requirements. Given Wattle Grove's predicted high population rise over the next 20 years it should be investigated into how sports space can be provided in the area. This could be achieved through the development of Wattle Grove South. Pioneer Park in Forrestfield previously provided a sports space function, however was not remediated effectively. Given the requirement for more sports space in the City, further investigation into the remediation of Pioneer Park will be required to identify if this option is viable. Other options for acquisition are limited, with no vast areas available for sports space. Any vast areas have significant environmental value and are reserved as Parks and Recreation. Acquisition of large areas of residential or rural land is financially unviable. Cooperation with private and public schools to provide joint use community and recreation sporting facilities.

The Hills currently provide 25ha of sports reserves, with 46ha required for 2017 and 50ha predicted to be required by 2036, an additional 25ha, as per Middle, Tye and Middle (2011) guidelines. Given the context of the Hills; low density urban with significant areas of regional open space and limited capacity for development due to bushfire, environmental factors, geology, landscape and fragmented landownership, providing for an additional 25ha can be considered difficult to achieve. Any vast areas have significant environmental value and are reserved as Parks and Recreation. It may be required that one of these sites is investigated for a multi-purpose reserve. Acquisition of large areas of rural or residential land is financially unviable. The Foothills may have to compensate for the Hills limited sports space, Maida Vale's surplus of sports space for example can cater for Gooseberry Hill. Kalamunda and Lesmurdie will have to be catered for through the identification of an acquisition site, master planning of existing sports spaces to cater for higher capacities and collaboration with local private and public schools to provide joint use community and recreation sporting facilities.

- The following school sites and adjacent reserves may provide an opportunity for joint use community and recreation sporting facilities:

School/Reserve	Comments
Darling Range Sports College	The Darling Range Master Plan 2013 investigated the possibility for additional sports space at Darling Range Sports College, however found this option is limited. Currently has existing sports ground.
Matthew Gibney Catholic Primary School/Ollie Worrell Reserve	The school owns approximately half Ollie Worrell Reserve, with the rest owned by the City. Would be a small facility.

Lesmurdie High School	Has existing sports ground. Any expansion of sports space would impact upon natural vegetation on school site. Any significant expansion would require encroachment into adjacent reserve which is currently zoned as Parks & Recreation.
Mazenod College	Has two existing sports grounds. Potential of limited expansion of main sports ground. Mazenod have sports clubs which compete in district and regional junior competitions and also utilise Ray Owen Reserve.
Saint Brigid's College	Has two existing sports grounds. Limited ability for expansion. Would be a small facility. Lesmurdie Junior Football Club and St Brigid's junior sporting clubs use the sports grounds.
Gooseberry Hill Primary School/Ledger Road Reserve	Has existing sports ground. Opportunity for expansion at the adjacent Ledger Road Reserve which is zoned as Parks & Recreation. Ledger Road Reserve will need to be investigated for remediation required, particular closest to the school as it was a previous landfill site.
Falls Road Primary School/Fred Eversden Reserve	Has existing sports ground. Opportunity for expansion at adjacent Fred Eversden Reserve which has been classified as Neighbourhood Park. Reserve has significant natural vegetation, tennis courts and Men's Shed club.
Kalamunda Primary School/East Terrace Reserve	Has an existing sports ground. Opportunity for expansion at the adjacent East Terrace Reserve. East Terrace Reserve has significant native vegetation. Dealing with topography will be a significant challenge.

- As part of any sports space facility master planning of new or existing sites, the implementation of synthetic turf should be considered. Given the City's shortfall of sports space and increasing demand on existing sports space, grassed reserves will be heavily impacted by increased use, requiring increased maintenance and further costs to maintain. In addition to this, grassed reserves require significant amounts of water to maintain, which is a significant cost. Synthetic turf is a cost effective option, which can withstand heavy usage, has low maintenance costs, with the only major cost being periodic replacement. The City of Melville (Melville) have incorporated synthetic turf at Murdoch University for soccer use. Melville identified the need for synthetic turf for the following reasons:
 - There is a limitation on irrigation water.
 - Melville identified a requirement for additional active sports grounds to cater for the increasing population.
 - There is a general overuse of sporting fields in Melville.
 - The turf growth slows during colder months when at its highest use.
 - The number of users is beyond the turfs ability to recover.
 - The increased length of the sports season does not allow for an adequate recovery period before summer sports re-start.
 (City of Melville 2012)

- The synthetic turf that has been implemented is considered to be high quality FIFA approved playing surface. Any synthetic turf implemented by the City will have to be similar high quality to cater for sports such as soccer.
- It is evident there are a larger occurrence of Biodiversity Assets and parks that serve a nature function in the Hills compared to the Foothills. This is expected in the Hills given the character of the area, the values the community hold and the lower density urban environment. Maintaining this character and value is important moving forward. It is also vital that nature spaces are protected and further enhanced in the Foothills. The Foothills are expected to experience significant urban growth, therefore reducing natural vegetation in the area in the process. The Environment Strategy and Tree Protection Policy will be responsible for protecting native vegetation in the private realm, where native vegetation is at significant risk due to clearing for higher densities. Offset areas will need to be identified in the Hills and Foothills to offset the impact of urbanisation. Nature spaces in general will need to be continued to be improved to provide an 'urban forest' and to enhance the environmental values of the City. This requirement has been identified in the Kalamunda Achieving – Corporate Business Plan 2017-2021. The Environment Strategy and the Local Biodiversity Strategy 2008 will help inform the actions of the Strategy relating to environmental protection.
- Given the considerations mentioned above, to determine whether the distribution of POS is suitable, consultation with internal departments, the community and organisations will be required. It is clear that quality of POS will need to be improved. Quality of POS should be prioritised over quantity.

5.0 STRATEGIC DIRECTIONS AND ACTIONS

Objective	
Strategic Direction	Action
Protect environmentally significant areas from encroaching development.	
1.1. Native plant species to be prioritised over exotic species for revegetation.	1.1.1. Any form of POS development, whether it be through subdivision, acquisition or improvement to ensure that only native species are planted unless there is a significant cultural or heritage reason otherwise.
1.2. To reduce water consumption, water sensitive plants to be used for revegetation.	1.2.1. Any form of POS development, whether it be through subdivision, acquisition or improvement to ensure that only water sensitive vegetation is planted unless there is a significant cultural or heritage reason otherwise.
1.3. To assess POS reserves classified as biodiversity assets.	1.3.1. Assessments of the Biodiversity Assets identified in this Strategy to be undertaken.
1.4. Biodiversity assets of low quality to be identified for improvement.	1.4.1. Utilising this Strategy as an overarching authority, a project specific brief for the improvement of low grade Biodiversity Assets should be prepared and undertaken.
1.5. Biodiversity assets of medium to high quality to be improved and maintained to a high standard.	1.5.1. Biodiversity Assets of a medium to high quality to be reviewed periodically and ensure that these reserves are maintained above their initial assessment rating.
1.6. Identify reserves that can be rehabilitated / revegetated through offset plans.	1.6.1. Utilising this Strategy as an overarching authority, a project specific brief for the development of a framework that identifies all available land areas that can be rehabilitated / revegetated through offset plans for the City to utilise as environmental offsets. The Environmental Strategy and Local Biodiversity Strategy 2008 are to assist in informing rehabilitation and revegetation plans and offset areas.
Optimise the use of the City's resources to achieve effective and efficient POS outcomes.	
2.1. All new Structure Plans and modified Outline Development Plans to allocate POS in accordance with Liveable Neighbourhoods requirements and address deficiencies identified in the Strategy.	2.1.1. Future Structure Plan areas to address POS deficiencies identified in the Strategy with a particular focus on the provision of sports space in High Wycombe and Wattle Grove. It is noted that not all the sports space requirements will be achievable through the future subdivision of Maida Vale South, Wattle Grove South and Forrestfield North urban growth areas. Forrestfield North in particular has significant environmental constraints and limited to no capacity for sports space areas.
2.2. The City to potentially transfer POS that does not serve any functional benefit to the community. Ensure that any POS identified for potential transfer lacks either active, passive or environmental function.	2.2.1. Utilising this Strategy as an overarching authority, a project specific brief for the transfer of low grade POS sites (identified in Appendix 12) should be prepared and undertaken. Requires community consultation. It is noted that work has already commenced on one site being, Cambridge Reserve.
2.3. To acquire POS in suburbs where POS is below Liveable Neighbourhoods requirements.	2.3.1. Utilising this Strategy as an overarching authority, a project specific brief for the identification of acquisition sites should be prepared and undertaken with a focus on consolidating and expanding on existing POS areas. 2.3.2. Funds raised from the transfer of POS and cash-in-lieu to be utilised to acquire sports space sites and POS in suburbs below POS 10% provision.
2.4. To recommend a Cash-in-lieu condition are imposed for subdivision creating three or more lots.	2.4.1. That, for any proposed subdivision creating three or more lots, the City will recommend to the Western Australian Planning Commission that it imposes a Public Open Space (cash-in-lieu) condition, unless actual land is required pursuant to Strategic Direction 2.3. Above.

	2.4.2. Prepare Local Planning Scheme provisions to enable the City to recommend cash-in-lieu conditions are imposed for subdivisions creating three or more lots.
2.5. To investigate strategic subdivision of underperforming areas of POS.	2.5.1. Utilising this Strategy as an overarching authority, a project specific brief for the potential transfer and development of low grade POS sites should be prepared and undertaken. Requires community consultation. It is noted that work has already commenced on one site being, Cambridge Reserve.
2.6. The City, as funding and resources allow, maintain POS, in line with the City's maintenance schedule for the community's benefit, throughout the City.	2.6.1. Utilising this Strategy as an overarching authority, a project specific brief for the improvement of low grade POS sites should be prepared and undertaken. 2.6.2. As funding and resources allow, the City should aim to enhance three reserves per annum. Funds raised from the transfer of POS and cash-in-lieu are to be utilised to fund the improvement of POS reserves.
2.7. The City to review P&R Land that is currently developed and prioritise the improvement of undeveloped areas.	2.7.1. The City to liaise with the relevant state agencies in reviewing and assessing developed P&R land and identifying areas that require improvement. The assessment to consider land in relation to future use and the significance for the local area including environmental, drainage, recreational, and tourism opportunities and community values.
2.8. Appropriate planning and policy considerations are developed to support retention of functional POS.	2.8.1. The City to commence a Local Planning Policy (LPP) which states the City is to adhere to Liveable Neighbourhoods – Element 4 Public Parkland design guidelines and includes provisions which are applicable to the local context. 2.8.1.1. The LPP is to stipulate that future POS sites are to be of a Neighbourhood level at a minimum, with an emphasis on multi-use sites, if such sites cannot be provided as part of subdivision a cash-in-lieu condition to be imposed to fund acquisition of large land parcels and improvement of Neighbourhood, District and Regional level reserves. Development of new POS sites to follow DSR Guidelines.
2.9. Allocated drainage and utilities in POS to be appropriately located, designed, managed and safe.	2.9.1. A project specific brief is to be prepared for the assessment of all drainage and utilities located in POS. Assessment is to identify drainage and utilities that are poorly located, not well managed, poorly designed and are considered unsafe for the community. 2.9.2. Future POS development to ensure that drainage and utilities are appropriately located, maintained, designed and safe for the community.
Ensure POS is safe for all members of the community.	
3.1. Phased installation of low level solar powered lighting to be undertaken on park areas of a neighbourhood level and above where footpath access is provided to improve site security.	3.1.1. A project specific brief for the instalment of low level solar powered lighting through POS sites of a neighbourhood level and above, should be prepared and undertaken.
3.2. Disability access paths to be provided to all parks of a neighbourhood level and above.	3.2.1. Utilising this Strategy as an overarching authority, a project specific brief for the instalment of disability access pathways to all POS sites of a neighbourhood level and above, should be prepared and undertaken. 3.2.2. Future POS development to ensure that disability access pathways to all POS sites of a neighbourhood level and above
3.3. Ensure passive surveillance of POS is optimised.	3.3.1. The Housing Strategy 2017 to address passive surveillance, stating that new subdivisions and Structure Plans are to ensure that houses adjacent to POS are to face reserves and densities surrounding POS to be maximised.

	3.3.2. The Housing Strategy to identify POS reserves to have increased residential densities in the immediate surrounds.
Provide high levels of access both within and to POS.	
4.1. To improve pedestrian access traversing through existing areas of POS.	4.1.1. A project specific brief for the improvement of pedestrian access traversing through low grade POS sites where access has been identified as poor, should be prepared and undertaken. POS of a Neighbourhood level and above to be prioritised. Pathways to be constructed to a standard that allows for wheelchair access.
4.2. To improve pedestrian and cycling access to and from POS.	4.2.1. A project specific brief for the identification of locations for pedestrian and/or shared access pathways to and from POS, and linking with residential areas and activity centres to be prepared and undertaken. POS of a Neighbourhood level and above to be prioritised.
4.3. To improve public transport access to and from POS.	4.3.1. To liaise with the Public Transport Authority on improving and adding bus routes which link residential areas and activity centres to POS of a Neighbourhood Level and above.
Provide the community with health, recreational, organised sport and social opportunities.	
5.1. Acquisition of POS via subdivision and generally funded through Development Contribution Plans.	<p>5.1.1. The City to acquire areas of POS through the subdivision process in accordance with any relevant Development Contribution Plan, Structure Plan, Outline Development Plan and/or any endorsed POS Strategy Plans.</p> <p>5.1.2. Acquisition of POS through subdivision is to have due regard to ensuring the land meets accessibility and functionality requirements. Ensure the provision of POS through subdivision and Development Contribution Plans addresses POS deficiencies identified in the Strategy with a particular focus on sports space in High Wycombe and Wattle Grove. It is noted that not all the sports space requirements will be achievable through the future subdivision of Wattle Grove South and Forrestfield North urban growth areas. Forrestfield North in particular has significant environmental constraints and limited to no capacity for sports space areas.</p>
5.2. The City is to investigate opportunities to acquire strategically important sites for POS. The acquisitions may include; crown land, land required for POS within an approved statutory framework, or privately owned single lots adjacent to existing POS.	<p>5.2.1. Utilising funds raised through the transfer process and funds collected through cash-in-lieu, the City needs to consider strategic acquisitions for sports space in Wattle Grove and High Wycombe. It is noted that not all the sports space requirements will be achievable through the future subdivision of Wattle Grove South and Forrestfield North urban growth areas. Forrestfield North in particular has significant environmental constraints and limited to no capacity for sports space areas.</p> <p>5.2.2. Utilising this Strategy as an overarching authority, a project specific brief for the identification of acquisition sites should be prepared and undertaken.</p>
5.3. The City to develop master plans for Neighbourhood, District and Regional Level reserves identified in this Strategy as funding and resources allow.	<p>5.3.1. Utilising this Strategy as an overarching authority, master plans for all District and Regional level POS reserves to be undertaken. Master planning to occur for Neighbourhood level reserves identified in the Community Facilities Plan 2011 or rated a C or D in this Strategy. Neighbourhood level reserves not identified for master planning to be reviewed as part of the Strategy review. Master plans to be reviewed periodically every 10 years. It is noted that a master plan has already been completed for Hartfield Park 2010 and commenced for Ray Owen Reserve and Stirk Park. Maida Vale Recreation reserve and Scott Reserve have been identified for master planning in the Kalamunda Achieving Corporate Business Plan 2017-2023 and Community Facilities Plan 2011.</p> <p>5.3.2. Community Facilities Plan 2011 to be reviewed and amended to align with 5.3.1.</p> <p>5.3.3. Any Master Planning to consider implementation of synthetic turf.</p>

6.0 SUBURB MAPS

Attached as Appendix 5-8 are suburb maps illustrating the City's POS reserves. There are three different maps for each suburb which outline different features. The maps are as follows:

- Rating (Appendix 6)
- Classification (Appendix 7)
- Function (Appendix 8)
- Catchments (Appendix 9)

7.0 REVIEW

The Strategy will be required to be reviewed periodically as required and at least every 5 years as a minimum. It is recommended that the base assessment methodology remains unchanged during periodic review to retain the integrity of the existing Strategy. The City shall support the continual improvement to POS policy (both state and local), strategic partnerships, and operational activities and procedures. In doing so, this will enable the City to deliver efficient and effective POS outcomes.

8.0 IMPLEMENTATION

The Strategy is a long term plan which outlines the future recommendations for POS within the City. Despite a great level of attention to detail to assess the future POS requirements in a holistic manner the City understands that with a lengthy implementation timeframe, situations and circumstances will change. The development component of implementation of the Strategy will be contingent on the successful transfer of unsuitable POS. This factor contributes towards uncertainty in the overall implementation of the Strategy, particularly regarding financial viability, establishment of timeframes and community perception. Within the Implementation phase of the Strategy, the City will prioritise the Strategy's recommendations based on available resources, funding and Council priorities.

8.1 Disclaimer

The City of Kalamunda's Public Open Space Strategy (Strategy) has been developed for the purpose of being a 'point-in-time' guiding document with respect to, amongst other things, the community's recreation, sporting, conservation and environmental management requirements.

Without limiting the purpose of the Strategy, the City does not represent, warrant, undertake or guarantee that the contents of this Strategy will lead to any particular outcome or result and the City reserves its rights to amend, vary or remove any and/or all of the contents of this Strategy, at its sole discretion, from time to time.

All sites contained within this Strategy are subject to further investigation by the City and any future use, direction, acquisition, transfer or development will be subject to consideration by Council, and/or the Minister for Lands, and/or the Department of Planning.

The City shall not be liable for any losses that may result from any third parties' use or reliance on this document. Without limitation such losses shall include, but not be limited to, loss of profits, income, revenue, anticipated savings, contract expectation, commercial opportunities or goodwill.

The City shall not be liable for any reliance that any person, organisation, corporation, government authority, department, or entity of any kind, may place on the contents of this Strategy and the City does not guarantee the accuracy of the information contained herein.

The Strategy is based on City officer interpretation and the best information available to the City's officers at the point in time of the Strategy's formulation.

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APPENDIX 1: GLOSSARY

Key Terms

Term	Description
Classification	The category which a reserve is identified.
No Classification	A reserve that does not appropriately fit into any classification.
Function	The primary use and expected activities occurring at a reserve.
Functional	A reserve that is practical and useful for the functions identified at the reserve.
No Function	Spaces that are not practical or useful for recreation, sports and nature spaces.

Term	Purpose and Function	Access	Typical Size
Biodiversity Asset	Local reserves zoned as Local Open Space under LPS3 that have been identified by the Strategy for environmental protection purposes. Reserves serve primarily a nature space purpose. Either all or the majority of the reserve will be covered by native vegetation. When another function occurs it will have a very minimal footprint on the reserve. Such uses with a minimal footprint include pathways (sealed or unsealed) to allow for bush walking, dog walking or running. Reserves are not identified as Bush Forever or zoned Parks & Recreation under the MRS.	Access is usually limited or non-existent to allow for environmental protection. Access will usually be an unsealed path.	Size is variable, however as large reserves are captured as ROS under the MRS (Parks & Recreation), Biodiversity Asset reserves are typically less than 4ha.

Classification Framework for POS (Department of Sport and Recreation 2012)

Term	Purpose and Function	Access	Typical Size
Local Open Space (LOS)	LOS is usually small parklands that service the recreation needs of the immediate residential population. LOS is primarily used for recreation and may include small areas of nature space. LOS is unlikely to be used for any formal or informal sport.	Within 400 metres or 5 minute walk.	0.4ha to 1ha.
Neighbourhood Open Space (NOS)	NOS serves as the recreational and social focus of a community. Residents are attracted by the variety of features and facilities and opportunities to socialise. NOS can assist to engender sense of place and protect specific conservation values through retention of nature spaces. NOS may be used for junior sport or sports training if appropriate space is available.	Within 800 metres or 10 minute walk.	1ha to 5ha.
District Open Space (DOS)	DOS is principally designed to provide for organised formal sport. DOS will very likely include substantial recreation space and some nature space. DOS design and function should consider biodiversity principles and environmental management goals. DOS serves several neighbourhoods with players and visitors travelling from surrounding districts.	Within 2 kilometre or 5 minute drive.	5ha to 15+ha.
Regional Open Space (ROS)	ROS may accommodate important recreation and organised sport spaces as well as significant conservation and/or environmental features. ROS may provide	ROS serves one or more geographical or social regions and is likely to attract visitors from outside any one local government area.	Size is variable and dependant on function. When sporting space is

*Refer to POS Evaluation description of term for the purpose of POS Evaluation.	substantial facilities for organised sport, play, social interaction, relaxation and enjoyment of nature. ROS can assist to protect biodiversity conservation and environmental values through retention of bushland, wetlands and other natural features.	Users not living within close proximity will use either private vehicles or public transport systems.	identified as a necessary regional function, allocations for playing fields and sports facilities should be 20+ha in area.
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Term	Purpose	Description
Recreation Spaces	Recreation spaces provide a setting for informal play and physical activity, relaxation and social interaction.	Recreation spaces enhance physical and mental health through activity that provides relaxation, amusement or stimulation. Recreation spaces can be accessed by all to play, socialise, exercise, celebrate or participate in other activities that provide personal satisfaction or intrinsic reward. Recreation spaces include gardens and open parklands, community gardens, corridor links, amenity spaces, community use facilities, civic commons or squares.
Sport Spaces	Sport spaces provide a setting for formal structured sporting activities.	Sport spaces provide a venue for formal structured sporting activities such as team competitions, physical skill development and training. Sport spaces are designed to accommodate playing surface, buffer zones and infrastructure requirements of specific or general sporting activity. Players and spectators attend with the express purpose of engaging in organised sporting activity, training or competition or watching the game. Most sport spaces can also be accessed by community members for informal sport and recreation.
Nature Spaces	Nature spaces provide a setting where people can enjoy nearby nature and protect local biodiversity and natural area values.	Nature spaces provide opportunity for low-impact recreational activities, such as walking, cycling, picnicking, playing, watching or exploring natural features. Nature spaces may include bushland, coastal areas, wetlands and riparian habitats, and geological and natural features. Sites are managed to enable recreational access while protecting local ecological and biodiversity values.

POS Evaluation

Term	Description
Public Purpose Reserves	<p>A deduction as part of the POS calculation. Public Purpose Reserves include the following land uses:</p> <ul style="list-style-type: none"> • Religious Purpose • Library • Hospital • Police Station • Fire Station • Prison • University • Technical School • Special Uses (Public Purpose) • Water Authority • Commonwealth Government • Council Administration and Chambers
Land not identified as Urban by the MRS	<p>A deduction as part of the POS calculation. Land not identified as urban by the MRS includes the following land uses:</p> <ul style="list-style-type: none"> • Industrial • Special Industrial • Rural • Civic and Cultural
Any additional land uses not identified as Residential or Local Open Space by the LPS3	<p>A deduction as part of the POS calculation. Any additional land uses not identified as Residential or Local Open Space by the LPS3 include the following land uses:</p> <ul style="list-style-type: none"> • Private Clubs and Institutions • Special Use • Service Station • General Industry • Light Industry • Industrial Development • Rural Agriculture • Rural Composite

	<ul style="list-style-type: none"> • Rural Conservation • Rural Landscape Interest • Special Rural
Regional Open Space	Land zoned as Parks & Recreation under the MRS.
Conservation Areas	Land identified for the purpose of conservation under LPS3 and Bush Forever sites.
Calculated Area or Subdivisible Area	The total area of land zoned Urban by the Metropolitan Regional Scheme (MRS) and any additional land identified as Residential R5 or above by LPS3 within a suburb. All other zones outside the boundaries of the urban area are not included.
Gross Calculated Area or Gross Subdivisible Area	The total calculated area or subdivisible area of a suburb less deductions (as identified in section 6.0).

Assessment Matrix

Term	Description
Number of uses catered for	<p>One of the categories assessed in the assessment matrix (See Appendix 11). The following can be counted as a use:</p> <ul style="list-style-type: none"> • Organised Team Sport (sports may include AFL, cricket, rugby, soccer, hockey etc.) – 1 count for each sport. • Organised Hard-court Sport (sports may include tennis, basketball, netball etc.) – 1 count for each sport. • Casual Play (activities such as kick to kick, throwing a ball between 2 or more participants etc.) – Requires adequate mowed grassed area to be counted. • Casual Hard-court Play (activities include basketball, tennis, netball etc.) – Requires a flat paved/concrete hard-court with the appropriate infrastructure for the activity. • BMX – Must have usable BMX track infrastructure. • Skate Park – Must have the appropriate skate park infrastructure. • Mountain Biking – Must be officially identified as a reserve utilised for mountain biking. • Casual Recreation (activities such as running, cycling and walking) – Requires a pathway traversing through the site or a significantly sized mowed lawn area (such as a sports oval).

	<ul style="list-style-type: none"> • Casual Gym – Must have usable gym equipment. • Dog Walking – Must have signage stating dogs are permitted. • Playground – Must have at least one usable playground on site. • Picnic – Must have at least one usable picnic bench. • Nature – Must have a significant amount of healthy natural vegetation that can support an ecological community. <p>Only organised team sport and organised hard-court sport can be counted more than once given they are different sports being counted and not multiples of the same sport.</p>
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APPENDIX 2: POPULATION

	Forecast pop. 2017	Forecast pop. 2036	Change 2016-36	Change 2016-36 Percentage	Land Area (ha)	Forecast Population Density 2017 (persons per hectare)	Forecast Population Density 2036 (persons per hectare)
City of Kalamunda	62,167	77,130	+14,963	24.07%	32,436	1.92	2.38
Hills	23,508	25,568	+2,060	8.76%	27,950	0.84	0.91
Kalamunda	7,581	9,088	+1,507	19.88%	1,064	7.13	8.54
Lesmurdie	8,829	8,848	+19	0.22%	1,365	6.47	6.48
Gooseberry Hill	3,523	3,608	+85	2.41%	895	3.94	4.03
Rural East-Walliston	3,575	4,024	+449	12.55%	24,626	0.15	0.16
Foothills	38,659	51,562	+12,903	133%	4,485	8.62	11.50
Wattle Grove	6,426	7,421	+995	15.49%	867	7.41	8.56
Forrestfield	13,765	17,218	+3453	25.08%	1702 (+30ha in Forrestfield North)	8.09	10.12
Forrestfield North DSP	399	6,118	+5,719	1433%	264	1.51	23.17
High Wycombe	13,111	14,311	+1,200	9.15%	811 (+234ha in Forrestfield North)	16.17	17.65
Maida Vale	4,958	6,494	+1,536	30.98%	841	5.90	7.72

APPENDIX 3: DWELLINGS

	Forecast change in dwellings between 2011-2036	
City of Kalamunda	+8,700	+40.7%
Hills	+1,190	
Kalamunda	+712	+23.8%
Lesmurdie	+187	+6.2%
Gooseberry Hill	+74	+5.4%
Rural East - Walliston	+217	+18.0%
Foothills	+7,510	
Wattle Grove	+1,119	+76.8%
Forrestfield	+2,220	+44.0%
Forrestfield North DSP	+2,188	+1655.5%
High Wycombe	+1,266	+28.4%
Maida Vale	+717	+42.8%

APPENDIX 4: PUBLIC OPEN SPACE CALCULATIONS

Forrestfield	Area Hectares
Suburb Total Area	1702
Total Calculated Area	876.22
Deductions	
Schools	28.17
Town Centres and Commercial	31.89
Drainage Reserves and Water Supply Purposes	1.14
Transmission Corridors	19.37
Regional Open Space and Environment Protection Areas	187.62
Other Land Uses	43.70
Regional Roads	0
Total Deductions	-311.89
Gross Area	564.23
Total POS	62.77
POS Percentage	11.12%

Gooseberry Hill	Area Hectares
Suburb Total Area	895
Total Calculated Area	379.94
Deductions	
Schools	7.83
Town Centres and Commercial	0.33
Drainage Reserves and Water Supply Purposes	0.50
Transmission Corridors	
Regional Open Space and Environment Protection Areas	11.24
Other Land Uses	10.76
Regional Roads	0
Total Deductions	-30.66
Gross Area	349.27
Total POS	8.36
POS Percentage	2.39%

High Wycombe	Area Hectares
Suburb Total Area	811
Total Calculated Area	592.75
Deductions	
Schools	10.62
Town Centres and Commercial	13.28
Drainage Reserves and Water Supply Purposes	5.43
Transmission Corridors	0
Regional Open Space and Environment Protection Areas	10.40
Other Land Uses	70.14
Regional Roads	5.65
Total Deductions	-115.53
Gross Area	477.22
Total POS	41.40
POS Percentage	8.68%

Kalamunda	Area Hectares
Suburb Total Area	1064
Total Calculated Area	747.54
Deductions	
Schools	14.29
Town Centres and Commercial	29.43
Drainage Reserves and Water Supply Purposes	0.58
Transmission Corridors	0
Regional Open Space and Environment Protection Areas	40.59
Other Land Uses	27.58
Regional Roads	13.56
Total Deductions	-126.02
Gross Area	621.52
Total POS	36.07
POS Percentage	5.80%

Lesmurdie	Area Hectares
Suburb Total Area	1365
Total Calculated Area	742.86
Deductions	
Schools	44.44
Town Centres and Commercial	3.17
Drainage Reserves and Water Supply Purposes	0.31
Transmission Corridors	
Regional Open Space and Environment Protection Areas	14.09
Other Land Uses	10.83
Regional Roads	0
Total Deductions	-72.85
Gross Area	670.01
Total POS	40.69
POS Percentage	6.07%

Maida Vale	Area Hectares
Suburb Total Area	841
Total Calculated Area	269.56
Deductions	
Schools	4.15
Town Centres and Commercial	1.90
Drainage Reserves and Water Supply Purposes	0.61
Transmission Corridors	5.62
Regional Open Space and Environment Protection Areas	36.94
Other Land Uses	1.78
Regional Roads	6.30
Total Deductions	-57.30
Gross Area	212.26
Total POS	19.27
POS Percentage	9.08%

Rural East-Walliston		Area Hectares
Total Area		24,626
Bickley		
Total Calculated Area		30.37
Total Deductions		-0.80
Gross Area		29.56
Total POS		1.87
POS Percentage		6.33%
Carmel		
Total Calculated Area		16.99
Total Deductions		-0.30
Gross Area		16.69
Total POS		0
POS Percentage		0.00%
Walliston		
Total Calculated Area		91.19
Total Deductions		-27.60
Gross Area		63.59
Total POS		2.74
POS Percentage		4.31%

Wattle Grove		Area Hectares
Suburb Total Area		867
Total Calculated Area		232.90
Deductions		
Schools		4.03
Town Centres and Commercial		15.86
Drainage Reserves and Water Supply Purposes		1.63
Transmission Corridors		0
Regional Open Space and Environment Protection Areas		30.70
Other Land Uses		11.30
Regional Roads		0.30
Total Deductions		-63.83
Gross Area		169.07
Total POS		29.48
POS Percentage		17.43%

City of Kalamunda		Area Hectares
Gross Area		3173.42
Total POS		242.65
POS Percentage		7.65%
Hills		
Gross Area		1750.64
Total POS		89.73
POS Percentage		5.13%
Foothills		
Gross Area		1422.78
Total POS		152.92
POS Percentage		10.75%

APPENDIX 5: SPORT SPACE REQUIREMENTS

*Calculations are approximate and to be used as a guide.

Suburb/Area	Reserve/s	Total Reserve Area (Hectares)	Sport Space Required 2017 (Hectares)	Total Sport Reserve Area Required 2017 (Hectares)	Sport Space Required 2036 (Hectares)	Total Reserve Area Required 2036 (Hectares)
Forrestfield	Hartfield Park	47.74	8.95	26.85	11.19	33.57
Forrestfield North	-		0.26	0.78	3.98	11.94
Gooseberry Hill	-		2.29	6.87	2.35	7.05
High Wycombe	Scott Reserve	7.12	8.52	25.56	9.30	27.90
Kalamunda	Kostera Oval	7.70	4.93	14.79	5.91	17.73
Lesmurdie	Ray Owen Reserve	10.07	5.74	17.22	5.75	17.25
Maida Vale	Maida Vale Recreation Reserve	14.37	3.22	9.66	4.22	12.66
Rural-East Walliston	George Spriggs Reserve	7.52	2.32	6.96	2.62	7.86
Wattle Grove	-		4.18	12.54	4.82	14.46
Hills		25.29	15.28	45.84	16.63	49.89
Foothills		76.98	25.13	75.39	33.51	100.53

APPENDIX 6: POS RATING – MAPPING

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Forrestfield

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Reserve	
1	Akebia Way Reserve
2	Almond Way POS
3	Anderson Road Bushland
4	Anderson Road Park
5	Berberis Way Reserve
6	Berkshire Road Reserve
7	Blackbutt Way Reserve
8	Boodjera Bend Reserve
9	Cambridge Road Reserve
10	Connaught Street Reserve
11	Crumpet Creek Reserve 2
12	Dawson Avenue Reserve
13	Dawson Park
14	Edinburgh Road Reserve
15	Fagin Way Reserve
16	Gala Way POS
17	Garden Brook Estate
18	Hale Road Easement
19	Gotha Way POS
20	Hartfield Park
21	Juniper Way Reserve
22	Lincoln Road Reserve
23	Magnolia Way Reserve
24	Orchid Park Estate 1
25	Orchid Park Estate 2
26	Orchid Park Estate 3
27	Pioneer Park
28	Preece Court Reserve
29	Redgum Reserve
30	Stringybark Drive Reserve
31	Sultana Road East POS
32	Sussex Road Reserve
33	Tillia Court Reserve
34	Tyler Mews Park
35	Virgillia Way Reserve
36	Woodlupine Brook (East)
37	Woodlupine Brook Reserve

Legend

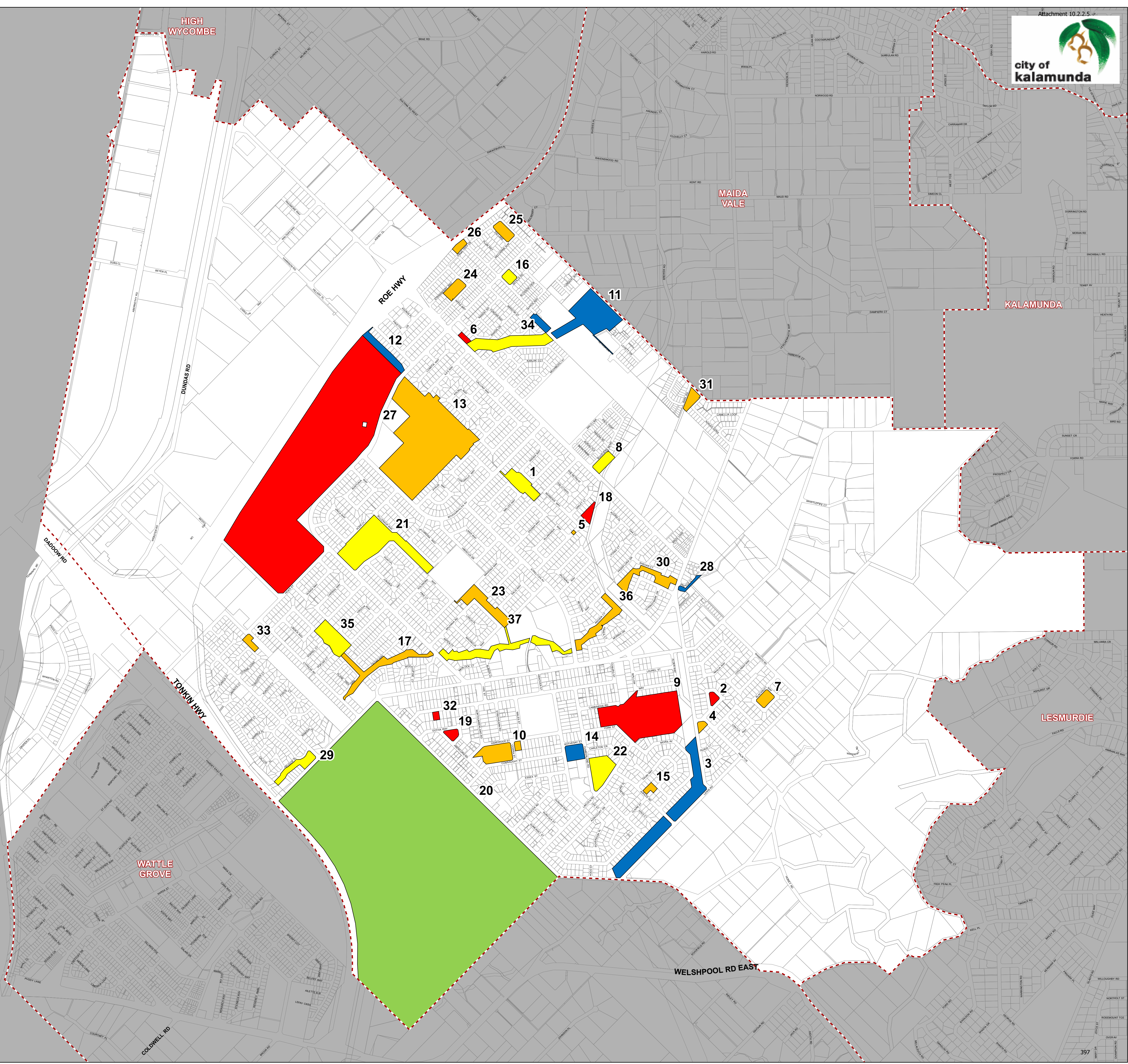
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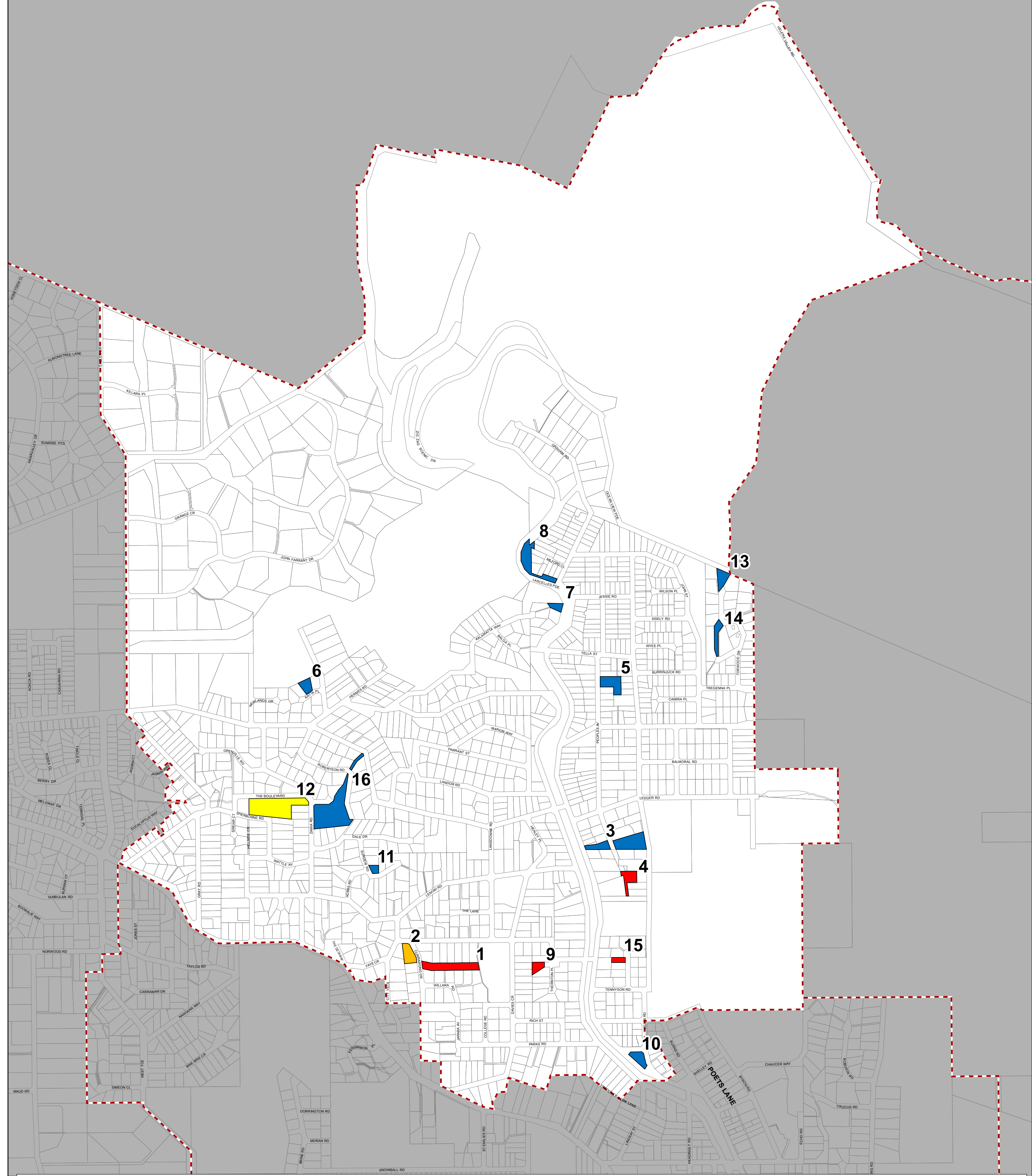
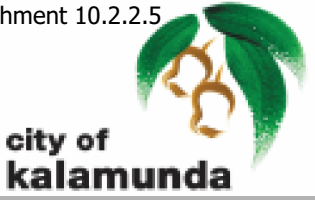
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Author: GIS Coordinator





Gooseberry Hill

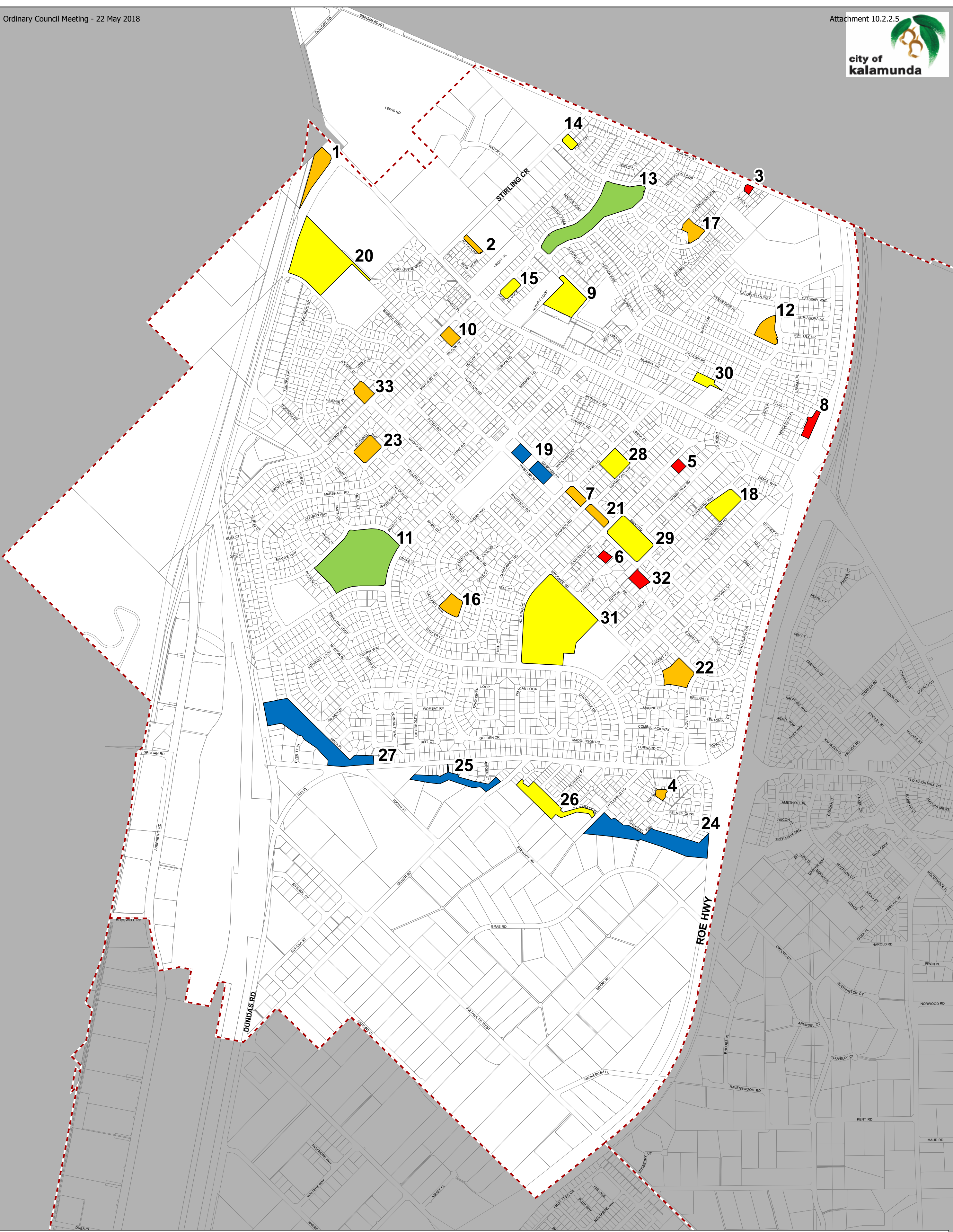
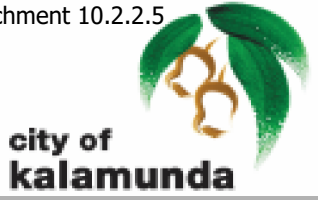
Reserve			
1	Currawong Drive Reserve	9	Noel Road Reserve
2	Currawong POS	10	Old Railway Reserve
3	Huntley Street Reserve	11	Sundew Road Reserve
4	Huntley Street Reserve South	12	The Boulevard Reserve
5	Kardina Park	13	Torwood Drive Reserve 1
6	Katta Place Reserve	14	Torwood Drive Reserve 2
7	Lascelles Parade Reserve 1	15	Wordsworth Reserve
8	Lascelles Parade Reserve 2	16	Zamia Road Reserve

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- Bio Asset

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Author: GIS Coordinator



High Wycombe

Reserve					
1	Abernethy Road Reserve	10	Emms Reserve	18	Mackenzie Park
2	Acton Link Reserve	11	Fleming Reserve	19	Markham Road Reserve
3	Adelaide Street Reserve	12	Gladys Newton Park	20	Ollie Worrell Reserve
4	Agraulia Court Park	13	Jacaranda Springs Estate 1	21	Peter Annus Park
5	Bandalong Way Reserve	14	Jacaranda Springs Estate 2	22	Peter Hegney Park
6	Citrus Grove Reserve	15	Jacaranda Springs Estate 3	23	Pine Tree Reserve
7	Cyril Road Reserve	16	John McLarty Park	24	Poison Gully Littlefield
8	Ellis Court POS	17	Larwood Crescent POS	25	Poison Gully Milner
9	Elmore Way Park				
				26	Poison Gully Springvale / Bluebell Park
				27	Poison Gully West
				28	Progress Park
				29	Rangeview Park
				30	Robert Hewson Park
				31	Scott Reserve
				32	Swan Road Reserve
				33	Viv Robinson Park

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Rating

- A
- B
- C
- D
- Bio Asset

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Author: GIS Coordinator

Kalamunda



city of
kalamunda

Legend

Rating

- A
- B
- C
- D
- Bio Asset

Reserve

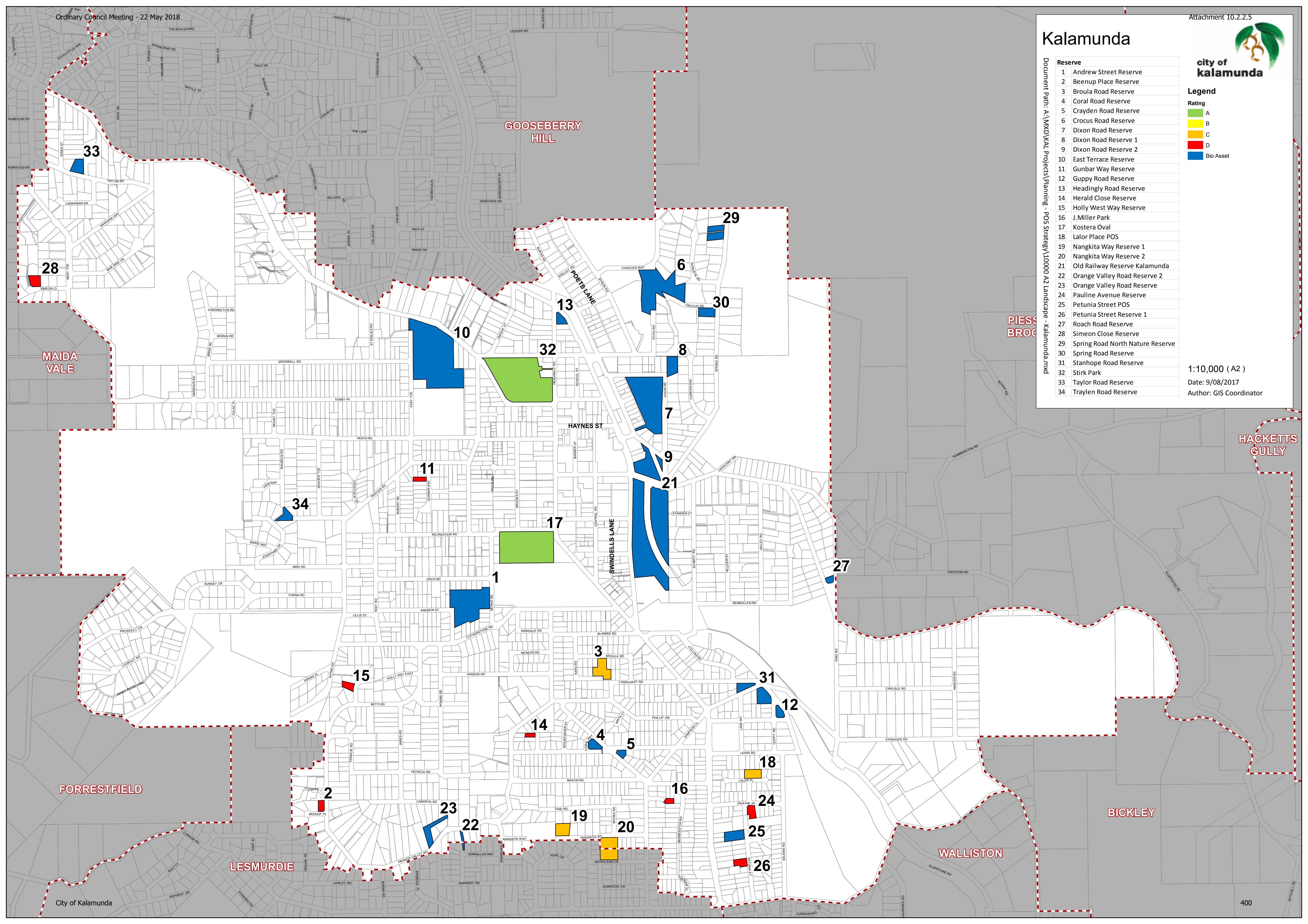
- Andrew Street Reserve
- Beenup Place Reserve
- Broula Road Reserve
- Coral Road Reserve
- Crayden Road Reserve
- Crocus Road Reserve
- Dixon Road Reserve
- Dixon Road Reserve 1
- Dixon Road Reserve 2
- East Terrace Reserve
- Gunbar Way Reserve
- Guppy Road Reserve
- Headingly Road Reserve
- Herald Close Reserve
- Holly West Way Reserve
- J.Miller Park
- Kostera Oval
- Lalor Place POS
- Nangkita Way Reserve 1
- Nangkita Way Reserve 2
- Old Railway Reserve Kalamunda
- Orange Valley Road Reserve 2
- Orange Valley Road Reserve
- Pauline Avenue Reserve
- Petunia Street POS
- Petunia Street Reserve 1
- Roach Road Reserve
- Simeon Close Reserve
- Spring Road North Nature Reserve
- Spring Road Reserve
- Stanhope Road Reserve
- Stirk Park
- Taylor Road Reserve
- Traylen Road Reserve

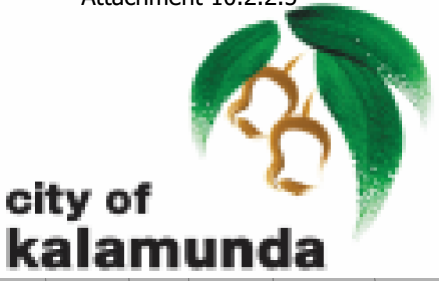
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Date: 9/08/2017

Author: GIS Coordinator

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FORRESTFIELD

KALAMUNDA

BICKLEY

WALLISTON

CARMEL

CANNING
MILLS

Lesmurdie

Reserve					
1	Anthony Heslop Reserve	13	Gladys Road Reserve	25	Mick Conti Park
2	Anthony Street Reserve	14	Glen Road POS	26	Nangkita Way Reserve 2
3	Barbigal Place Reserve 1	15	Godwin Street Reserve	27	Neil Tonkin Park / Falls Farm Reserve
4	Barbigal Place Reserve 2	16	Goodall Street Reserve	28	Nelson Crescent Reserve 2
5	Basildon Reserve	17	Hugh Sanderson Reserve	29	Nelson Crescent Reserve
6	Bill Shaw Reserve	18	Joyce Street Reserve 1	30	Northolt Street Reserve
7	Elmwood Crescent Reserve	19	Joyce Street Reserve 2	31	Orange Valley Road Reserve 2
8	Fall Road Reserve	20	Kershaw Avenue Reserve	32	Pagotto Park
9	Flora Terrace Reserve	21	Lawley Road Reserve	33	Peter Thiel Reserve
10	Ford Road Reserve	22	Lesmurdie Road Reserve	34	Ray Owen Reserve
11	Fred Eversden Reserve	23	Mario Court POS	35	Ryan Way Reserve
12	Gladys Road Reserve 2	24	Mary Drive Reserve	36	Sanderson Road Reserve / Pax Hill
13	Gladys Road Reserve	25	Mick Conti Park	37	Seaton Park
14	Glen Road POS	26	Nangkita Way Reserve 2	38	Silverdale Road Reserve
15	Godwin Street Reserve	27	Neil Tonkin Park / Falls Farm Reserve	39	Stirkwood Estate Reserve
16	Goodall Street Reserve	28	Nelson Crescent Reserve 2	40	Stone Road Reserve
17	Hugh Sanderson Reserve	29	Nelson Crescent Reserve	41	Tindale Road Reserve
18	Joyce Street Reserve 1	30	Northolt Street Reserve	42	Trafalgar Road Reserve
19	Joyce Street Reserve 2	31	Orange Valley Road Reserve 2	43	Trott Road Reserve
20	Kershaw Avenue Reserve	32	Pagotto Park	44	Turner Park
21	Lawley Road Reserve	33	Peter Thiel Reserve	45	Vernallan Way Reserve
22	Lesmurdie Road Reserve	34	Ray Owen Reserve	46	Victory Place Reserve
23	Mario Court POS	35	Ryan Way Reserve	47	Willoughby Reserve
24	Mary Drive Reserve	36	Sanderson Road Reserve / Pax Hill		

Legend

Rating

- A
- B
- C
- D
- Bio Asset

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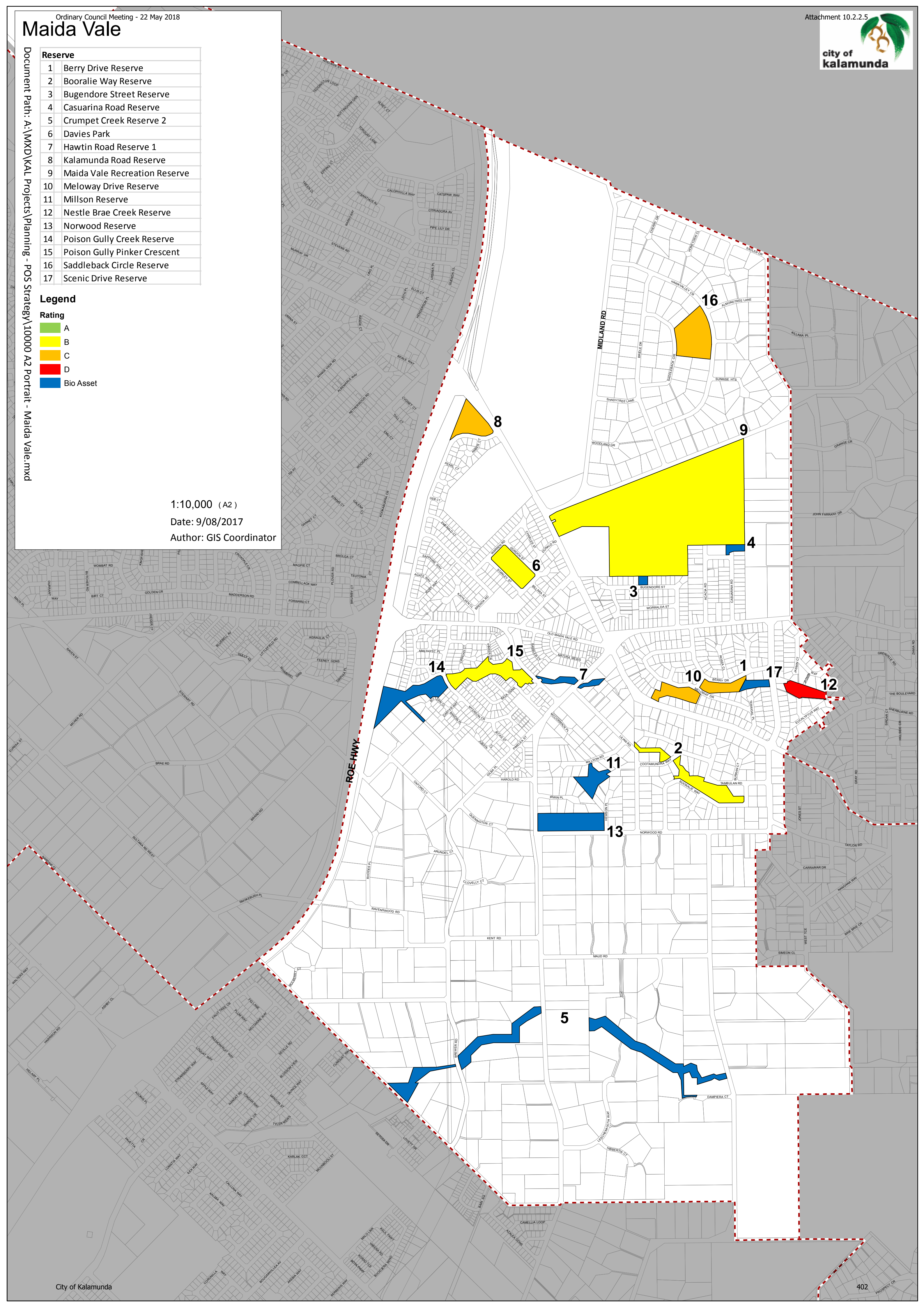
Reserve	
1	Berry Drive Reserve
2	Booralie Way Reserve
3	Bugendore Street Reserve
4	Casuarina Road Reserve
5	Crumpet Creek Reserve 2
6	Davies Park
7	Hawtin Road Reserve 1
8	Kalamunda Road Reserve
9	Maida Vale Recreation Reserve
10	Melway Drive Reserve
11	Millson Reserve
12	Nestle Brae Creek Reserve
13	Norwood Reserve
14	Poison Gully Creek Reserve
15	Poison Gully Pinker Crescent
16	Saddleback Circle Reserve
17	Scenic Drive Reserve

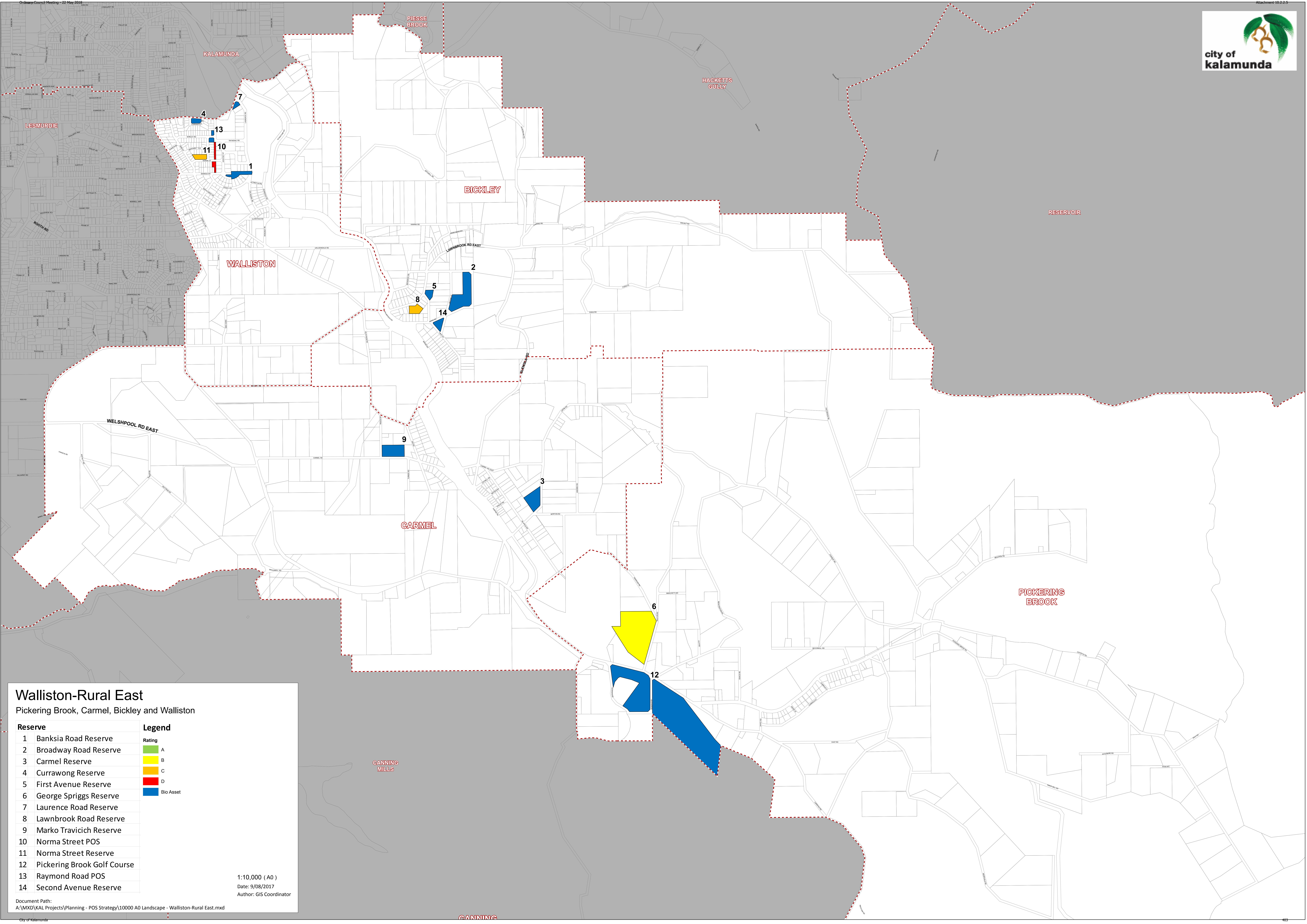
Legend

Rating

- A
- B
- C
- D
- Bio Asset

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Date: 9/08/2017
Author: GIS Coordinator





Walliston-Rural East

Pickering Brook, Carmel, Bickley and Walliston

Reserve	Legend
1 Banksia Road Reserve	Rating
2 Broadway Road Reserve	A
3 Carmel Reserve	B
4 Currawong Reserve	C
5 First Avenue Reserve	D
6 George Spriggs Reserve	Bio Asset
7 Laurence Road Reserve	
8 Lawnbrook Road Reserve	
9 Marko Travicich Reserve	
10 Norma Street POS	
11 Norma Street Reserve	
12 Pickering Brook Golf Course	
13 Raymond Road POS	
14 Second Avenue Reserve	

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Date: 9/08/2017
Author: GIS Coordinator

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Wattle Grove

Document Path:
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Reserve	
1	Fennell Crescent POS
2	Gavour Road Reserve
3	Gillings Parade POS
4	Grass Tree Reserve
5	Hardey East Road Reserve
6	Hartfield Road Creekline Reserve
7	Kalari Drive POS
8	Lewis Road Reserve
9	Maamba Road POS
10	Olivine Gardens Reserve
11	Sheffield Estate
12	The Promenade POS
13	Willow Lake Estate
14	Woodlupine Creek Undeveloped Reserve
15	Yule Brook Estate

Legend

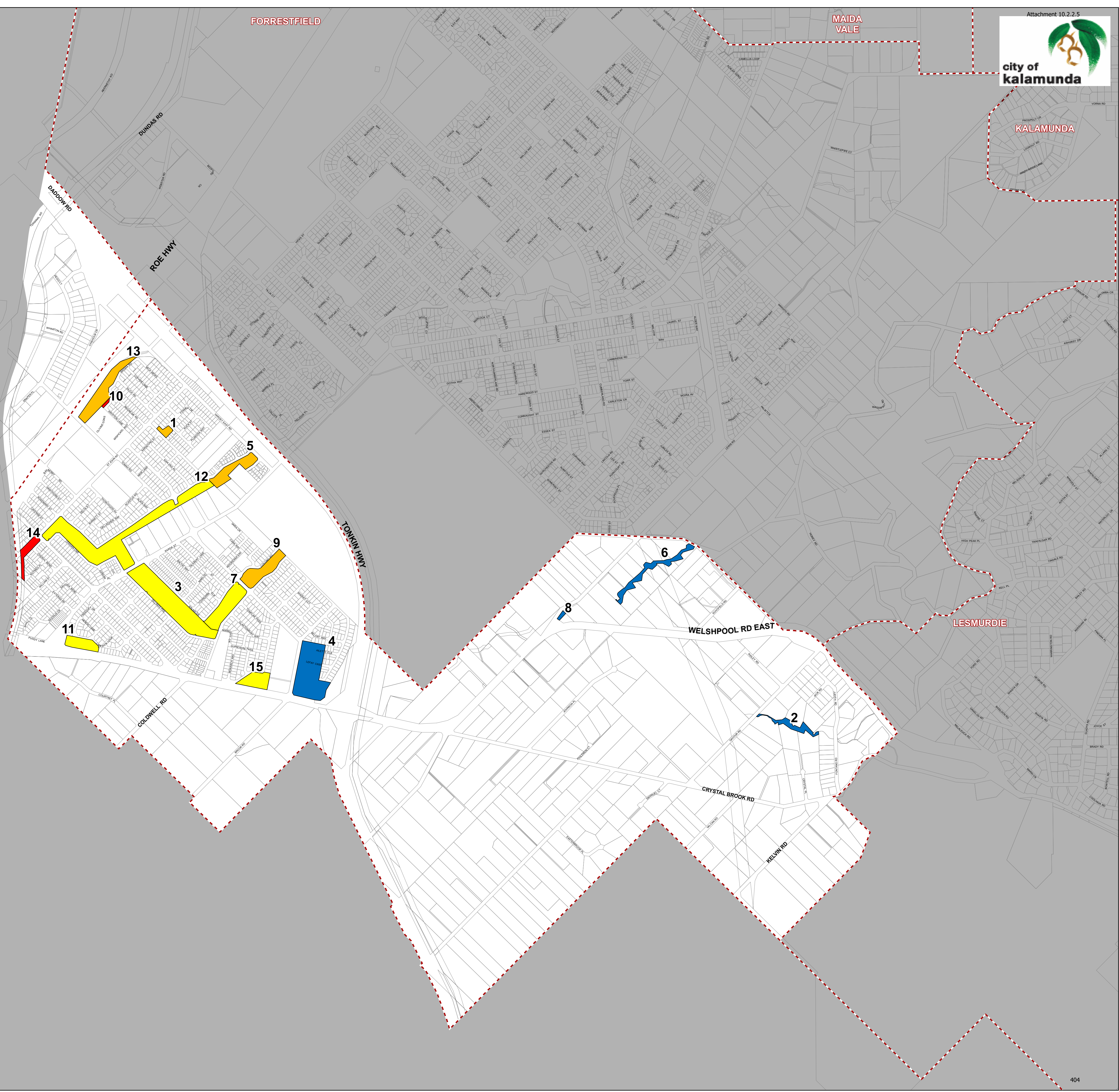
Rating

- A
- B
- C
- D
- Bio Asset

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Date: 9/08/2017

Author: GIS Coordinator



APPENDIX 7: POS CLASSIFICATION – MAPPING


DRAFT

Forrestfield


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
Reserve	
1	Akebia Way Reserve
2	Almond Way POS
3	Anderson Road Bushland
4	Anderson Road Park
5	Berberis Way Reserve
6	Berkshire Road Reserve
7	Blackbutt Way Reserve
8	Boodjera Bend Reserve
9	Cambridge Road Reserve
10	Connaught Street Reserve
11	Crumpet Creek Reserve 2
12	Dawson Avenue Reserve
13	Dawson Park
14	Edinburgh Road Reserve
15	Fagin Way Reserve
16	Gala Way POS
17	Garden Brook Estate
18	Hale Road Easement
19	Gotha Way POS
20	Hartfield Park
21	Juniper Way Reserve
22	Lincoln Road Reserve
23	Magnolia Way Reserve
24	Orchid Park Estate 1
25	Orchid Park Estate 2
26	Orchid Park Estate 3
27	Pioneer Park
28	Preece Court Reserve
29	Redgum Reserve
30	Stringybark Drive Reserve
31	Sultana Road East POS
32	Sussex Road Reserve
33	Tillia Court Reserve
34	Tyler Mews Park
35	Virgillia Way Reserve
36	Woodlupine Brook (East)
37	Woodlupine Brook Reserve


Legend


 MRS (Parks and Recreation)


Classification


 REGIONAL PARK

 DISTRICT PARK

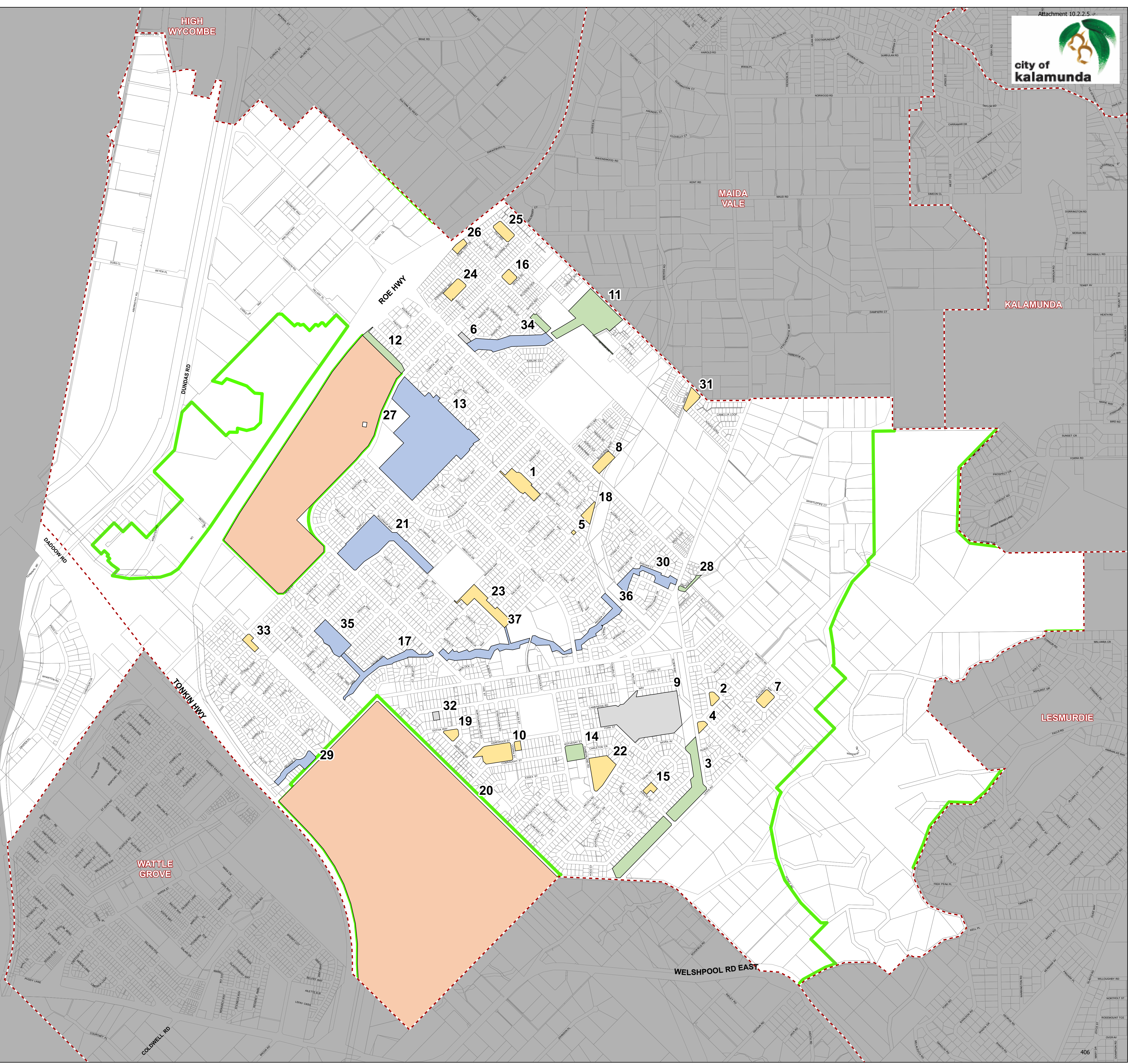
 NEIGHBOURHOOD PARK

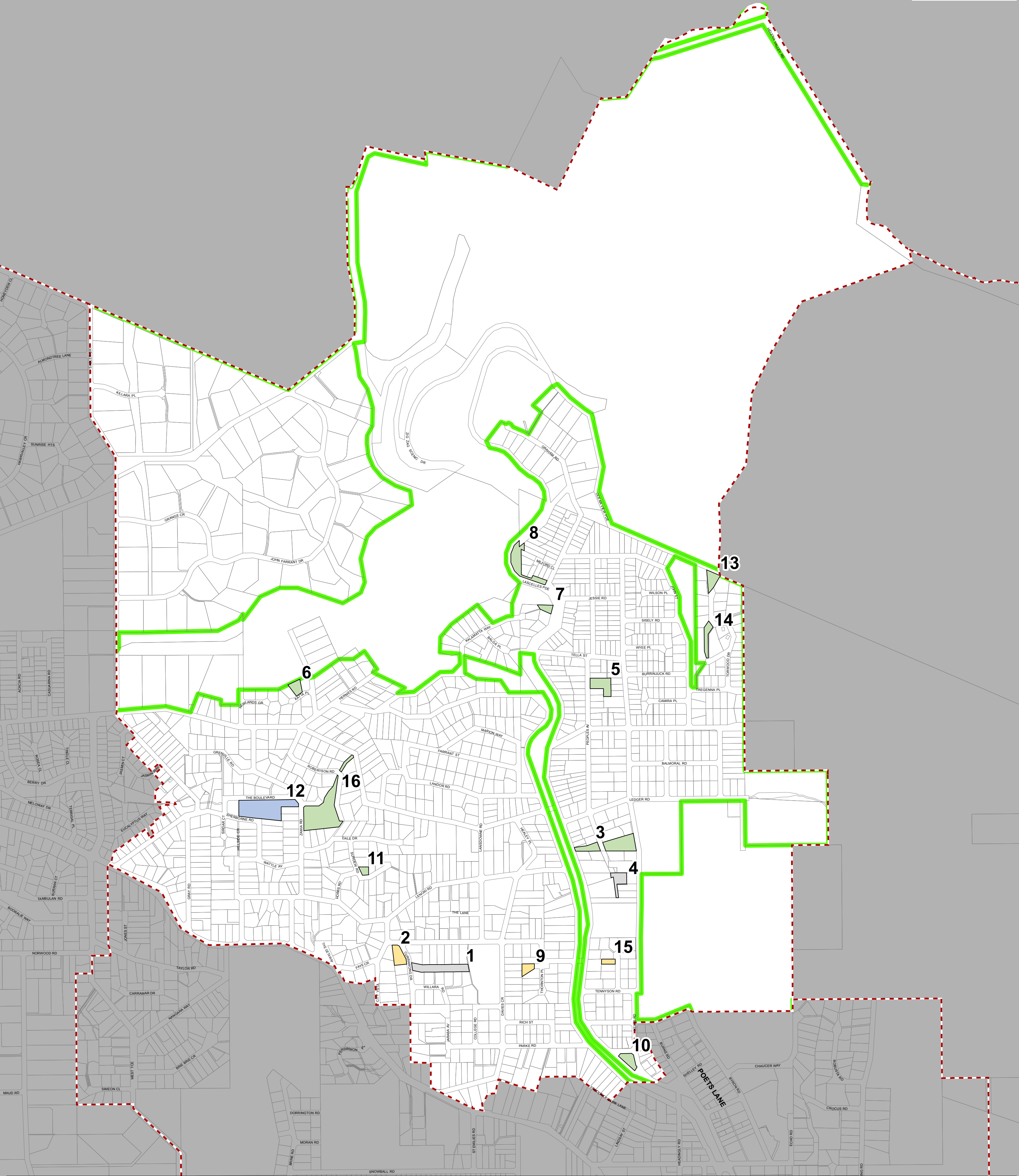
 LOCAL PARK

 BIODIVERSITY ASSET

 NO CLASSIFICATION

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Date: 9/08/2017
Author: GIS Coordinator





Gooseberry Hill

Reserve			
1	Currawong Drive Reserve	9	Noel Road Reserve
2	Currawong POS	10	Old Railway Reserve
3	Huntley Street Reserve	11	Sundew Road Reserve
4	Huntley Street Reserve South	12	The Boulevard Reserve
5	Kardina Park	13	Torwood Drive Reserve 1
6	Katta Place Reserve	14	Torwood Drive Reserve 2
7	Lascelles Parade Reserve 1	15	Wordsworth Reserve
8	Lascelles Parade Reserve 2	16	Zamia Road Reserve

Legend

MRS (Parks and Recreation)

Classification

REGIONAL PARK

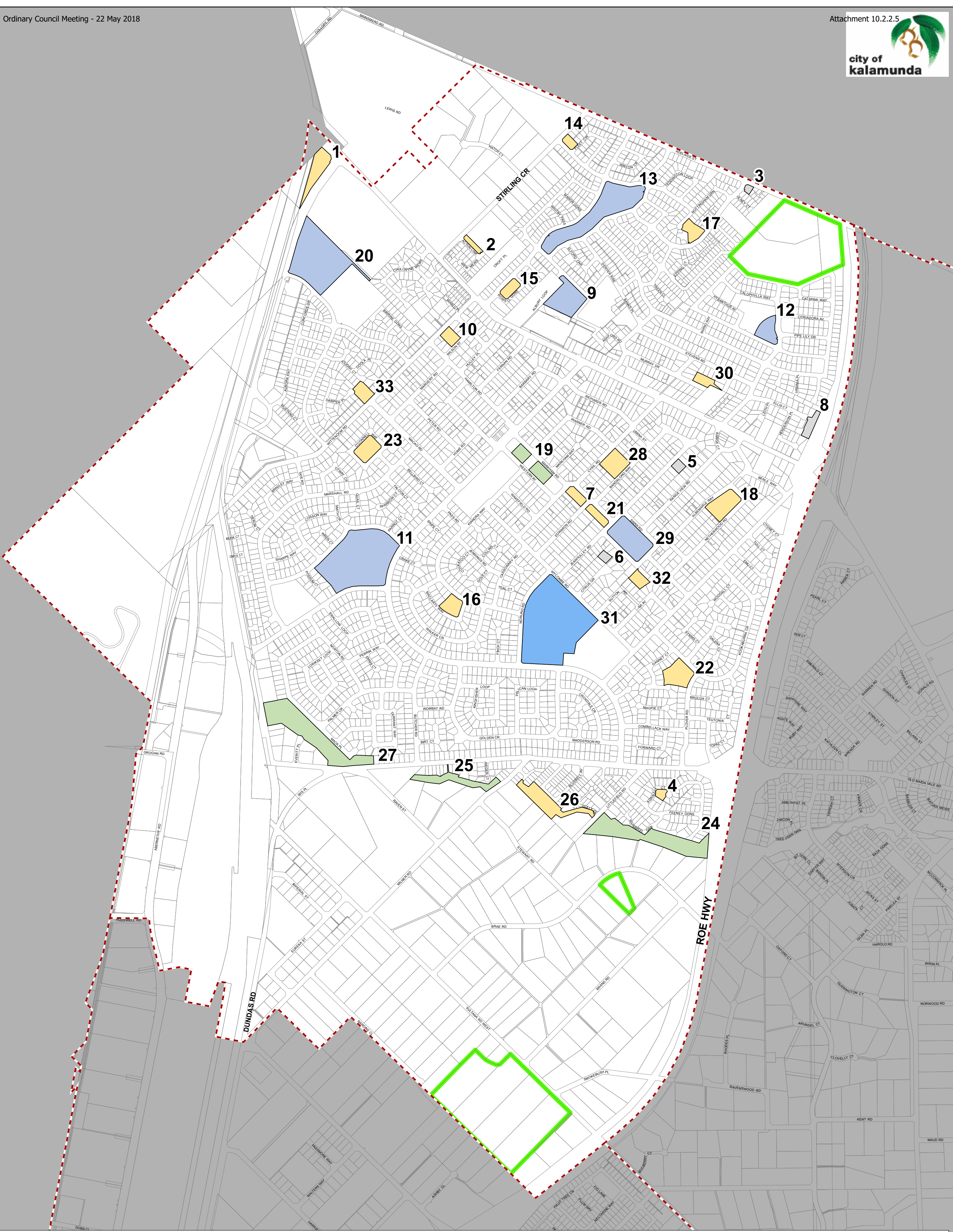
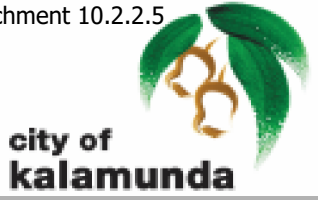
DISTRICT PARK

NEIGHBOURHOOD PARK

LOCAL PARK

BIODIVERSITY ASSET

NO CLASSIFICATION



High Wycombe

Reserve					
1	Abernethy Road Reserve	10	Emms Reserve	18	Mackenzie Park
2	Acton Link Reserve	11	Fleming Reserve	19	Markham Road Reserve
3	Adelaide Street Reserve	12	Gladys Newton Park	20	Ollie Worrell Reserve
4	Agraulia Court Park	13	Jacaranda Springs Estate 1	21	Peter Annus Park
5	Bandalong Way Reserve	14	Jacaranda Springs Estate 2	22	Peter Hegney Park
6	Citrus Grove Reserve	15	Jacaranda Springs Estate 3	23	Pine Tree Reserve
7	Cyril Road Reserve	16	John McLarty Park	24	Poison Gully Littlefield
8	Ellis Court POS	17	Larwood Crescent POS	25	Poison Gully Milner
9	Elmore Way Park				
				26	Poison Gully Springvale / Bluebell Park
				27	Poison Gully West
				28	Progress Park
				29	Rangeview Park
				30	Robert Hewson Park
				31	Scott Reserve
				32	Swan Road Reserve
				33	Viv Robinson Park

Legend

MRS (Parks and Recreation)

Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

1:10,000 (A2)
Date: 9/08/2017
Author: GIS Coordinator

Kalamunda



city of
kalamunda

Legend

- MRS (Parks and Recreation)
- Classification
- REGIONAL PARK
 - DISTRICT PARK
 - NEIGHBOURHOOD PARK
 - LOCAL PARK
 - BIODIVERSITY ASSET
 - NO CLASSIFICATION

Reserve

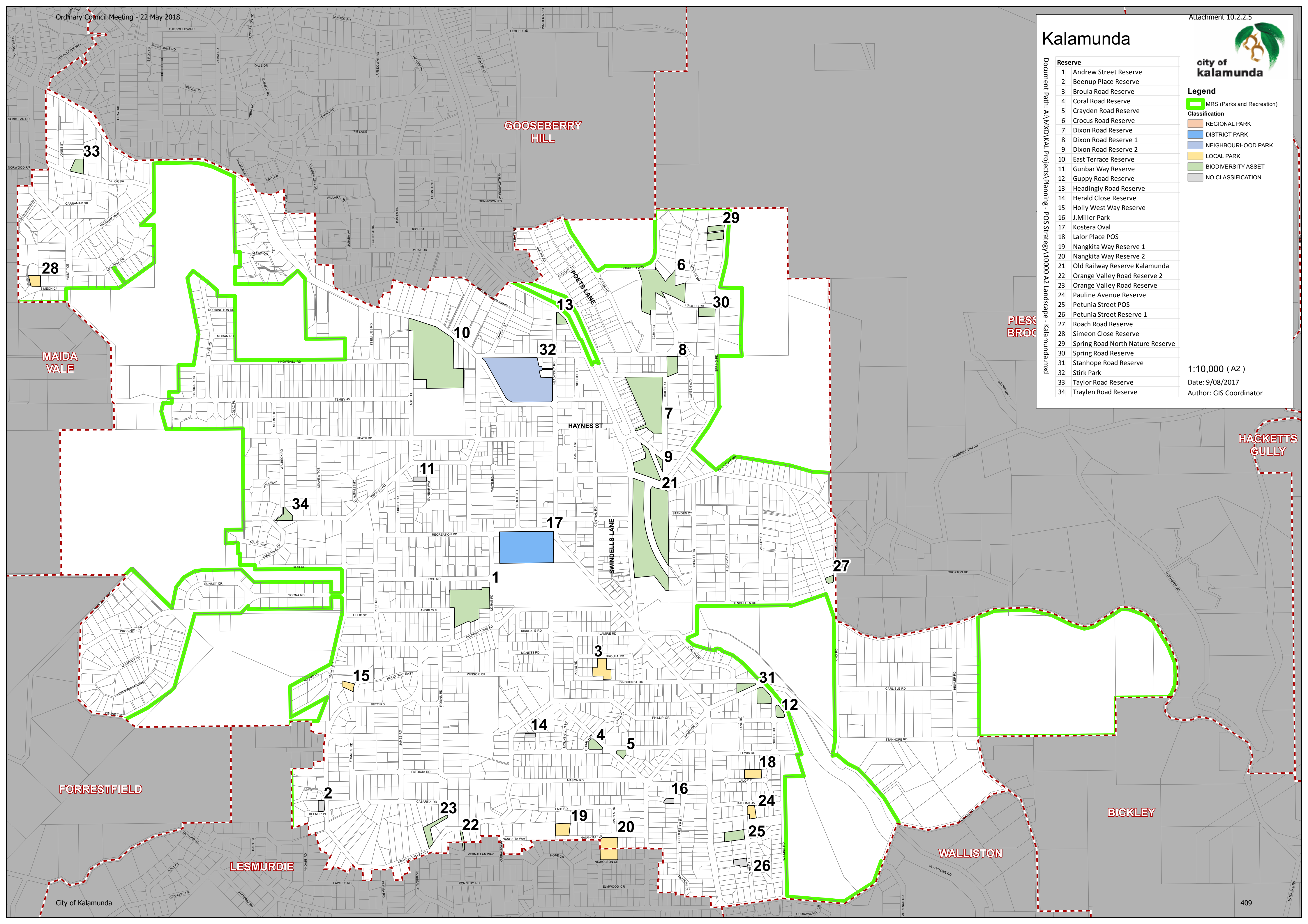
- Andrew Street Reserve
- Beenup Place Reserve
- Broula Road Reserve
- Coral Road Reserve
- Crayden Road Reserve
- Crocus Road Reserve
- Dixon Road Reserve
- Dixon Road Reserve 1
- Dixon Road Reserve 2
- East Terrace Reserve
- Gunbar Way Reserve
- Guppy Road Reserve
- Headingly Road Reserve
- Herald Close Reserve
- Holly West Way Reserve
- J. Miller Park
- Kostera Oval
- Lalor Place POS
- Nangkita Way Reserve 1
- Nangkita Way Reserve 2
- Old Railway Reserve Kalamunda
- Orange Valley Road Reserve 2
- Orange Valley Road Reserve
- Pauline Avenue Reserve
- Petunia Street POS
- Petunia Street Reserve 1
- Roach Road Reserve
- Simeon Close Reserve
- Spring Road North Nature Reserve
- Spring Road Reserve
- Stanhope Road Reserve
- Stirk Park
- Taylor Road Reserve
- Traylen Road Reserve

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Date: 9/08/2017

Author: GIS Coordinator

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FORRESTFIELD

KALAMUNDA

BICKLEY

WALLISTON

CARMEL

CANNING MILLS

Lesmurdie

Reserve					
1	Anthony Heslop Reserve	13	Gladys Road Reserve	25	Mick Conti Park
2	Anthony Street Reserve	14	Glen Road POS	26	Nangkita Way Reserve 2
3	Barbigal Place Reserve 1	15	Godwin Street Reserve	27	Neil Tonkin Park / Falls Farm Reserve
4	Barbigal Place Reserve 2	16	Goodall Street Reserve	28	Nelson Crescent Reserve 2
5	Basildon Reserve	17	Hugh Sanderson Reserve	29	Nelson Crescent Reserve
6	Bill Shaw Reserve	18	Joyce Street Reserve 1	30	Northolt Street Reserve
7	Elmwood Crescent Reserve	19	Joyce Street Reserve 2	31	Orange Valley Road Reserve 2
8	Fall Road Reserve	20	Kershaw Avenue Reserve	32	Pagotto Park
9	Flora Terrace Reserve	21	Lawley Road Reserve	33	Peter Thiel Reserve
10	Ford Road Reserve	22	Lesmurdie Road Reserve	34	Ray Owen Reserve
11	Fred Eversden Reserve	23	Mario Court POS	35	Ryan Way Reserve
12	Gladys Road Reserve 2	24	Mary Drive Reserve	36	Sanderson Road Reserve / Pax Hill
13	Gladys Road Reserve	25	Mick Conti Park	37	Seaton Park
14	Glen Road POS	26	Nangkita Way Reserve 2	38	Silverdale Road Reserve
15	Godwin Street Reserve	27	Neil Tonkin Park / Falls Farm Reserve	39	Stirkwood Estate Reserve
16	Goodall Street Reserve	28	Nelson Crescent Reserve 2	40	Stone Road Reserve
17	Hugh Sanderson Reserve	29	Nelson Crescent Reserve	41	Tindale Road Reserve
18	Joyce Street Reserve 1	30	Northolt Street Reserve	42	Trafalgar Road Reserve
19	Joyce Street Reserve 2	31	Orange Valley Road Reserve 2	43	Trott Road Reserve
20	Kershaw Avenue Reserve	32	Pagotto Park	44	Turner Park
21	Lawley Road Reserve	33	Peter Thiel Reserve	45	Vernallan Way Reserve
22	Lesmurdie Road Reserve	34	Ray Owen Reserve	46	Victory Place Reserve
23	Mario Court POS	35	Ryan Way Reserve	47	Willoughby Reserve
24	Mary Drive Reserve	36	Sanderson Road Reserve / Pax Hill		

Legend

MRS (Parks and Recreation)


Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION


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
Reserve	
1	Berry Drive Reserve
2	Booralie Way Reserve
3	Bugendore Street Reserve
4	Casuarina Road Reserve
5	Crumpet Creek Reserve 2
6	Davies Park
7	Hawtin Road Reserve 1
8	Kalamunda Road Reserve
9	Maida Vale Recreation Reserve
10	Melway Drive Reserve
11	Millson Reserve
12	Nestle Brae Creek Reserve
13	Norwood Reserve
14	Poison Gully Creek Reserve
15	Poison Gully Pinker Crescent
16	Saddleback Circle Reserve
17	Scenic Drive Reserve


Legend


 MRS (Parks and Recreation)


Classification


 REGIONAL PARK

 DISTRICT PARK

 NEIGHBOURHOOD PARK

 LOCAL PARK

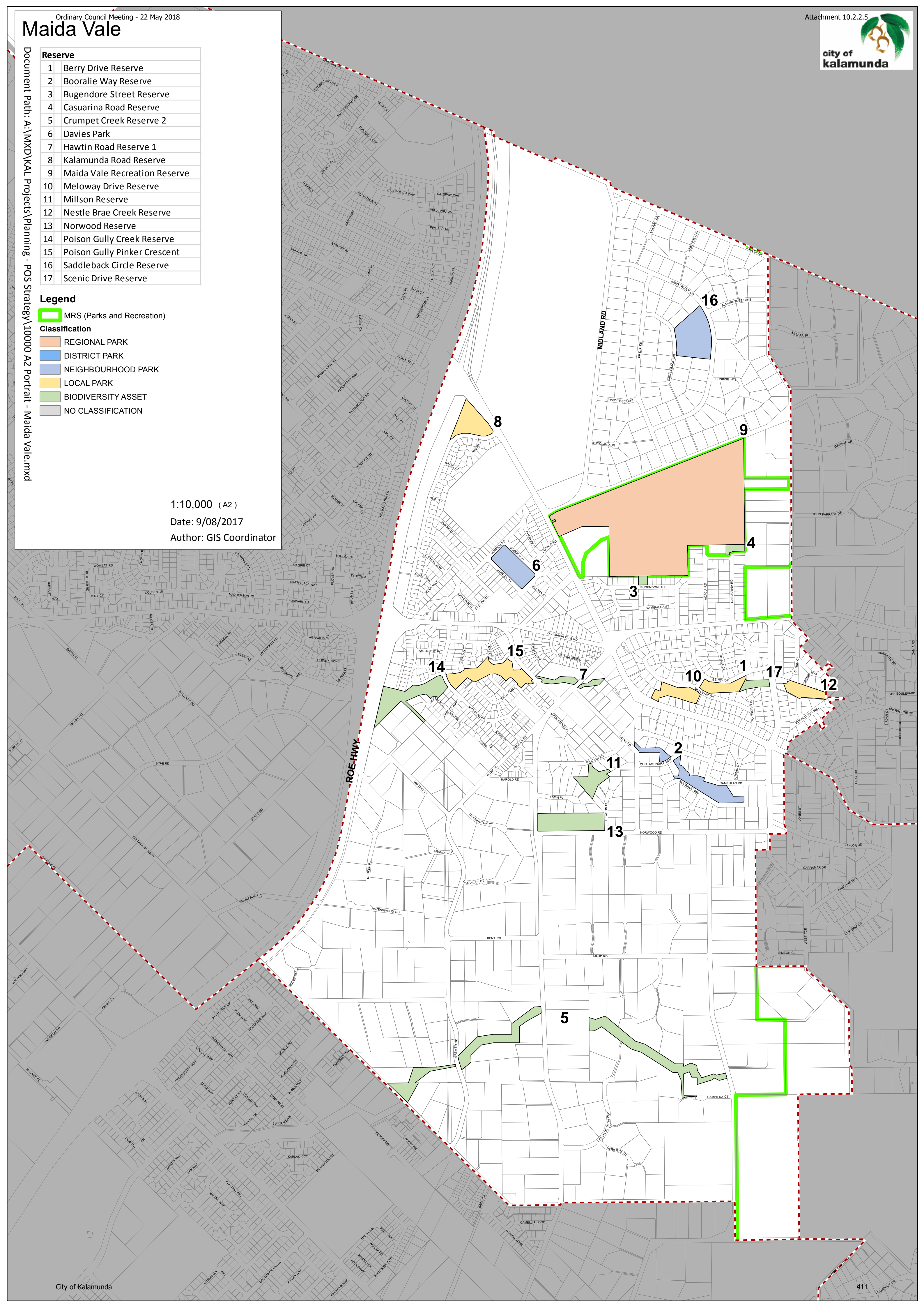
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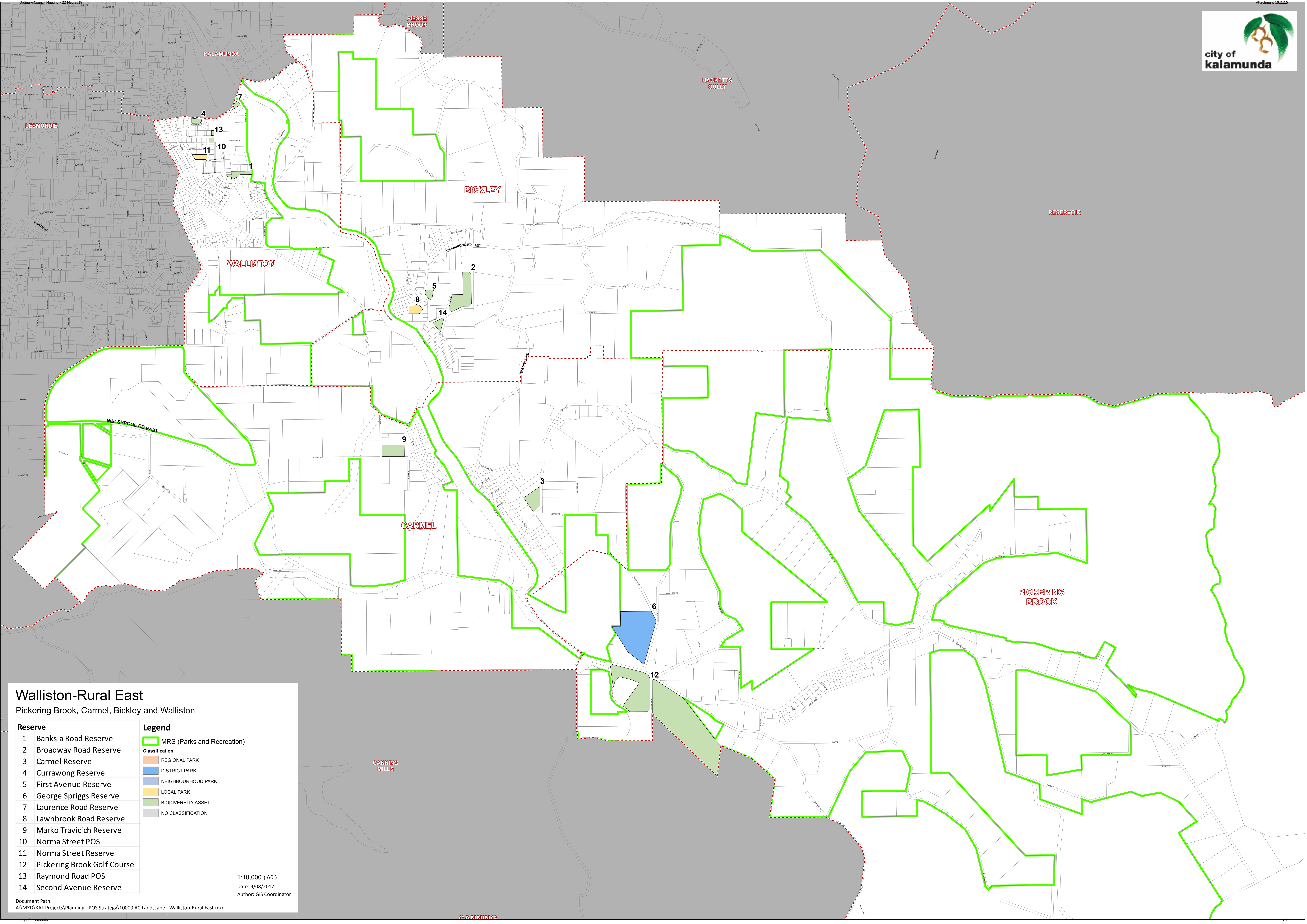
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Date: 9/08/2017

Author: GIS Coordinator





Walliston-Rural East

Pickering Brook, Carmel, Bickley and Walliston

Reserve	
1	Banksia Road Reserve
2	Broadway Road Reserve
3	Carmel Reserve
4	Currawong Reserve
5	First Avenue Reserve
6	George Spriggs Reserve
7	Laurence Road Reserve
8	Lawnbrook Road Reserve
9	Marko Travicich Reserve
10	Norma Street POS
11	Norma Street Reserve
12	Pickering Brook Golf Course
13	Raymond Road POS
14	Second Avenue Reserve

Legend	
	MRS (Parks and Recreation)
Classification	
	REGIONAL PARK
	DISTRICT PARK
	NEIGHBOURHOOD PARK
	LOCAL PARK
	BIODIVERSITY ASSET
	NO CLASSIFICATION

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Date: 9/08/2017
Author: GIS Coordinator

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Wattle Grove

Document Path:
A:\MXD\KAL Projects\Planning - POS Strategy\1000 A1 Landscape - Wattle Grove.mxd

Reserve
1 Fennell Crescent POS
2 Gavour Road Reserve
3 Gillings Parade POS
4 Grass Tree Reserve
5 Hardey East Road Reserve
6 Hartfield Road Creekline Reserve
7 Kalari Drive POS
8 Lewis Road Reserve
9 Maamba Road POS
10 Olivine Gardens Reserve
11 Sheffield Estate
12 The Promenade POS
13 Willow Lake Estate
14 Woodlupine Creek Undeveloped Reserve
15 Yule Brook Estate

MRS (Parks and Recreation)

Classification

REGIONAL PARK

DISTRICT PARK

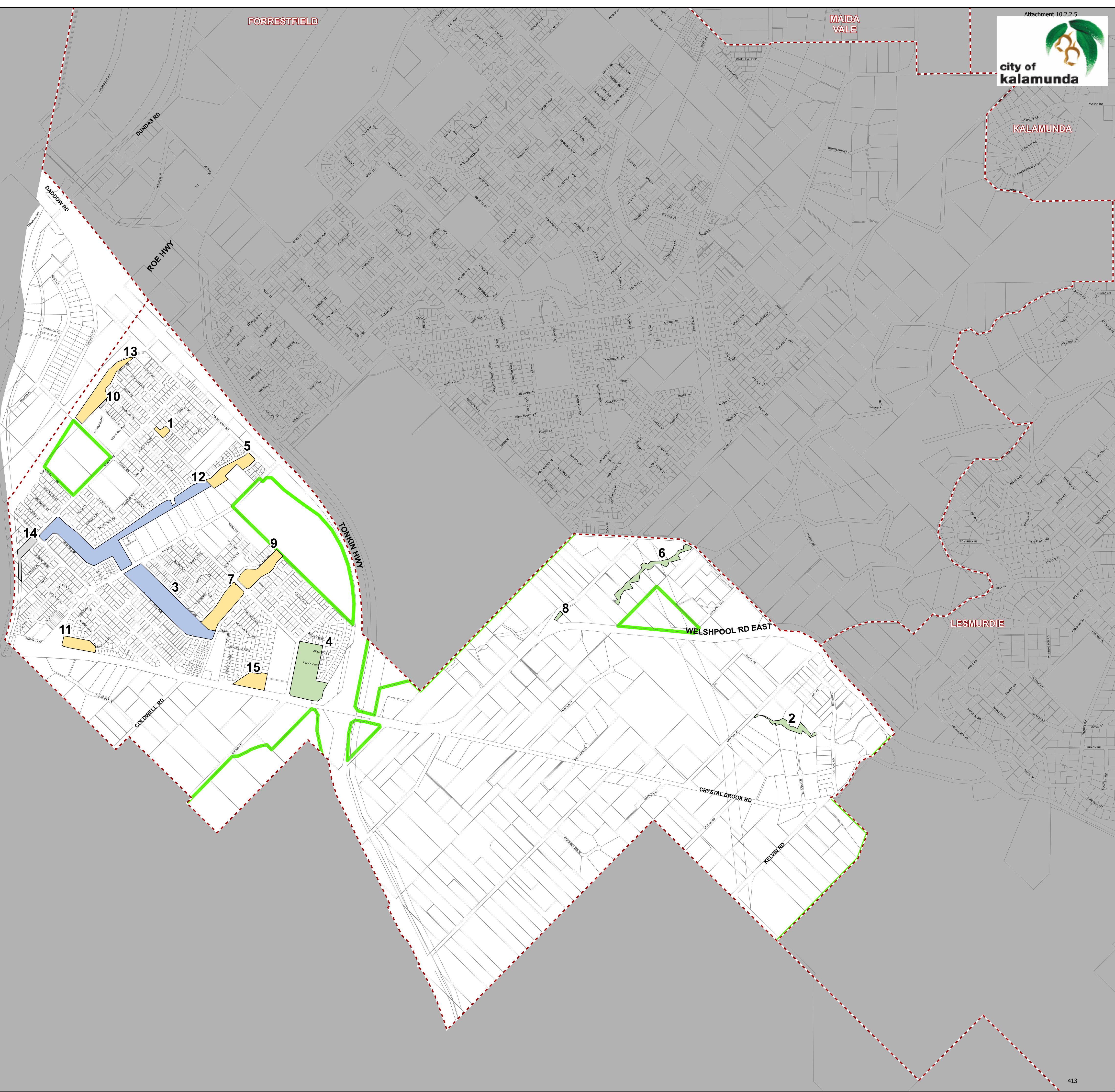
NEIGHBOURHOOD PARK

LOCAL PARK

BIODIVERSITY ASSET

NO CLASSIFICATION

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Date: 9/08/2017
Author: GIS Coordinator



APPENDIX 8: POS FUNCTION – MAPPING

DRAFT

Forrestfield

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Reserve	
1	Akebia Way Reserve
2	Almond Way POS
3	Anderson Road Bushland
4	Anderson Road Park
5	Berberis Way Reserve
6	Berkshire Road Reserve
7	Blackbutt Way Reserve
8	Boodjera Bend Reserve
9	Cambridge Road Reserve
10	Connaught Street Reserve
11	Crumpet Creek Reserve 2
12	Dawson Avenue Reserve
13	Dawson Park
14	Edinburgh Road Reserve
15	Fagin Way Reserve
16	Gala Way POS
17	Garden Brook Estate
18	Hale Road Easement
19	Gotha Way POS
20	Hartfield Park
21	Juniper Way Reserve
22	Lincoln Road Reserve
23	Magnolia Way Reserve
24	Orchid Park Estate 1
25	Orchid Park Estate 2
26	Orchid Park Estate 3
27	Pioneer Park
28	Preece Court Reserve
29	Redgum Reserve
30	Stringybark Drive Reserve
31	Sultana Road East POS
32	Sussex Road Reserve
33	Tillia Court Reserve
34	Tyler Mews Park
35	Virgillia Way Reserve
36	Woodlupine Brook (East)
37	Woodlupine Brook Reserve

Legend

Function 3

- Sport
- Recreation
- Nature

Function 2

- Sport
- Recreation
- Nature

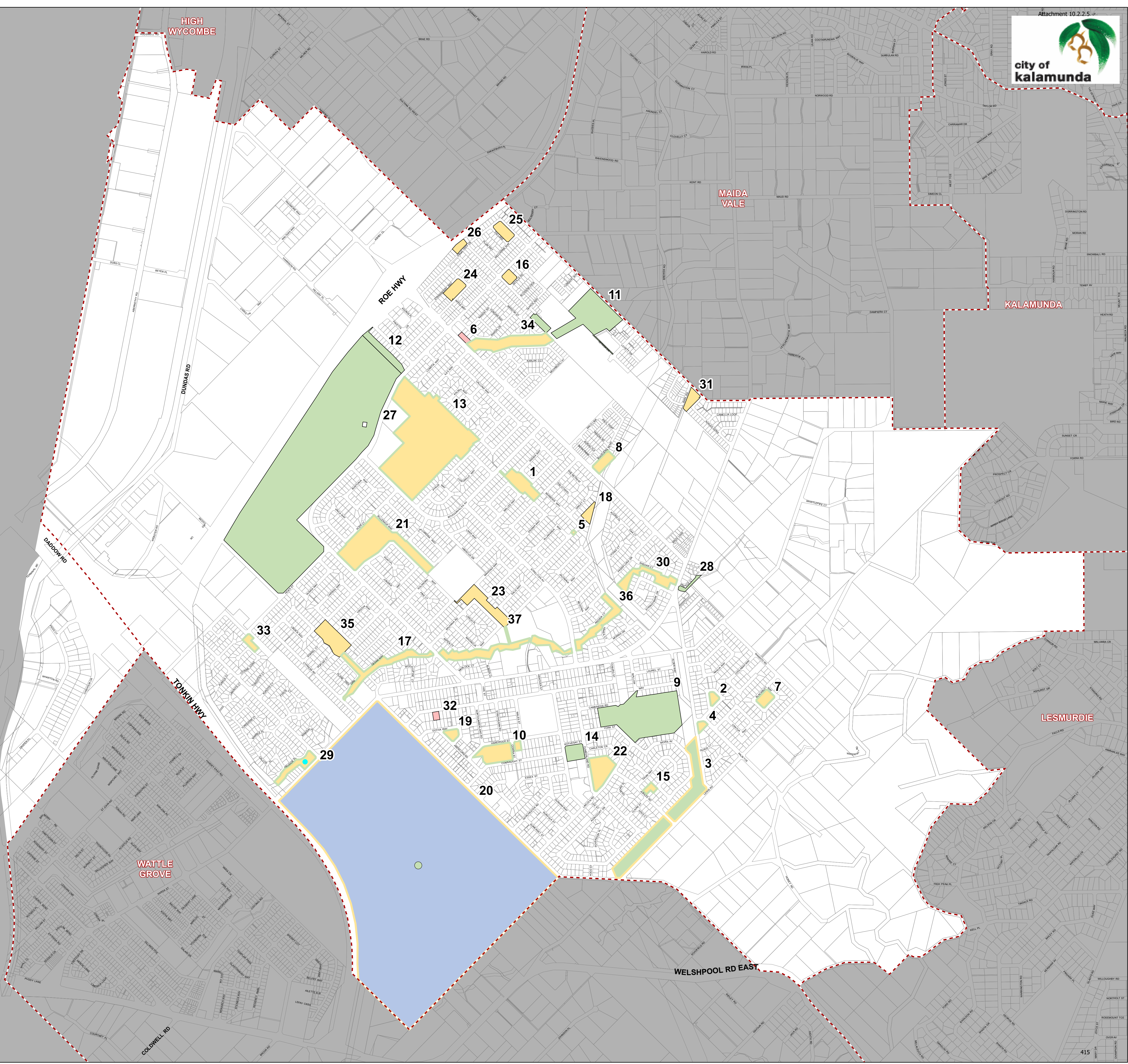
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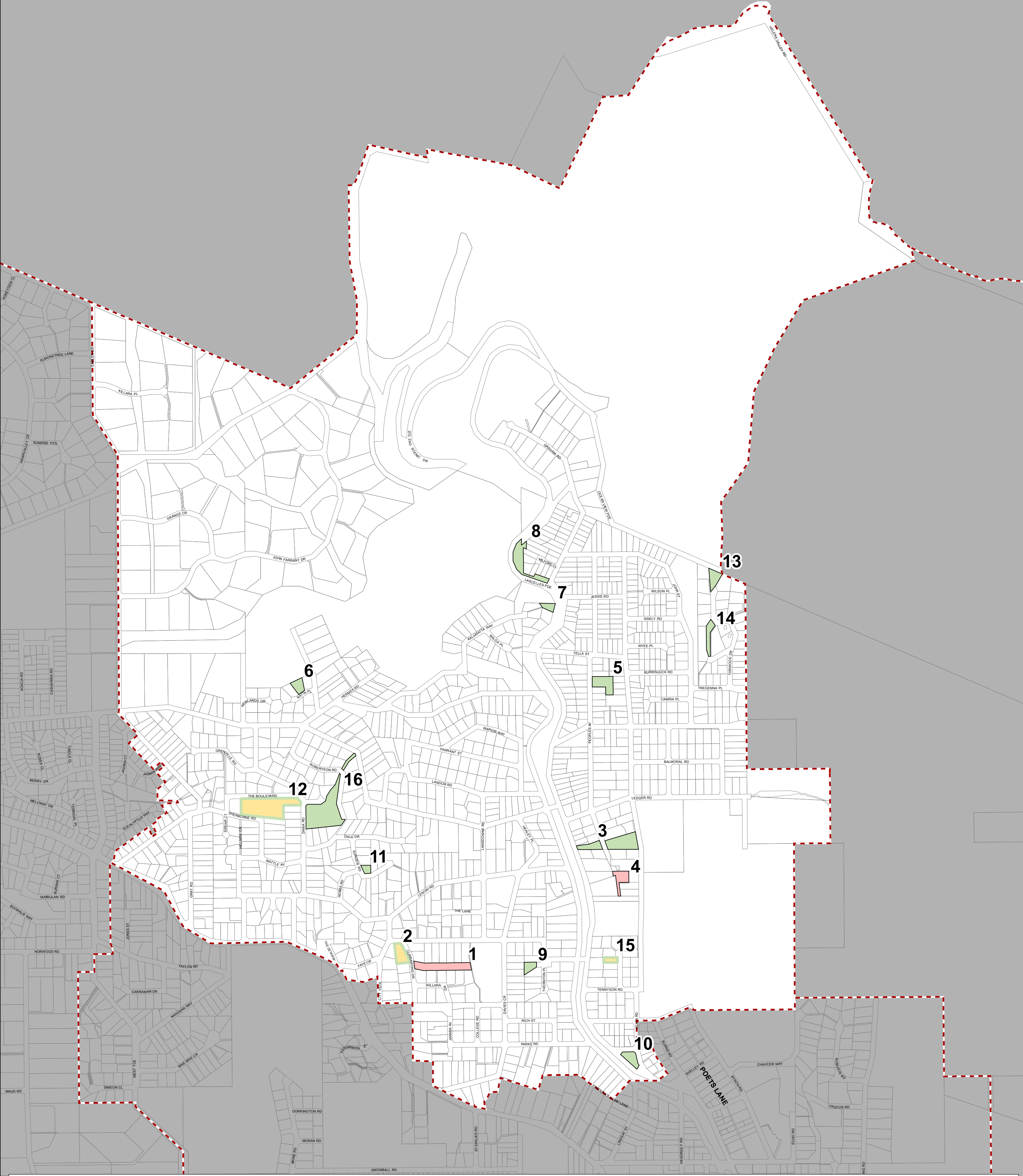
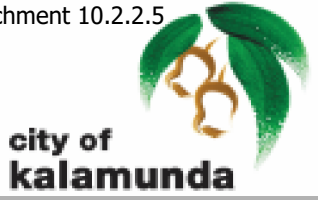
- Sport
- Recreation
- Nature
- No Function

1:10,000 (A1)

Date: 9/08/2017

Author: GIS Coordinator





Gooseberry Hill

Reserve			
1	Currawong Drive Reserve	9	Noel Road Reserve
2	Currawong POS	10	Old Railway Reserve
3	Huntley Street Reserve	11	Sundew Road Reserve
4	Huntley Street Reserve South	12	The Boulevard Reserve
5	Kardina Park	13	Torwood Drive Reserve 1
6	Katta Place Reserve	14	Torwood Drive Reserve 2
7	Lascelles Parade Reserve 1	15	Wordsworth Reserve
8	Lascelles Parade Reserve 2	16	Zamia Road Reserve

Legend

Function 3

Sport

Recreation

Nature

Function 2

Sport

Recreation

Nature

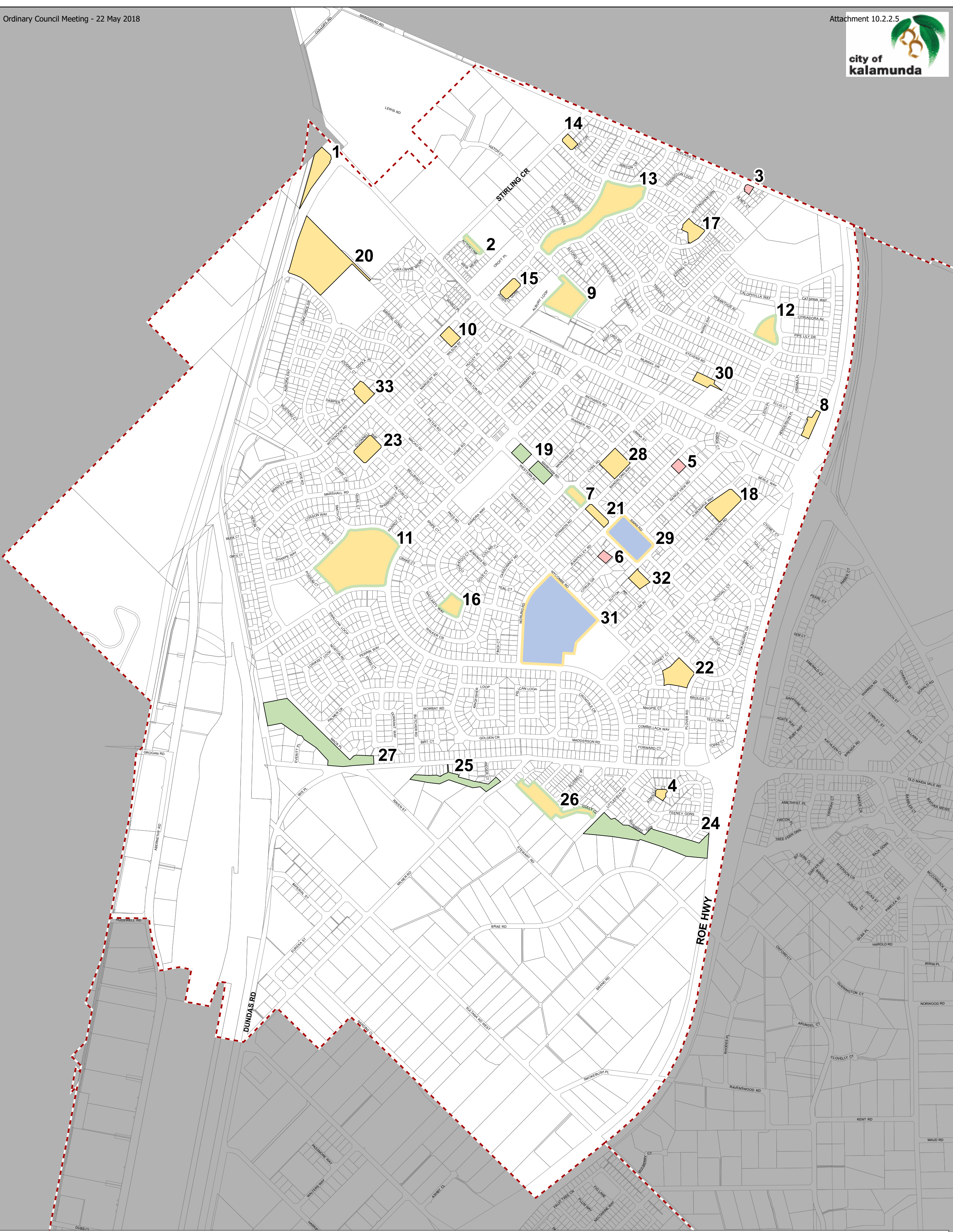
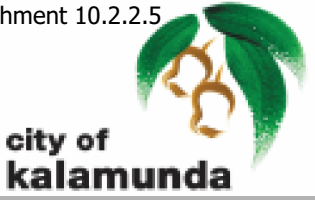
Function 1

Sport

Recreation

Nature

No Function



High Wycombe

Reserve					
1	Abernethy Road Reserve	10	Emms Reserve	18	Mackenzie Park
2	Acton Link Reserve	11	Fleming Reserve	19	Markham Road Reserve
3	Adelaide Street Reserve	12	Gladys Newton Park	20	Ollie Worrell Reserve
4	Agraulia Court Park	13	Jacaranda Springs Estate 1	21	Peter Annus Park
5	Bandalong Way Reserve	14	Jacaranda Springs Estate 2	22	Peter Hegney Park
6	Citrus Grove Reserve	15	Jacaranda Springs Estate 3	23	Pine Tree Reserve
7	Cyril Road Reserve	16	John McLarty Park	24	Poison Gully Littlefield
8	Ellis Court POS	17	Larwood Crescent POS	25	Poison Gully Milner
9	Elmore Way Park				
				26	Poison Gully Springvale / Bluebell Park
				27	Poison Gully West
				28	Progress Park
				29	Rangeview Park
				30	Robert Hewson Park
				31	Scott Reserve
				32	Swan Road Reserve
				33	Viv Robinson Park

Legend

Function 3	Function 2	Function 1
Sport	Recreation	Sport
Nature	Nature	Recreation
		No Function

1:10,000 (A2)
Date: 9/08/2017
Author: GIS Coordinator

Kalamunda



city of
kalamunda

Legend

Function 3

- Sport
- Recreation
- Nature

Function 2

- Sport
- Recreation
- Nature

Function 1

- Sport
- Recreation
- Nature
- No Function

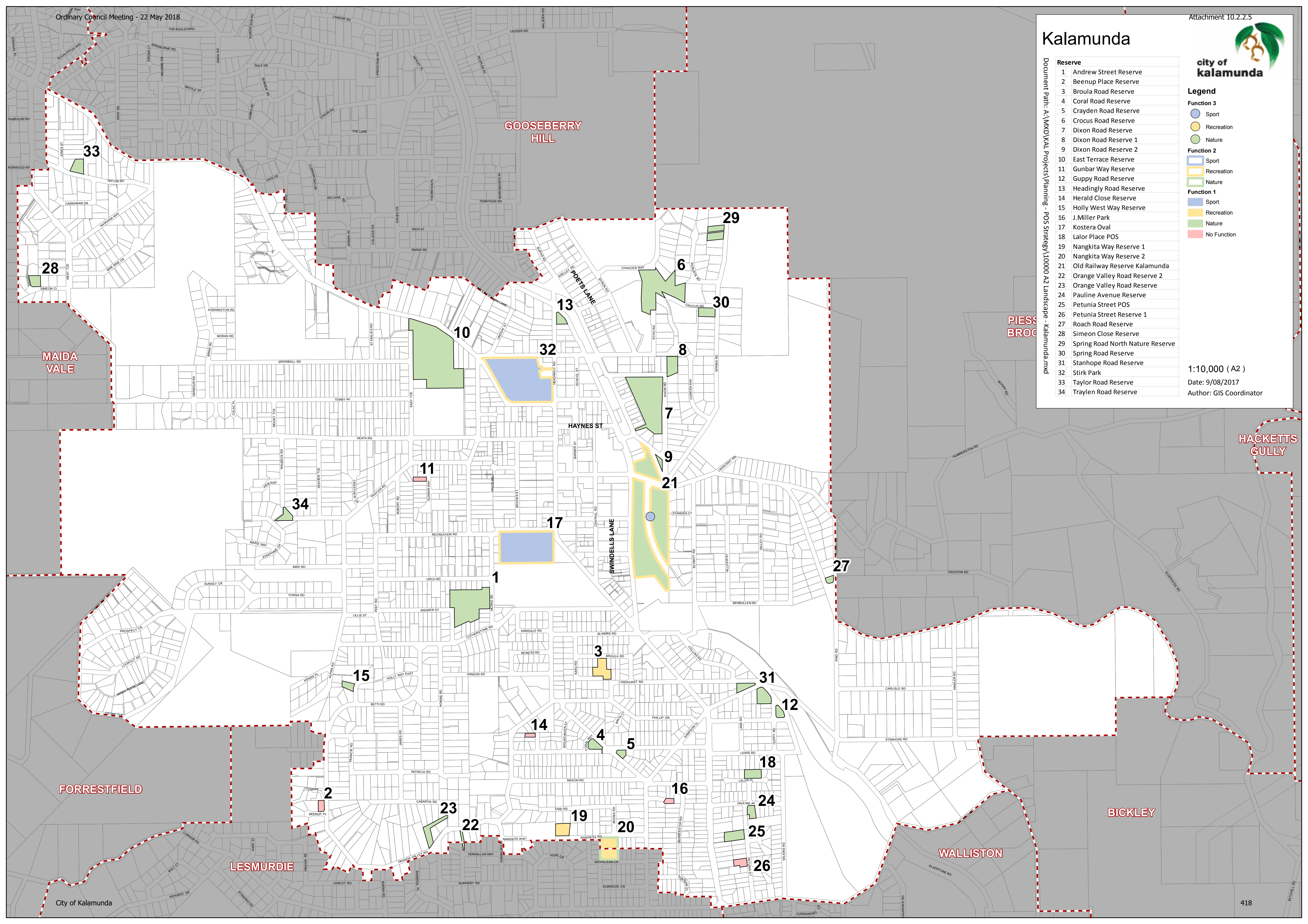
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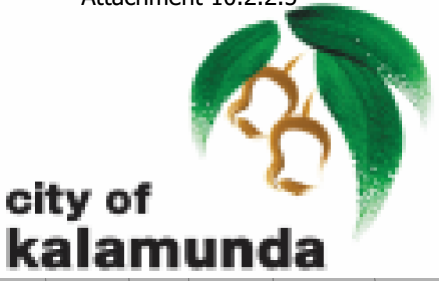
- Andrew Street Reserve
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- Crocus Road Reserve
- Dixon Road Reserve
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- Petunia Street POS
- Petunia Street Reserve 1
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- Spring Road North Nature Reserve
- Spring Road Reserve
- Stanhope Road Reserve
- Stirk Park
- Taylor Road Reserve
- Traylen Road Reserve

1:10,000 (A2)

Date: 9/08/2017

Author: GIS Coordinator





FORRESTFIELD

KALAMUNDA

BICKLEY

WALLISTON

CARMEL

CANNING MILLS

Lesmurdie

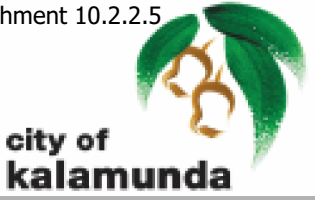
Reserve					
1	Anthony Heslop Reserve	13	Gladys Road Reserve	25	Mick Conti Park
2	Anthony Street Reserve	14	Glen Road POS	26	Nangkita Way Reserve 2
3	Barbigal Place Reserve 1	15	Godwin Street Reserve	27	Neil Tonkin Park / Falls Farm Reserve
4	Barbigal Place Reserve 2	16	Goodall Street Reserve	28	Nelson Crescent Reserve 2
5	Basildon Reserve	17	Hugh Sanderson Reserve	29	Nelson Crescent Reserve
6	Bill Shaw Reserve	18	Joyce Street Reserve 1	30	Northolt Street Reserve
7	Elmwood Crescent Reserve	19	Joyce Street Reserve 2	31	Orange Valley Road Reserve 2
8	Fall Road Reserve	20	Kershaw Avenue Reserve	32	Pagotto Park
9	Flora Terrace Reserve	21	Lawley Road Reserve	33	Peter Thiel Reserve
10	Ford Road Reserve	22	Lesmurdie Road Reserve	34	Ray Owen Reserve
11	Fred Eversden Reserve	23	Mario Court POS	35	Ryan Way Reserve
12	Gladys Road Reserve 2	24	Mary Drive Reserve	36	Sanderson Road Reserve / Pax Hill
13				37	Seaton Park
14				38	Silverdale Road Reserve
15				39	Stirkwood Estate Reserve
16				40	Stone Road Reserve
17				41	Tindale Road Reserve
18				42	Trafalgar Road Reserve
19				43	Trott Road Reserve
20				44	Turner Park
21				45	Vernallan Way Reserve
22				46	Victory Place Reserve
23				47	Willoughby Reserve

Legend

Function 3	Function 2	Function 1
Sport	Sport	Sport
Recreation	Recreation	Recreation
Nature	Nature	Nature
		No Function

Maida Vale

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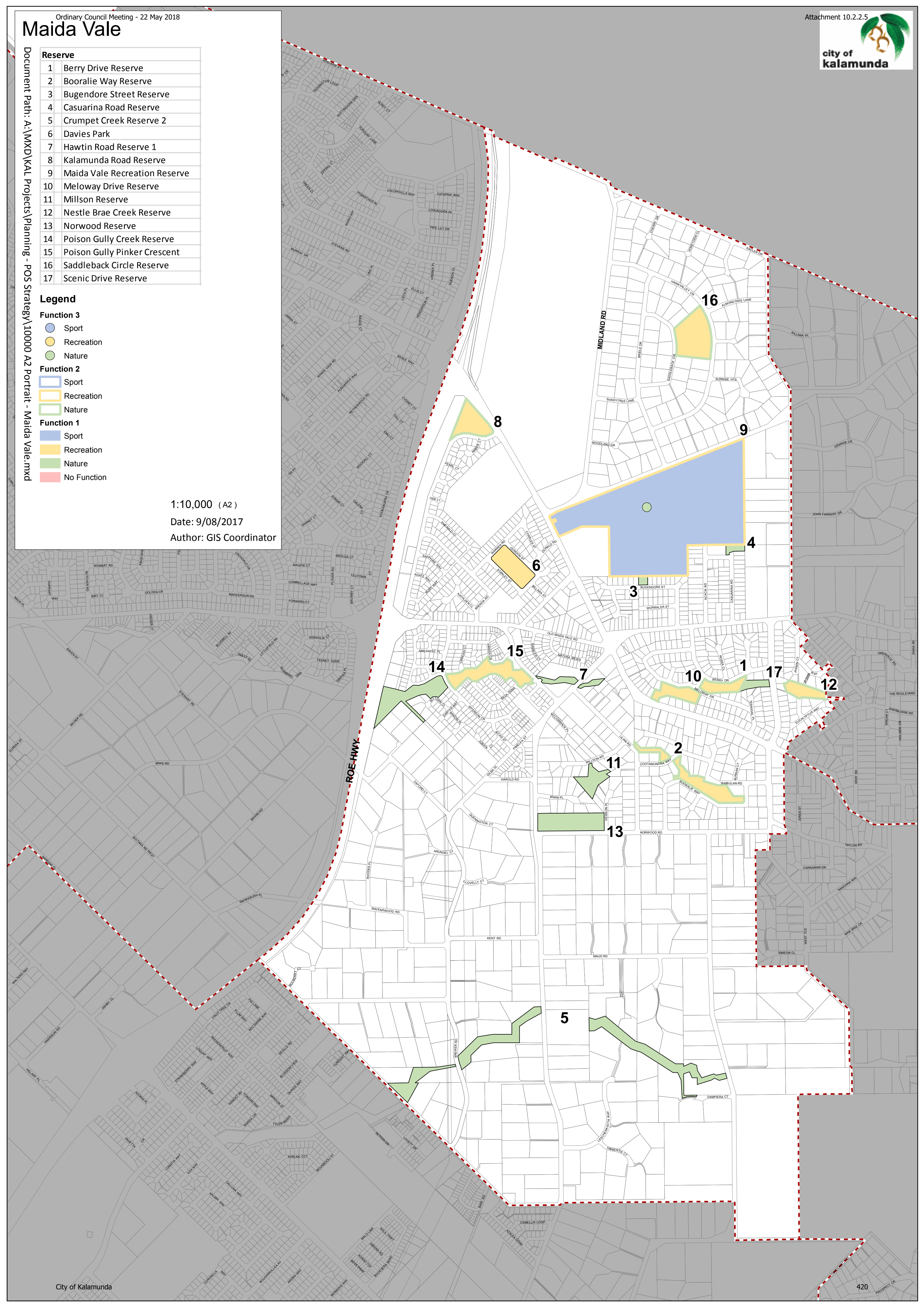
Reserve	
1	Berry Drive Reserve
2	Booralie Way Reserve
3	Bugendore Street Reserve
4	Casuarina Road Reserve
5	Crumpet Creek Reserve 2
6	Davies Park
7	Hawtin Road Reserve 1
8	Kalamunda Road Reserve
9	Maida Vale Recreation Reserve
10	Meloway Drive Reserve
11	Millson Reserve
12	Nestle Brae Creek Reserve
13	Norwood Reserve
14	Poison Gully Creek Reserve
15	Poison Gully Pinker Crescent
16	Saddleback Circle Reserve
17	Scenic Drive Reserve

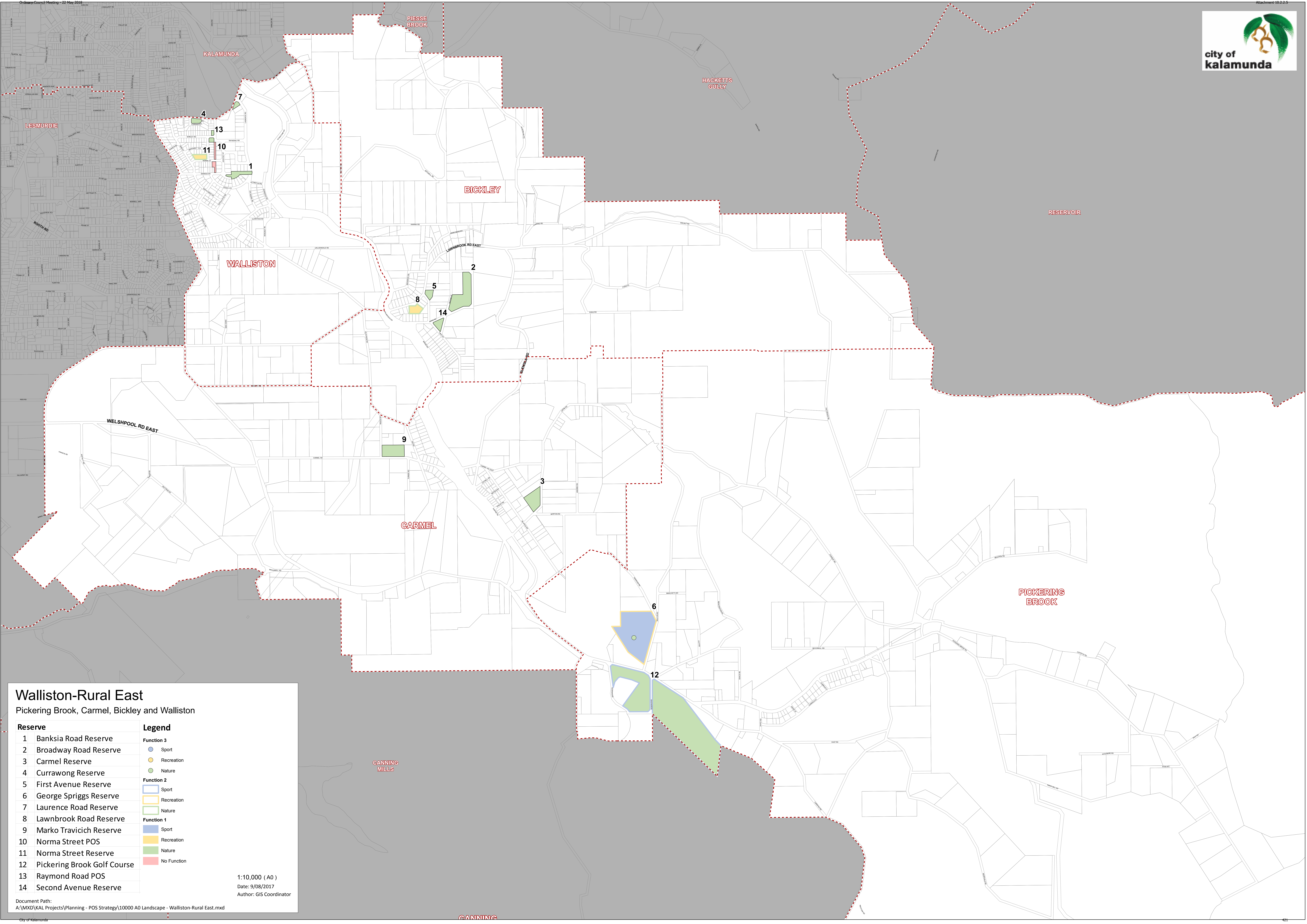
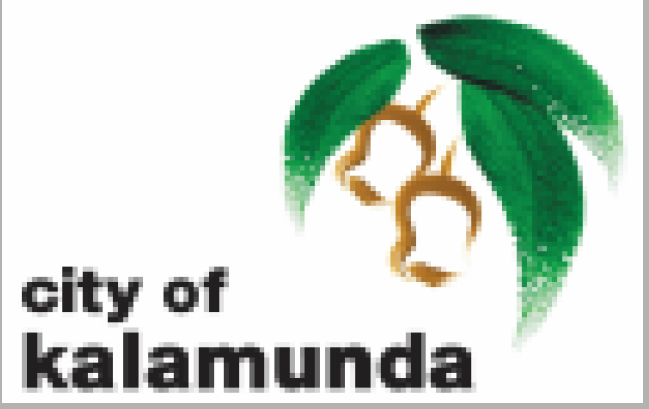
- Legend**
- Function 3**
- Sport
 - Recreation
 - Nature
- Function 2**
- Sport
 - Recreation
 - Nature
- Function 1**
- Sport
 - Recreation
 - Nature
 - No Function

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Author: GIS Coordinator





Walliston-Rural East

Pickering Brook, Carmel, Bickley and Walliston

Reserve	
1	Banksia Road Reserve
2	Broadway Road Reserve
3	Carmel Reserve
4	Currawong Reserve
5	First Avenue Reserve
6	George Spriggs Reserve
7	Laurence Road Reserve
8	Lawnbrook Road Reserve
9	Marko Travicich Reserve
10	Norma Street POS
11	Norma Street Reserve
12	Pickering Brook Golf Course
13	Raymond Road POS
14	Second Avenue Reserve

Legend

Function 3	
	Sport
	Recreation
	Nature
Function 2	
	Sport
	Recreation
	Nature
Function 1	
	Sport
	Recreation
	Nature
	No Function

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Wattle Grove

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Reserve	
1	Fennell Crescent POS
2	Gavour Road Reserve
3	Gillings Parade POS
4	Grass Tree Reserve
5	Hardey East Road Reserve
6	Hartfield Road Creekline Reserve
7	Kalari Drive POS
8	Lewis Road Reserve
9	Maamba Road POS
10	Olivine Gardens Reserve
11	Sheffield Estate
12	The Promenade POS
13	Willow Lake Estate
14	Woodlupine Creek Undeveloped Reserve
15	Yule Brook Estate

Legend

Function 3

- Sport
- Recreation
- Nature

Function 2

- Sport
- Recreation
- Nature

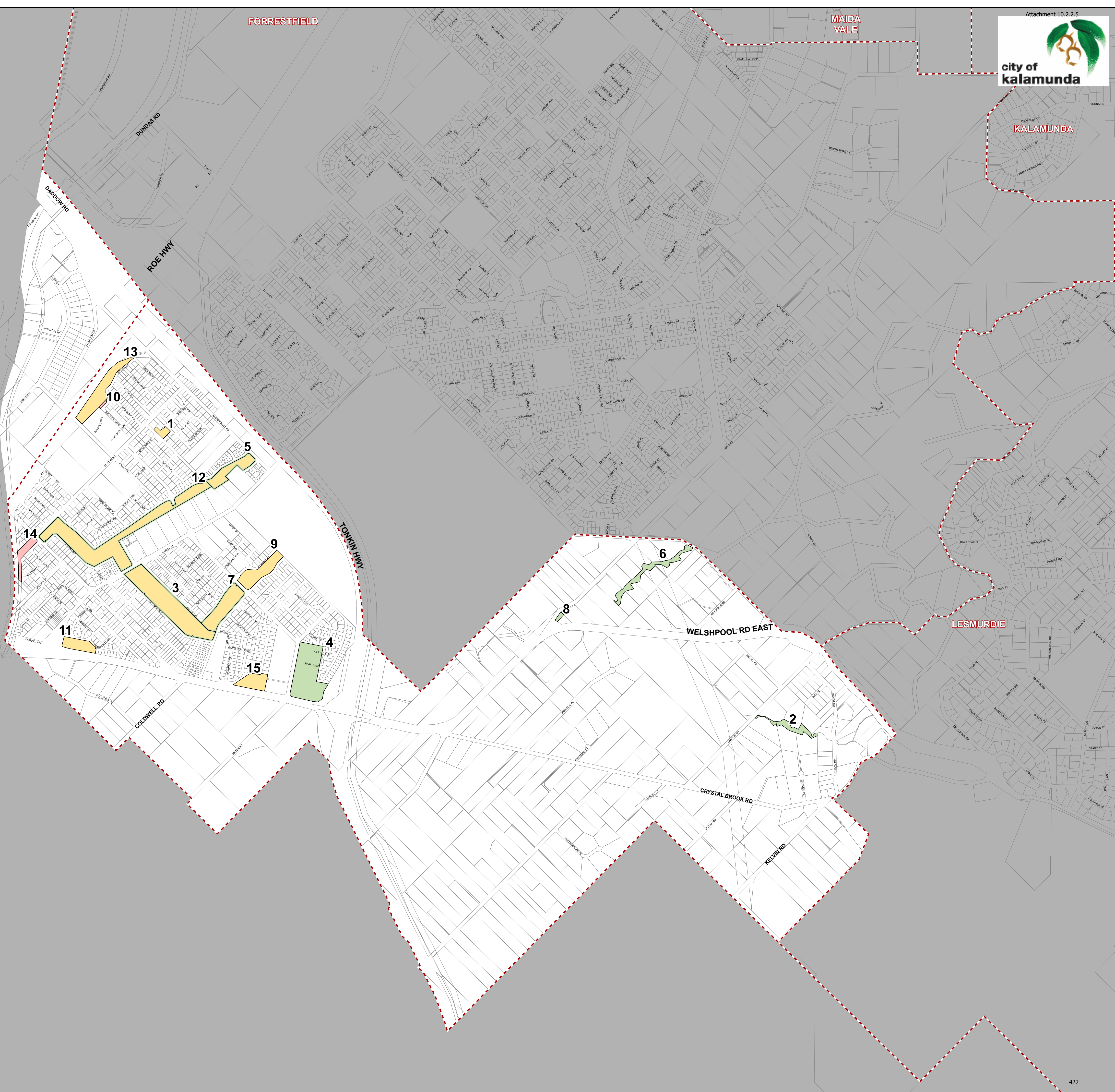
Function 1

- Sport
- Recreation
- Nature
- No Function

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Date: 9/08/2017

Author: GIS Coordinator



APPENDIX 9: POS CATCHMENTS – MAPPING

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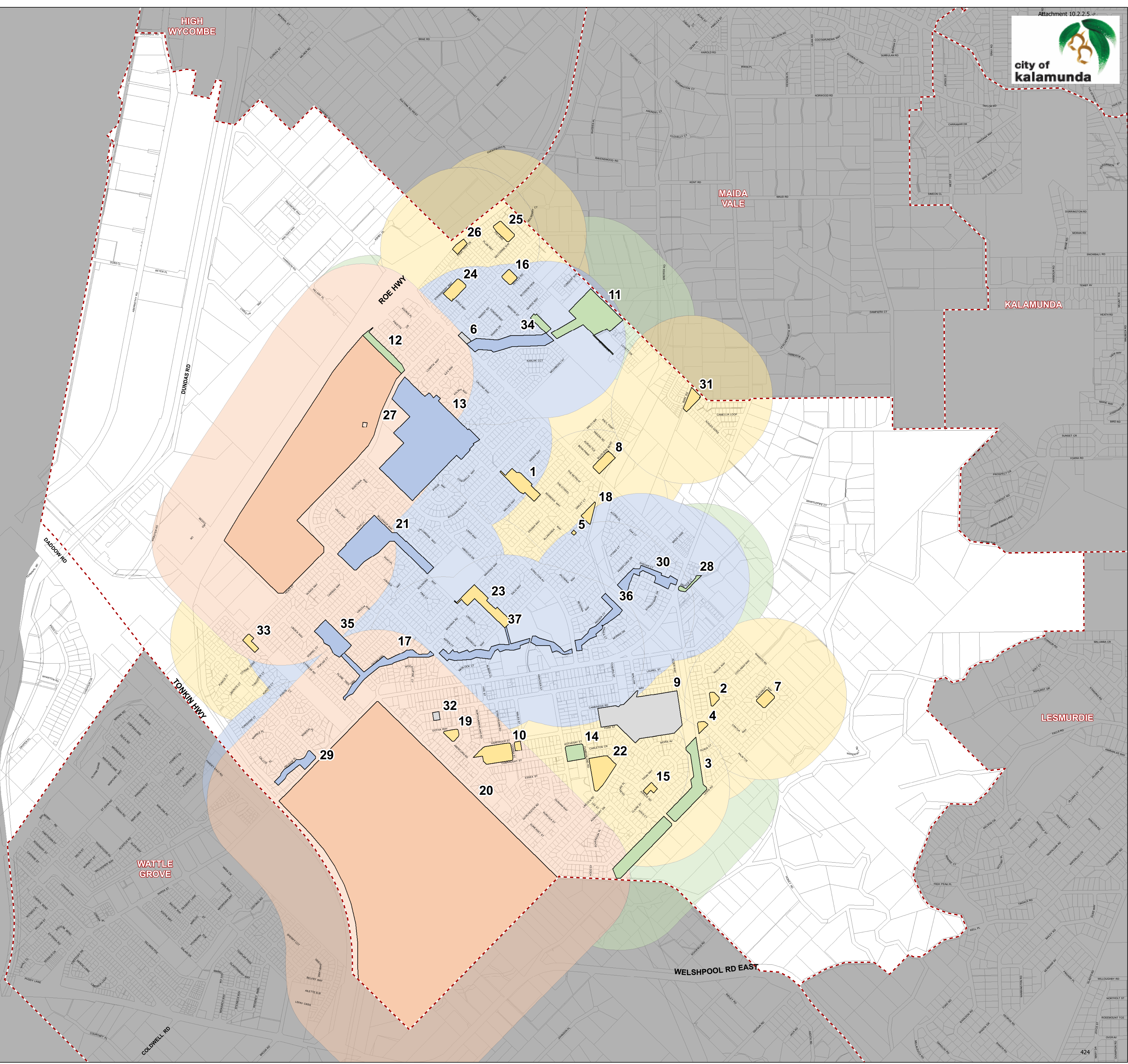
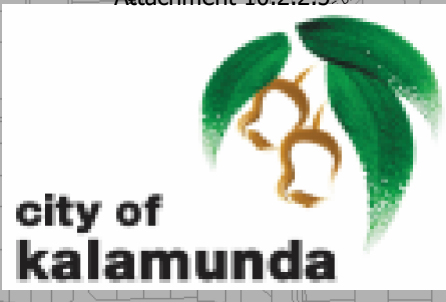
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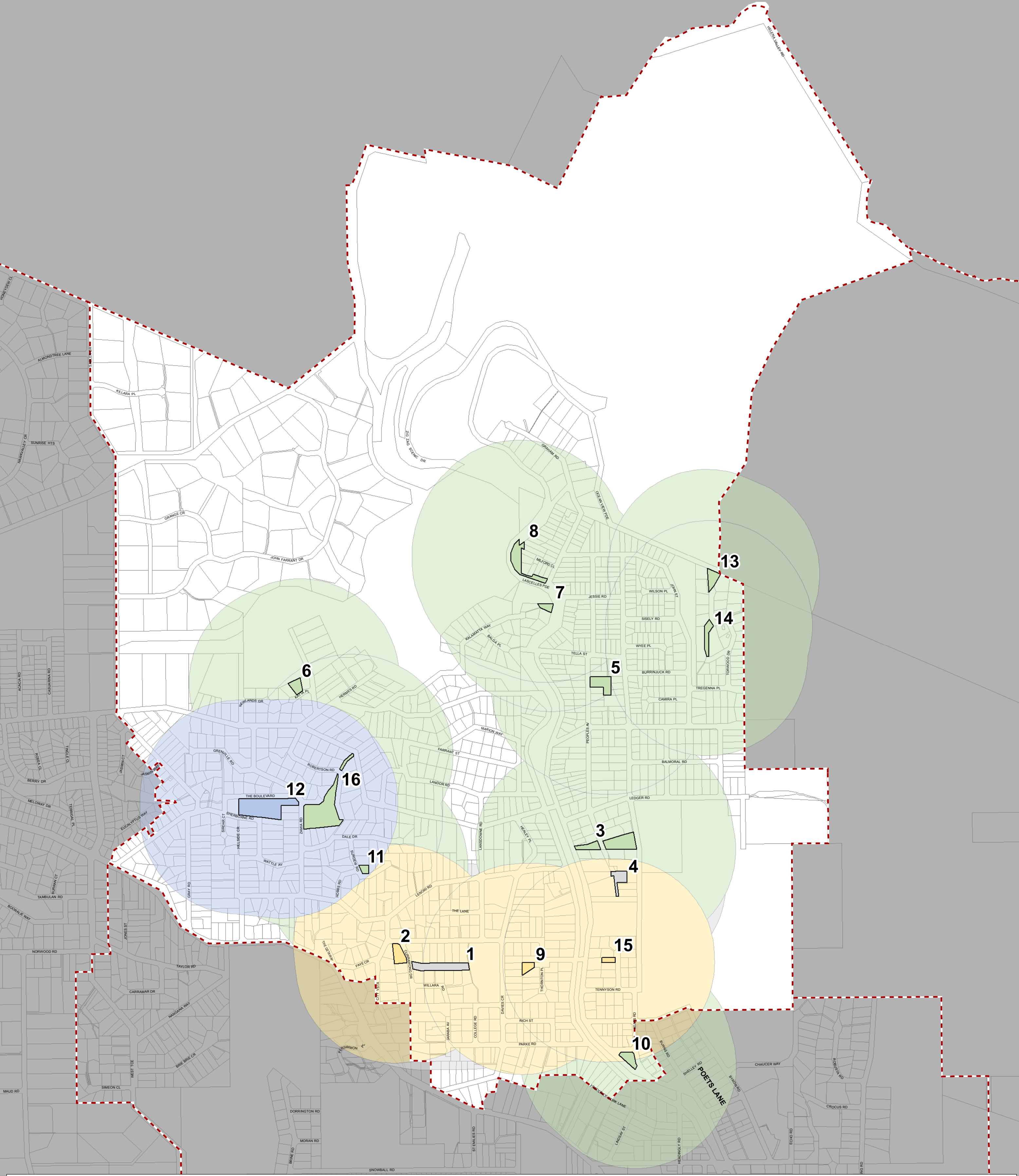
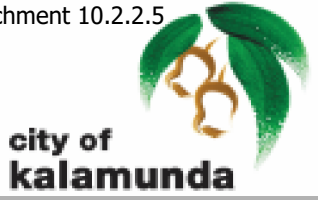
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Reserve	
1	Akebia Way Reserve
2	Almond Way POS
3	Anderson Road Bushland
4	Anderson Road Park
5	Berberis Way Reserve
6	Berkshire Road Reserve
7	Blackbutt Way Reserve
8	Boodjera Bend Reserve
9	Cambridge Road Reserve
10	Connaught Street Reserve
11	Crumpet Creek Reserve 2
12	Dawson Avenue Reserve
13	Dawson Park
14	Edinburgh Road Reserve
15	Fagin Way Reserve
16	Gala Way POS
17	Garden Brook Estate
18	Hale Road Easement
19	Gotha Way POS
20	Hartfield Park
21	Juniper Way Reserve
22	Lincoln Road Reserve
23	Magnolia Way Reserve
24	Orchid Park Estate 1
25	Orchid Park Estate 2
26	Orchid Park Estate 3
27	Pioneer Park
28	Preece Court Reserve
29	Redgum Reserve
30	Stringybark Drive Reserve
31	Sultana Road East POS
32	Sussex Road Reserve
33	Tillia Court Reserve
34	Tyler Mews Park
35	Virgillia Way Reserve
36	Woodlupine Brook (East)
37	Woodlupine Brook Reserve

Legend
Classification
<div></div> REGIONAL PARK
<div></div> DISTRICT PARK
<div></div> NEIGHBOURHOOD PARK
<div></div> LOCAL PARK
<div></div> BIODIVERSITY ASSET
<div></div> NO CLASSIFICATION
400m Catchments per Reserve
<div></div> REGIONAL PARK
<div></div> DISTRICT PARK
<div></div> NEIGHBOURHOOD PARK
<div></div> LOCAL PARK
<div></div> BIODIVERSITY ASSET
<div></div> NO CLASSIFICATION

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Date: 9/08/2017
Author: GIS Coordinator





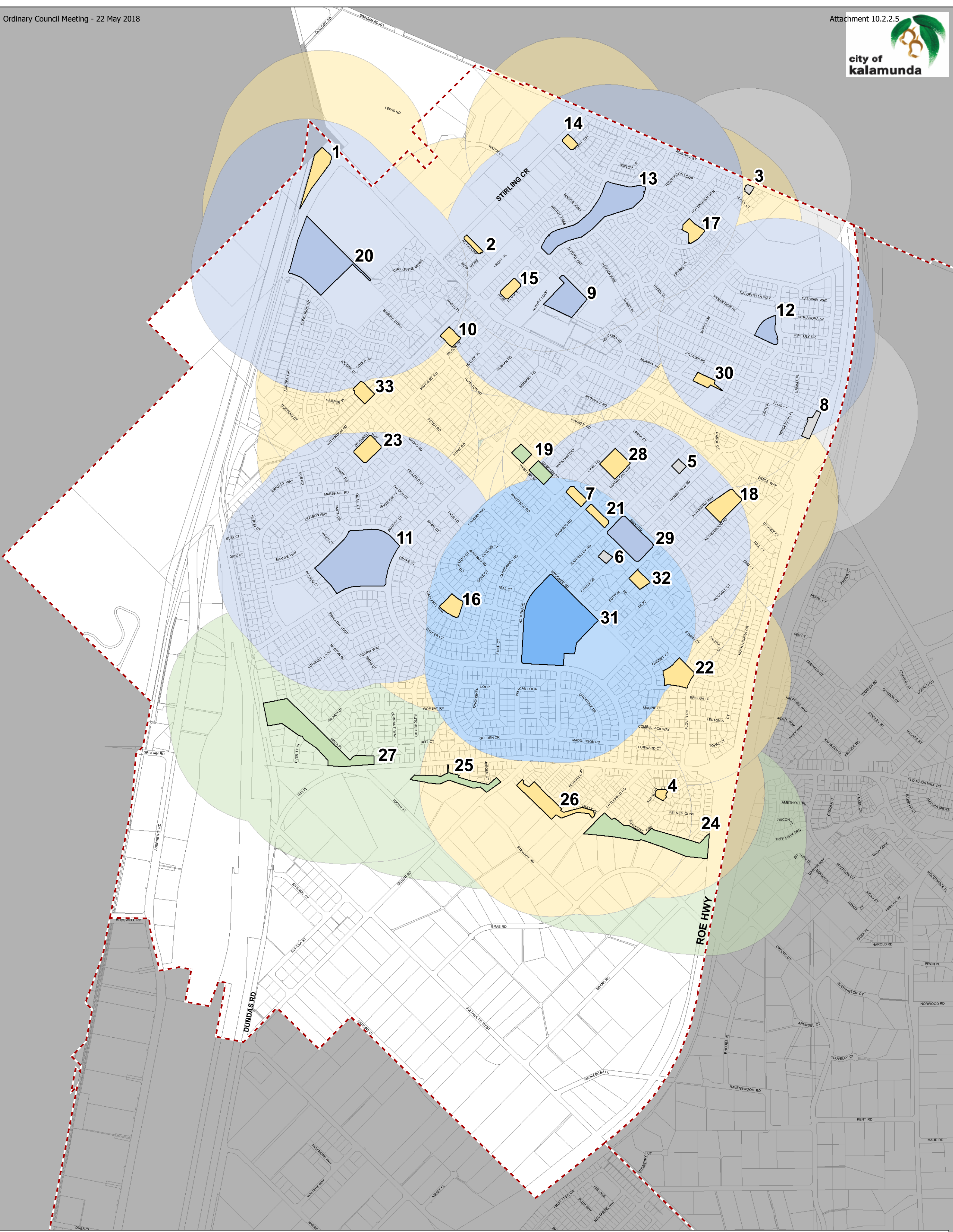
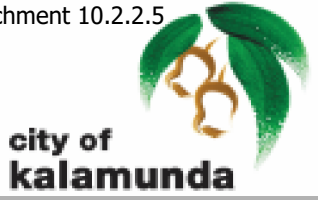
Gooseberry Hill

Reserve			
1	Currawong Drive Reserve	9	Noel Road Reserve
2	Currawong POS	10	Old Railway Reserve
3	Huntley Street Reserve	11	Sundew Road Reserve
4	Huntley Street Reserve South	12	The Boulevard Reserve
5	Kardina Park	13	Torwood Drive Reserve 1
6	Katta Place Reserve	14	Torwood Drive Reserve 2
7	Lascelles Parade Reserve 1	15	Wordsworth Reserve
8	Lascelles Parade Reserve 2	16	Zamia Road Reserve

Legend

Classification	400m Catchments per Reserve
REGIONAL PARK	REGIONAL PARK
DISTRICT PARK	DISTRICT PARK
NEIGHBOURHOOD PARK	NEIGHBOURHOOD PARK
LOCAL PARK	LOCAL PARK
BIODIVERSITY ASSET	BIODIVERSITY ASSET
NO CLASSIFICATION	NO CLASSIFICATION

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Date: 7/08/2017
Author: GIS Coordinator



High Wycombe

Reserve					
1	Abernethy Road Reserve	10	Emms Reserve	18	Mackenzie Park
2	Acton Link Reserve	11	Fleming Reserve	19	Markham Road Reserve
3	Adelaide Street Reserve	12	Gladys Newton Park	20	Ollie Worrell Reserve
4	Agraulia Court Park	13	Jacaranda Springs Estate 1	21	Peter Annus Park
5	Bandalong Way Reserve	14	Jacaranda Springs Estate 2	22	Peter Hegney Park
6	Citrus Grove Reserve	15	Jacaranda Springs Estate 3	23	Pine Tree Reserve
7	Cyril Road Reserve	16	John McLarty Park	24	Poison Gully Littlefield
8	Ellis Court POS	17	Larwood Crescent POS	25	Poison Gully Milner
9	Elmore Way Park				
				26	Poison Gully Springvale / Bluebell Park
				27	Poison Gully West
				28	Progress Park
				29	Rangeview Park
				30	Robert Hewson Park
				31	Scott Reserve
				32	Swan Road Reserve
				33	Viv Robinson Park

Legend

Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

400m Catchments per Reserve

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

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Date: 9/08/2017
Author: GIS Coordinator

Kalamunda



city of
kalamunda

Legend

Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

400m Catchments per Reserve

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

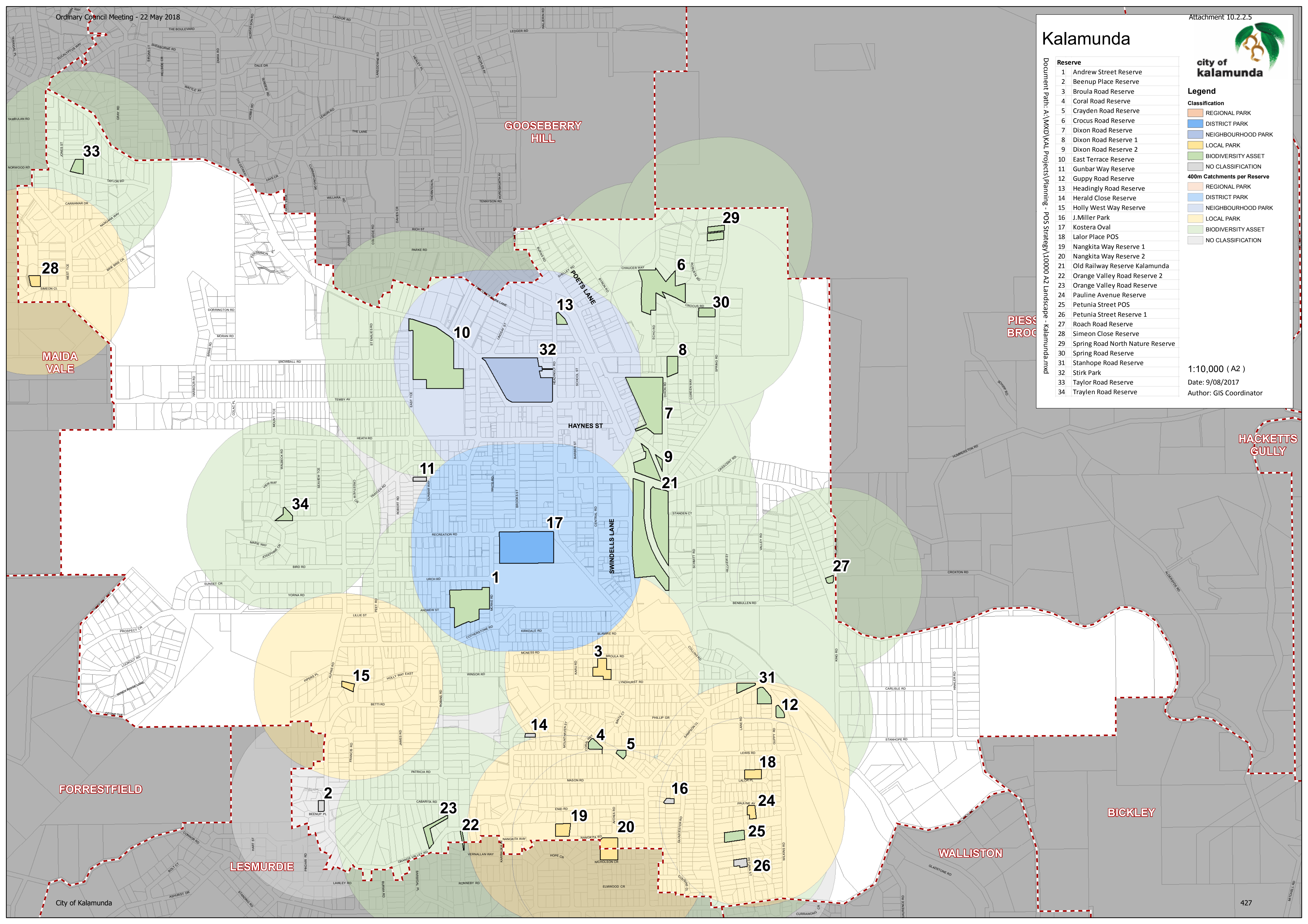
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- | Reserve |
|-------------------------------------|
| 1 Andrew Street Reserve |
| 2 Beenup Place Reserve |
| 3 Broula Road Reserve |
| 4 Coral Road Reserve |
| 5 Crayden Road Reserve |
| 6 Crocus Road Reserve |
| 7 Dixon Road Reserve |
| 8 Dixon Road Reserve 1 |
| 9 Dixon Road Reserve 2 |
| 10 East Terrace Reserve |
| 11 Gunbar Way Reserve |
| 12 Guppy Road Reserve |
| 13 Headingly Road Reserve |
| 14 Herald Close Reserve |
| 15 Holly West Way Reserve |
| 16 J.Miller Park |
| 17 Kostera Oval |
| 18 Lalor Place POS |
| 19 Nangkita Way Reserve 1 |
| 20 Nangkita Way Reserve 2 |
| 21 Old Railway Reserve Kalamunda |
| 22 Orange Valley Road Reserve 2 |
| 23 Orange Valley Road Reserve |
| 24 Pauline Avenue Reserve |
| 25 Petunia Street POS |
| 26 Petunia Street Reserve 1 |
| 27 Roach Road Reserve |
| 28 Simeon Close Reserve |
| 29 Spring Road North Nature Reserve |
| 30 Spring Road Reserve |
| 31 Stanhope Road Reserve |
| 32 Stirk Park |
| 33 Taylor Road Reserve |
| 34 Traylen Road Reserve |

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Date: 9/08/2017

Author: GIS Coordinator



FORRESTFIELD

LESMURDIE

BICKLEY

WALLISTON



FORRESTFIELD

KALAMUNDA

BICKLEY

WALLISTON

CARMEL

CANNING
MILLS

Lesmurdie

Reserve					
1	Anthony Heslop Reserve	13	Gladys Road Reserve	25	Mick Conti Park
2	Anthony Street Reserve	14	Glen Road POS	26	Nangkita Way Reserve 2
3	Barbigal Place Reserve 1	15	Godwin Street Reserve	27	Neil Tonkin Park / Falls Farm Reserve
4	Barbigal Place Reserve 2	16	Goodall Street Reserve	28	Nelson Crescent Reserve 2
5	Basildon Reserve	17	Hugh Sanderson Reserve	29	Nelson Crescent Reserve
6	Bill Shaw Reserve	18	Joyce Street Reserve 1	30	Northolt Street Reserve
7	Elmwood Crescent Reserve	19	Joyce Street Reserve 2	31	Orange Valley Road Reserve 2
8	Fall Road Reserve	20	Kershaw Avenue Reserve	32	Pagotto Park
9	Flora Terrace Reserve	21	Lawley Road Reserve	33	Peter Thiel Reserve
10	Ford Road Reserve	22	Lesmurdie Road Reserve	34	Ray Owen Reserve
11	Fred Eversden Reserve	23	Mario Court POS	35	Ryan Way Reserve
12	Gladys Road Reserve 2	24	Mary Drive Reserve	36	Sanderson Road Reserve / Pax Hill
37	Seaton Park				
38	Silverdale Road Reserve				
39	Stirkwood Estate Reserve				
40	Stone Road Reserve				
41	Tindale Road Reserve				
42	Trafalgar Road Reserve				
43	Trott Road Reserve				
44	Turner Park				
45	Vernallan Way Reserve				
46	Victory Place Reserve				
47	Willoughby Reserve				

Legend

Classification

- REGIONAL PARK
- DISTRICT PARK
- NEIGHBOURHOOD PARK
- LOCAL PARK
- BIODIVERSITY ASSET
- NO CLASSIFICATION

400m Catchments per Reserve

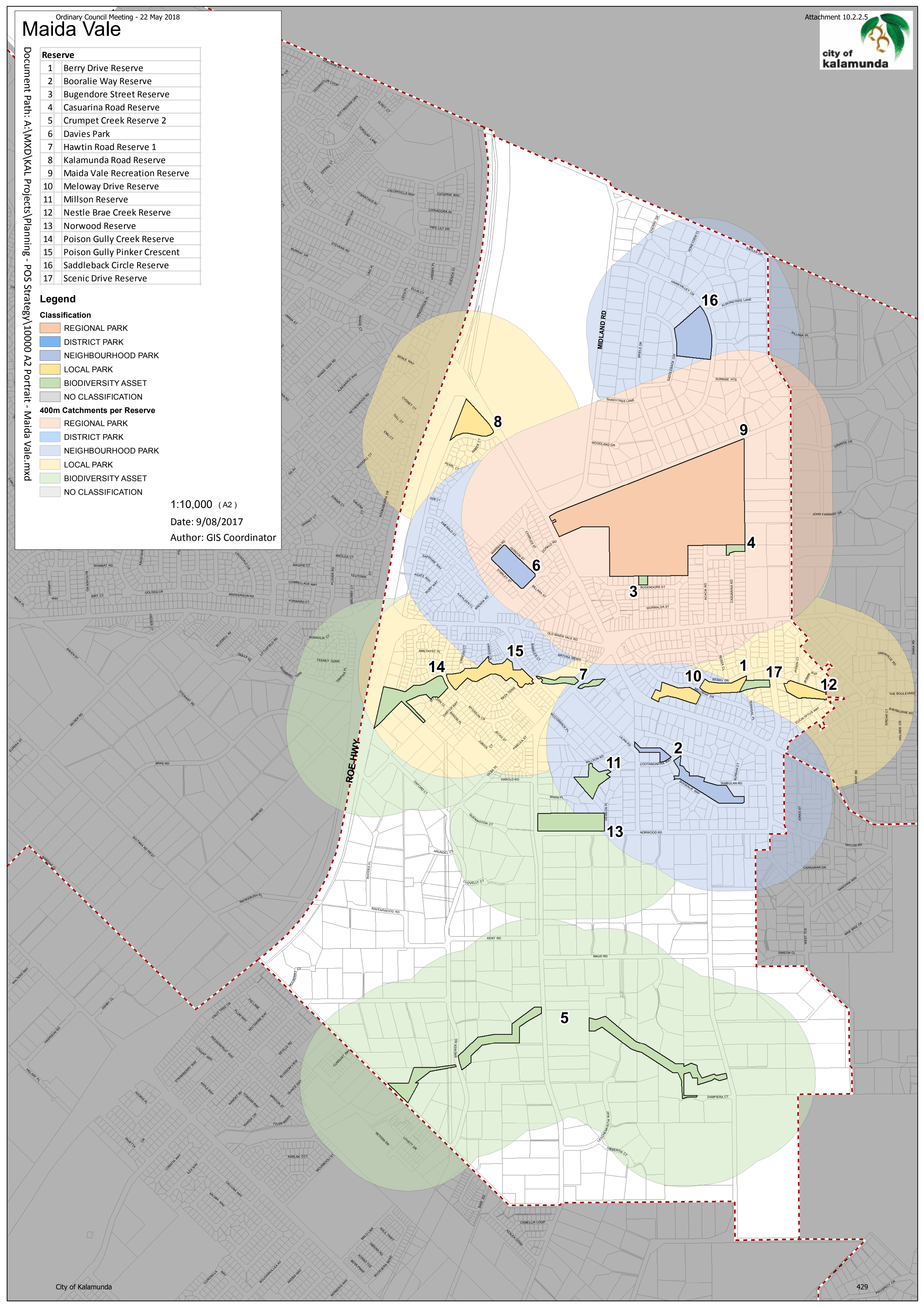
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- NO CLASSIFICATION

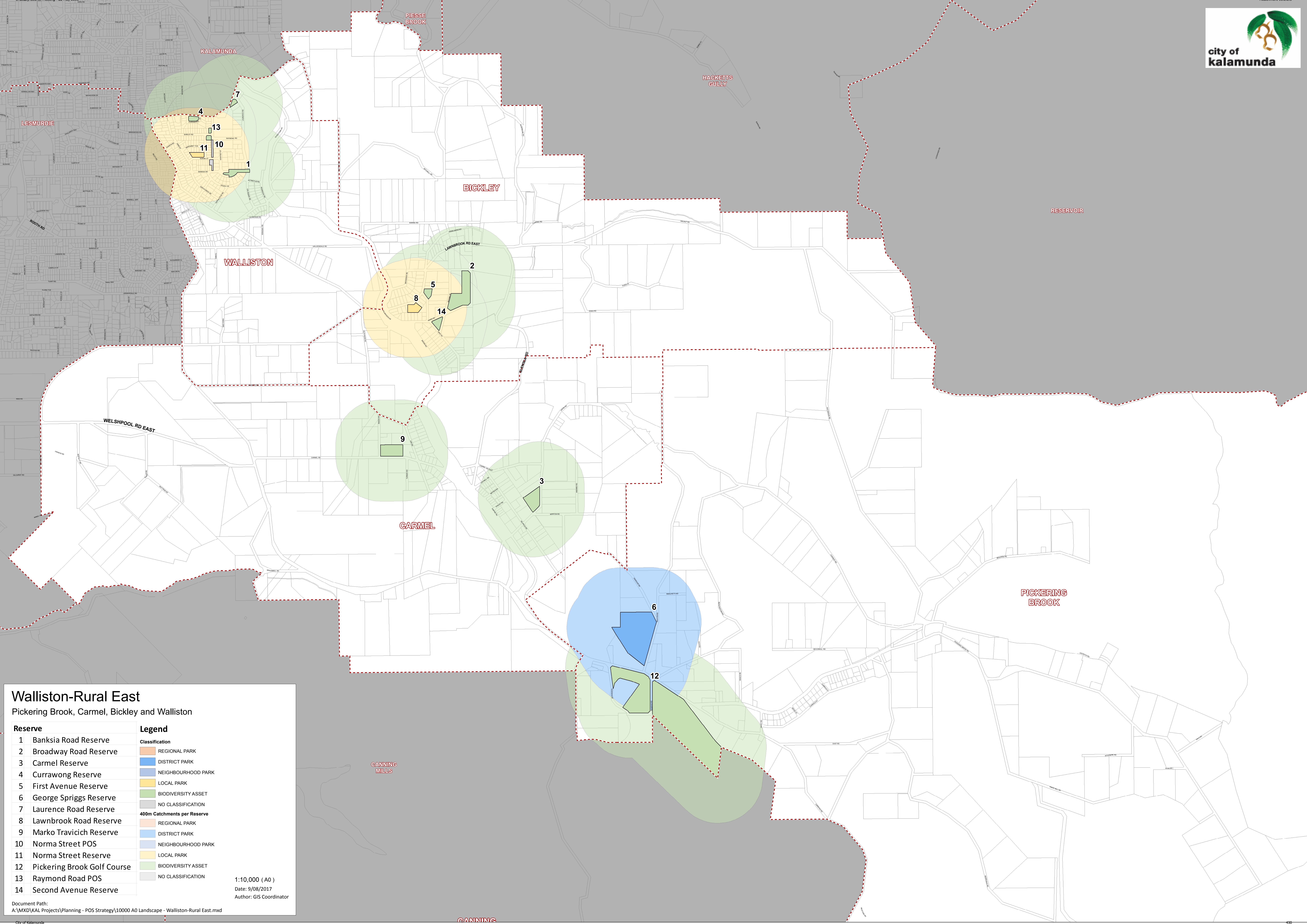
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Reserve	
1	Berry Drive Reserve
2	Booralie Way Reserve
3	Bugendore Street Reserve
4	Casuarina Road Reserve
5	Crumpet Creek Reserve 2
6	Davies Park
7	Hawtin Road Reserve 1
8	Kalamunda Road Reserve
9	Maida Vale Recreation Reserve
10	Melway Drive Reserve
11	Millson Reserve
12	Nestle Brae Creek Reserve
13	Norwood Reserve
14	Poison Gully Creek Reserve
15	Poison Gully Pinker Crescent
16	Saddleback Circle Reserve
17	Scenic Drive Reserve

- Legend**
- Classification**
- REGIONAL PARK
 - DISTRICT PARK
 - NEIGHBOURHOOD PARK
 - LOCAL PARK
 - BIODIVERSITY ASSET
 - NO CLASSIFICATION
- 400m Catchments per Reserve**
- REGIONAL PARK
 - DISTRICT PARK
 - NEIGHBOURHOOD PARK
 - LOCAL PARK
 - BIODIVERSITY ASSET
 - NO CLASSIFICATION

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Date: 9/08/2017
Author: GIS Coordinator





Walliston-Rural East

Pickering Brook, Carmel, Bickley and Walliston

Reserve		Legend	
1	Banksia Road Reserve	Classification	REGIONAL PARK
2	Broadway Road Reserve		DISTRICT PARK
3	Carmel Reserve		NEIGHBOURHOOD PARK
4	Currawong Reserve		LOCAL PARK
5	First Avenue Reserve		BIODIVERSITY ASSET
6	George Spriggs Reserve		NO CLASSIFICATION
7	Laurence Road Reserve	400m Catchments per Reserve	REGIONAL PARK
8	Lawnbrook Road Reserve		DISTRICT PARK
9	Marko Travicich Reserve		NEIGHBOURHOOD PARK
10	Norma Street POS		LOCAL PARK
11	Norma Street Reserve		BIODIVERSITY ASSET
12	Pickering Brook Golf Course		NO CLASSIFICATION
13	Raymond Road POS		
14	Second Avenue Reserve		













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Wattle Grove

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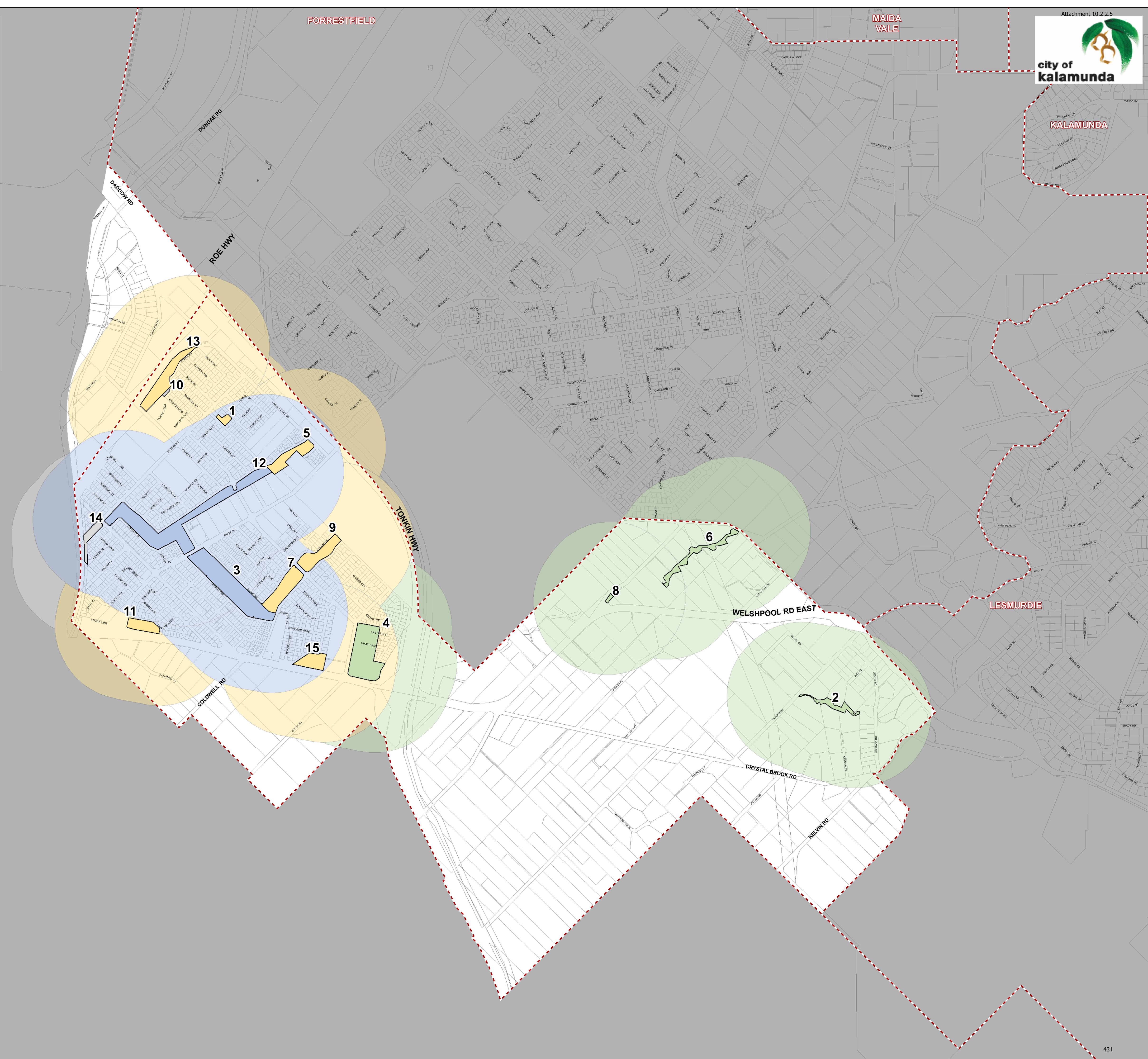
Reserve	
1	Fennell Crescent POS
2	Gavour Road Reserve
3	Gillings Parade POS
4	Grass Tree Reserve
5	Hardey East Road Reserve
6	Hartfield Road Creekline Reserve
7	Kalari Drive POS
8	Lewis Road Reserve
9	Maamba Road POS
10	Olivine Gardens Reserve
11	Sheffield Estate
12	The Promenade POS
13	Willow Lake Estate
14	Woodlupine Creek Undeveloped Reserve
15	Yule Brook Estate

Legend	
Classification	
	REGIONAL PARK
	DISTRICT PARK
	NEIGHBOURHOOD PARK
	LOCAL PARK
	BIODIVERSITY ASSET
	NO CLASSIFICATION
400m Catchments per Reserve	
	REGIONAL PARK
	DISTRICT PARK
	NEIGHBOURHOOD PARK
	LOCAL PARK
	BIODIVERSITY ASSET
	NO CLASSIFICATION

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Date: 9/08/2017

Author: GIS Coordinator



APPENDIX 10: POS ASSESSMENTS

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POS Reserve Name	Property Hc	Property Street	Classification	Functions	Rating
Akebia Way Reserve		45 AKEBIA WAY	LOCAL PARK	Recreation, Nature	B
Almond Way POS		21 ALMOND WAY	LOCAL PARK	Recreation, Nature	D
Anderson Road Bushland		121 LEWIS ROAD	BIODIVERSITY ASSET	Nature, Recreation	
Anderson Road Park		71 ANDERSON ROAD	LOCAL PARK	Recreation, Nature	C
Berberis Way Reserve		65 BERBERIS WAY	LOCAL PARK	Recreation, Nature	C
Berkshire Road Reserve		167 BERKSHIRE ROAD	NO CLASSIFICATION	No Function	D
Blackbutt Way Reserve		10 BLACKBUTT WAY	LOCAL PARK	Recreation, Nature	C
Boodjera Bend Reserve		10 BOODJERA BEND	LOCAL PARK	Recreation, Nature	B
Cambridge Road Reserve		12 CAMBRIDGE ROAD	NO CLASSIFICATION	Nature	D
Connaught Street Reserve		35 HAREWOOD STREET	LOCAL PARK	Recreation, Nature	C
Crumpet Creek Reserve 2		276 SULTANA ROAD EAST	BIODIVERSITY ASSET	Nature	
Dawson Avenue Reserve		198 DAWSON AVENUE	BIODIVERSITY ASSET	Nature	
Dawson Park		191 DAWSON AVENUE	NEIGHBOURHOOD PARK	Recreation, Nature	C
Edinburgh Road Reserve		31 EDINBURGH ROAD	BIODIVERSITY ASSET	Nature	
Fagin Way Reserve		17 JUBILEE ROAD	LOCAL PARK	Nature, Recreation	C
Gala Way POS		50 APRICOT STREET	LOCAL PARK	Recreation	B
Garden Brook Estate		12 CYPRESS ROAD	NEIGHBOURHOOD PARK	Recreation, Nature	C
Gotha Way POS		5 ABERCORN ROAD	LOCAL PARK	Recreation, Nature	D
Hale Road Easement	14A	GIMLET COURT	LOCAL PARK	Recreation	D
Hartfield Park		199 HALE ROAD	REGIONAL PARK	Sport, Recreation, Nature	A
Juniper Way Reserve		85 DAWSON AVENUE	NEIGHBOURHOOD PARK	Recreation, Nature	B
Lincoln Road Reserve		43 CUMBERLAND ROAD	LOCAL PARK	Recreation, Nature	B
Magnolia Way Reserve		41 MAGNOLIA WAY	LOCAL PARK	Recreation	C
Orchid Park Estate 1		14 FRUIT TREE CRESCENT	LOCAL PARK	Recreation	C
Pioneer Park		120 DAWSON AVENUE	REGIONAL PARK	Nature	D
Preece Court Reserve		4 PREECE COURT	BIODIVERSITY ASSET	Nature	
Redgum Reserve		2 REYNOLDS ROAD	NEIGHBOURHOOD PARK	Recreation, Nature	B
Stringybark Drive Reserve		7 STRINGYBARK DRIVE	NEIGHBOURHOOD PARK	Recreation, Nature	C
Sultana Road East POS		332 SULTANA ROAD EAST	LOCAL PARK	Recreation	C
Sussex Road Reserve		95 SUSSEX ROAD	NO CLASSIFICATION	No Function	D
Tillia Court Reserve		2 TILLIA COURT	LOCAL PARK	Recreation, Nature	C
Tyler Mews Park		16 WARD A CRESCENT	NEIGHBOURHOOD PARK	Recreation, Nature	B
Virgillia Way Reserve		33 VIRGILIA WAY	NEIGHBOURHOOD PARK	Recreation	B
Woodlupine Brook (East)		9 STRELITZIA AVENUE	NEIGHBOURHOOD PARK	Recreation, Nature	C
Woodlupine Brook Reserve	Lot 104	SALIX WAY	NEIGHBOURHOOD PARK	Recreation, Nature	B

POS Reserve Name	Pin	Property Hc	Property Street	Classification	Function	Rating
Currawong Drive Reserve	187271	8A	CURRAWONG DRIVE	NO CLASSIFICATION	No Function	D
Currawong POS	187280	1	CURRAWONG DRIVE	LOCAL PARK	Recreation, Nature	C
Huntley Street Reserve	203191	71	HUNTLEY STREET	BIODIVERSITY ASSET	Nature	
Huntley Street Reserve South	203197	59	HUNTLEY STREET	NO CLASSIFICATION	No Function	D
Kardina Park	203295	9	PEOPLES AVENUE	BIODIVERSITY ASSET	Nature	
Katta Place Reserve	193948	3	KATTA PLACE	BIODIVERSITY ASSET	Nature	
Lascelles Parade Reserve 1	194031	19	LASCELLES PARADE	BIODIVERSITY ASSET	Nature	
Lascelles Parade Reserve 2	184695	50	LASCELLES PARADE	BIODIVERSITY ASSET	Nature	
Noel Road Reserve	187183	9	NOEL ROAD	LOCAL PARK	Nature	D
Old Railway Reserve	187164	William Street/Browning Way/Keats Road		BIODIVERSITY ASSET	Nature	
Sundew Road Reserve	202935	9	SUNDEW ROAD	BIODIVERSITY ASSET	Nature	
The Boulevard Reserve	187655	18	THE BOULEVARD	NEIGHBOURHOOD PARK	Recreation, Nature	B
Torwood Drive Reserve 1	184750	38	TORWOOD DRIVE	BIODIVERSITY ASSET	Nature	
Torwood Drive Reserve 2	184752	26	TORWOOD DRIVE	BIODIVERSITY ASSET	Nature	
Wordsworth Reserve	203186	9	WORDSWORTH AVENUE	LOCAL PARK	Recreation, Nature	D
Zamia Road Reserve	202984	34	ZAMIA ROAD	BIODIVERSITY ASSET	Nature	

POS Reserve Name	Pin	Property Hc	Property Street	Classification	Function	Rating
Abernethy Road Reserve	11792017	Lot 101		LOCAL PARK	Recreation	C
Acton Link Reserve	11961476	3	ACTON LINK	LOCAL PARK	Recreation, Nature	C
Adelaide Street Reserve	11996092	Lot 8000	ADELAIDE STREET	NO CLASSIFICATION	No Function	D
Agraulia Court Park	11760111	10	AGRAULIA COURT	LOCAL PARK	Recreation	C
Bandalong Way Reserve	193859	67	BANDALONG WAY	NO CLASSIFICATION	No Function	D
Citrus Grove Reserve	193889	17A	CITRUS GROVE	NO CLASSIFICATION	No Function	D
Cyril Road Reserve	193603	59	SWAN ROAD	LOCAL PARK	Recreation, Nature	C
Ellis Court POS	201654	23	ELLIS COURT	NO CLASSIFICATION	Recreation	D
Elmore Way Park	11248966	24	ELMORE WAY	NEIGHBOURHOOD PARK	Recreation, Nature	B
Emms Reserve	184131	13	WITTENOOM ROAD	LOCAL PARK	Recreation	C
Fleming Reserve	204627	111	NEWBURN ROAD	DISTRICT PARK	Sport, Recreation, Nature	A
Gladys Newton Park	1337843	41	HAWKEVALE ROAD	NEIGHBOURHOOD PARK	Recreation, Nature	C
Jacaranda Springs Estate	11185124	3	BOWDEN DRIVE	NEIGHBOURHOOD PARK	Recreation, Nature	A
Jacaranda Springs Estate 2	11069412	5	BENSON WAY	LOCAL PARK	Recreation	B
Jacaranda Springs Estate 3	1389708	12	FOXTON BOULEVARD	LOCAL PARK	Recreation	B
John McLarty Park	191672	18	MACLARTY WAY	LOCAL PARK	Recreation, Nature	C
Larwood Crescent POS	11558703	25	NOTTINGHAM GREEN	LOCAL PARK	Recreation	C
Mackenzie Park	193674	38	NETHERWOOD ROAD	LOCAL PARK	Recreation	B
Markham Road Reserve	184253	11	MARKHAM ROAD	BIODIVERSITY ASSET	Nature	
Ollie Worrell Reserve	1055193	70	WORRELL AVENUE	NEIGHBOURHOOD PARK	Recreation	B
Peter Annus Park	193618	51	SWAN ROAD	LOCAL PARK	Recreation	C
Peter Hegney Park	202172	63	KOOKABURRA CRESCENT	LOCAL PARK	Recreation	C
Pine Tree Reserve	191187	10	O'CONNELL WAY	LOCAL PARK	Recreation	C
Poison Gully Littlefield	196133	29	LITTLEFIELD ROAD	BIODIVERSITY ASSET	Nature	
Poison Gully Milner	11590342	14	MILNER ROAD	BIODIVERSITY ASSET	Nature	
Poison Gully Springvale/Bluebell Park	11974296	Lot 20	BLUEBELL AVENUE	LOCAL PARK	Recreation, Nature	B
Poison Gully West	192139	195	DUNDAS ROAD	BIODIVERSITY ASSET	Nature	
Progress Park	184338	13	BANDALONG WAY	LOCAL PARK	Recreation	B
Rangeview Park	193829	40	SWAN ROAD	NEIGHBOURHOOD PARK	Sport, Recreation	B
Robert Hewson Park	201538	29	MURRAY DRIVE	LOCAL PARK	Recreation	B
Scott Reserve	12245777	30	NORLING ROAD	DISTRICT PARK	Sport, Recreation	B
Swan Road Reserve	193627	8A	SUTTON ROAD	LOCAL PARK	Recreation	D
Viv Robinson Park	1070092	64	WITTENOOM ROAD	LOCAL PARK	Recreation	C

POS Reserves Name	Pin	Property Hc	Property Street	Classification	Function	Rating
Andrew Street Reserve	195033	6	ANDREW STREET	BIODIVERSITY ASSET	Nature	
Beenup Place Reserve	187985	2	BEENUP PLACE	NO CLASSIFICATION	No Function	D
Broula Road Reserve	186388	10	BROULA ROAD	LOCAL PARK	Recreation	C
Coral Road Reserve	186626	44	CORAL ROAD	BIODIVERSITY ASSET	Nature	
Crayden Road Reserve	186627	11	CRAYDEN ROAD	BIODIVERSITY ASSET	Nature	
Crocus Road Reserve	194850	24	CROCUS ROAD	BIODIVERSITY ASSET	Nature	
Dixon Road Reserve	194914	19	DIXON ROAD	BIODIVERSITY ASSET	Nature	
Dixon Road Reserve 2	197316	60	DIXON ROAD	BIODIVERSITY ASSET	Nature	
East Terrace Reserve	202669	30	EAST TERRACE	BIODIVERSITY ASSET	Nature	
Gunbar Way Reserve	195211	6	GUNBAR WAY	NO CLASSIFICATION	No Function	D
Guppy Road Reserve	186469	2	GUPPY ROAD	BIODIVERSITY ASSET	Nature	
Headingly Road Reserve	202569	26	HEADINGLY ROAD	BIODIVERSITY ASSET	Nature	
Herald Close Reserve	186606	5	HERALD CLOSE	NO CLASSIFICATION	No Function	D
Holly West Way Reserve	188002	5	HOLLY WAY WEST	LOCAL PARK	Nature	D
J.Miller Park	186862	5	MANOOKA WAY	NO CLASSIFICATION	No Function	D
Kostera Oval	197391	3	RECREATION ROAD	DISTRICT PARK	Sport, Recreation	A
Lalor Place POS	187113	12	LALOR PLACE	LOCAL PARK	Nature	C
Nangkita Way Reserve 1	186713	30	NANGKITA ROAD	LOCAL PARK	Recreation	C
Nangkita Way Reserve 2	186853	13	NANGKITA ROAD	LOCAL PARK	Recreation, Nature	C
Old Railway Reserve Kalamunda	197448	2A	MUNDARING WEIR ROAD	BIODIVERSITY ASSET	Nature, Recreation, Sport	
Orange Valley Road Reserve 2	197770	103A	ORANGE VALLEY ROAD	BIODIVERSITY ASSET	Nature	
Orange Valley Road Reserve	197573	116	ORANGE VALLEY ROAD	BIODIVERSITY ASSET	Nature	
Pauline Avenue Reserve	187031	14	PAULINE AVENUE	LOCAL PARK	Nature	D
Petunia Street POS	186974	25	PETUNIA STREET	BIODIVERSITY ASSET	Nature	
Petunia Street Reserve 1	186989	13	PETUNIA STREET	NO CLASSIFICATION	No Function	D
Roach Road Reserve	191094	71	MUNDARING WEIR ROAD	BIODIVERSITY ASSET	Nature	
Simeon Close Reserve	197934	8	SIMEON CLOSE	LOCAL PARK	Nature	D
Spring Road North Nature Reserve	186244	107	SPRING ROAD	BIODIVERSITY ASSET	Nature	
Spring Road Reserve	194864	67	SPRING ROAD	BIODIVERSITY ASSET	Nature	
Stanhope Road Reserve	186467	Lot 6	STANHOPE ROAD	BIODIVERSITY ASSET	Nature	
Stirk Park	1235812	18	KALAMUNDA ROAD	DISTRICT PARK	Sport, Recreation	A
Taylor Road Reserve	198007	13	TAYLOR ROAD	BIODIVERSITY ASSET	Nature	
Traylen Road Reserve	195310	80	TRAYLEN ROAD	BIODIVERSITY ASSET	Nature	

POS Reserve Name	Pin	Property Hc	Property Street	Classification	Function	Rating
Anthony Heslop Reserve	260030	15	ANTHONY STREET	BIODIVERSITY ASSET	Nature	
Anthony Street Reserve	260156	44	ANTHONY STREET	NO CLASSIFICATION	No Function	D
Barbigal Place Reserve 1	201294	129	ORANGE VALLEY ROAD	BIODIVERSITY ASSET	Nature	
Barbigal Place Reserve 2	201311	30	BARBIGAL PLACE	BIODIVERSITY ASSET	Nature	
Basildon Reserve	258744	41	BASILDON ROAD	BIODIVERSITY ASSET	Nature	
Bill Shaw Reserve	259733	302	CANNING ROAD	NEIGHBOURHOOD PARK	Recreation, Nature	A
Elmwood Crescent Reserve	186815	17	ELMWOOD CRESCENT	BIODIVERSITY ASSET	Nature	
Flora Terrace Reserve	257535	29	FLORA TERRACE	NEIGHBOURHOOD PARK	Recreation, Nature	B
Ford Road Reserve	258032	61	FORD ROAD	BIODIVERSITY ASSET	Nature	
Fred Eversden Reserve	201291	22	FALLS ROAD	NEIGHBOURHOOD PARK	Nature, Recreation	
Gladys Road Reserve 2	258721	21	GLADYS ROAD	BIODIVERSITY ASSET	Nature	
Gladys Road Reserve	258691	91	GLADYS ROAD	BIODIVERSITY ASSET	Nature	
Glen Road POS	260337	27	GLEN ROAD	LOCAL PARK	Recreation	C
Godwin Street Reserve	259398	5	GRANBY STREET	BIODIVERSITY ASSET	Nature	
Goodall Street Reserve	260487	20	GOODALL STREET	BIODIVERSITY ASSET	Nature	
Hugh Sanderson Reserve	260574	54	CHISLEHURST ROAD	BIODIVERSITY ASSET	Nature	
Joyce Street Reserve 1	258848	26	JOYCE STREET	BIODIVERSITY ASSET	Nature	
Joyce Street Reserve 2	258903	52	JOYCE STREET	BIODIVERSITY ASSET	Nature	
Kershaw Avenue Reserve	258664	Lot 597	KERSHAW AVENUE	BIODIVERSITY ASSET	Nature	
Lawley Road Reserve	201224	21	LAWLEY ROAD	BIODIVERSITY ASSET	Nature	
Lesmurdie Road Reserve	259432	391	LESMURDIE ROAD	NO CLASSIFICATION	No Function	D
Mario Court POS	12118779	5	MARIO COURT	LOCAL PARK	Recreation	D
Mary Drive Reserve	258938	13	MARY DRIVE	BIODIVERSITY ASSET	Nature	
Mick Conti Park	258997	406	LESMURDIE ROAD	LOCAL PARK	Recreation	B
Nangkita Way Reserve 2	186873	13	NANGKITA ROAD	LOCAL PARK	Recreation, Nature	C
Neil Tonkin Park/Falls Farm Reserve	257392	229	LESMURDIE ROAD	NEIGHBOURHOOD PARK	Recreation, Nature	C
Nelson Crescent Reserve 2	257953	64	NELSON CRESCENT	BIODIVERSITY ASSET	Nature	
Nelson Crescent Reserve	257994	41	NELSON CRESCENT	BIODIVERSITY ASSET	Nature	
Northolt Street Reserve	258905	Lot 551	NORTHOLT STREET	BIODIVERSITY ASSET	Nature	
Orange Valley Road Reserve 2	197770	103A	ORANGE VALLEY ROAD	BIODIVERSITY ASSET	Nature	
Pagotto Park	257888	80	TRAFALGAR ROAD	LOCAL PARK	Recreation, Nature	C
Peter Thiel Reserve	259920	39	KATHLEEN ROAD	LOCAL PARK	Recreation	C
Ray Owen Reserve	11942709	96	GLADYS ROAD	REGIONAL PARK	Sport, Recreation, Nature	B
Ryan Way Reserve	260197	10	RYAN WAY	BIODIVERSITY ASSET	Nature	
Sanderson Road Reserve/Pax Hill	1347393	4	VARLEY STREET	NO CLASSIFICATION	No Function	D
Seaton Park	260011	21	FLETCHER ROAD	NEIGHBOURHOOD PARK	Recreation	B
Silverdale Road Reserve	259437	15	SILVERDALE ROAD	BIODIVERSITY ASSET	Nature	
Stirkwood Estate Reserve	11772528	Lot 4000	KEANE STREET	BIODIVERSITY ASSET	Nature	
Stone Road Reserve	201371	5	STONE ROAD	BIODIVERSITY ASSET	Nature	
Tindale Road Reserve	258123		TINDALE ROAD	BIODIVERSITY ASSET	Nature	
Trafalgar Road Reserve	258065	32	TRAFALGAR ROAD	BIODIVERSITY ASSET	Nature	
Trott Road Reserve	260276	14	TROTT ROAD	BIODIVERSITY ASSET	Nature	
Turner Park	259427	4	TURNER GROVE	BIODIVERSITY ASSET	Nature, Recreation	
Vernallan Way Reserve	197762	7	KARRALIKA AVENUE	BIODIVERSITY ASSET	Nature	
Victory Place Reserve	258051	16	VICTORY PLACE	BIODIVERSITY ASSET	Nature	
Willoughby Reserve	258900	39	SANDERSON ROAD	BIODIVERSITY ASSET	Nature	

POS Reserve Name	Pin	Property Hc	Property Street	Classification	Function	Rating
Berry Drive Reserve	187421	30	BERRY DRIVE	LOCAL PARK	Recreation, Nature	C
Booralie Way Reserve	1055883	57	BOORALIE WAY	NEIGHBOURHOOD PARK	Recreation, Nature	B
Bugendore Street Reserve	184541	35	BUGENDORE STREET	BIODIVERSITY ASSET	Nature	
Casuarina Road Reserve	184523	32	CASUARINA ROAD	BIODIVERSITY ASSET	Nature	
Crumpet Creek Reserve 2	203348	265	SULTANA ROAD EAST	BIODIVERSITY ASSET	Nature	
Davies Park	201943	11	GORDON STREET	NEIGHBOURHOOD PARK	Recreation	B
Hawtin Road Reserve 1	195914	21	HAWTIN ROAD	BIODIVERSITY ASSET	Nature	
Kalamunda Road Reserve	201867	365	KALAMUNDA ROAD	LOCAL PARK	Recreation, Nature	C
Maida Vale Recreation Reserve	1053169	20	RIDGE HILL ROAD	REGIONAL PARK	Sport, Recreation, Nature	B
Meloway Drive Reserve	187327	52	MELOWAY DRIVE	LOCAL PARK	Recreation, Nature	C
Millson Reserve	195959	14A	HEWSON PLACE	BIODIVERSITY ASSET	Nature	
Nestle Brae Creek Reserve	187529	8	GUMNUT CLOSE	LOCAL PARK	Recreation, Nature	D
Norwood Reserve	195957	87	HAWTIN ROAD	BIODIVERSITY ASSET	Nature	
Poison Gully Creek Reserve	1226225	9	TREE FERN GREEN	BIODIVERSITY ASSET	Nature	
Poison Gully Pinker Crescent	11396827	19	MAIDA VALE ROAD	LOCAL PARK	Recreation, Nature	B
Saddleback Circle Reserve	201681	30	SADDLEBACK CIRCLE	NEIGHBOURHOOD PARK	Recreation	C
Scenic Drive Reserve	187433	22	SCENIC DRIVE	BIODIVERSITY ASSET	Nature	

POS Reserve Name	Pin	Property Hc	Property Street	Property Suburb	Classification	Function	Score	Rating	Comments
Anne Avenue Reserve	218272	6	ANNE AVENUE	WALLISTON	NO CLASSIFICATION	No Function	1.59	D	No functionality. No uses catered for.
Banksia Road Reserve	11333742	41	BANKSIA ROAD	WALLISTON	BIODIVERSITY ASSET	Nature			Biodiversity Asset - Requires Environmental Assessment
Broadway Road Reserve	1034292	24	SECOND AVENUE	BICKLEY	BIODIVERSITY ASSET	Nature			Biodiversity Asset - Requires Environmental Assessment
Carmel Reserve	213786	29	UNION ROAD	CARMEL	BIODIVERSITY ASSET	Nature			Biodiversity Asset - Requires Environmental Assessment
Currawong Reserve	218368	45	LESMURDIE ROAD EAST	WALLISTON	BIODIVERSITY ASSET	Nature			Biodiversity Asset - Requires Environmental Assessment
First Avenue Reserve	213612	23	LAWNBROOK ROAD EAST	BICKLEY	BIODIVERSITY ASSET	Nature			Biodiversity Asset - Requires Environmental Assessment
George Spriggs Reserve	213845	35	WESTON ROAD	PICKERING BROOK	DISTRICT PARK	Sport, Recreation, Nature	3.41	B	
Laurence Road Reserve	218224	15	LESMURDIE ROAD EAST	WALLISTON	BIODIVERSITY ASSET	Nature			Biodiversity Asset - Requires Environmental Assessment
Lawnbrook Road Reserve	213625	11	LAWNBROOK ROAD EAST	BICKLEY	LOCAL PARK	Recreation, Nature	2.18	C	No picnic provision.
Marko Travicich Reserve	213557	121	CARMEL ROAD	CARMEL	BIODIVERSITY ASSET	Nature			Biodiversity Asset - Requires Environmental Assessment
Norma Street POS	218238	17	NORMA STREET	WALLISTON	NO CLASSIFICATION	No Function	1.71	D	No functionality. No uses catered for.
Norma Street Reserve	218268	6	NORMA STREET	WALLISTON	LOCAL PARK	Recreation, Nature	2.18	C	Limited picnic provision.
Pickering Brook Golf Course	212244	10	PICKERING BROOK ROAD	PICKERING BROOK	BIODIVERSITY ASSET	Nature, Sport			Biodiversity Asset - Requires Environmental Assessment
Raymond Road POS	218339	9	RAYMOND ROAD	WALLISTON	BIODIVERSITY ASSET	Nature			Biodiversity Asset - Requires Environmental Assessment
Second Avenue Reserve	213607	Lot 52	NAIRN ROAD	BICKLEY	BIODIVERSITY ASSET	Nature			Biodiversity Asset - Requires Environmental Assessment

POS Reserve Name	Pin	Property Hc	Property Street	Classification	Function	Score	Rating	Comments
Fennell Crescent POS	1298222	82	FENNELL CRESCENT	LOCAL PARK	Recreation	2.76	C	Limited environmental value.
Gavour Road Reserve	258375	21	CRYSTAL PLACE	BIODIVERSITY ASSET	Nature			Biodiversity Assett - Requires Environmental Assessment
Gillings Parade POS	11227870	50	GILLINGS PARADE	NEIGHBOURHOOD PARK	Recreation, Nature	3	B	Limited picnic provision.
Grass Tree Reserve	256114	Lot 501	MAAMBA ROAD	BIODIVERSITY ASSET	Nature			Biodiversity Assett - Requires Environmental Assessment.
Hardey East Road Reserve	11660466	Lot 128	HARDEY EAST ROAD	LOCAL PARK	Recreation, Nature	2	C	Limited uses catered for. No seating or picnic provision.
Hartfield Road Creekline Reserve	258350	176	HARTFIELD ROAD	BIODIVERSITY ASSET	Nature			Biodiversity Assett - Requires Environmental Assessment
Kalari Drive POS	11471917	15	KALARI DRIVE	LOCAL PARK	Recreation, Nature	3.47	B	
Lewis Road Reserve	258341	2	LEWIS ROAD	BIODIVERSITY ASSET	Nature			Biodiversity Assett - Requires Environmental Assessment
Maamba Road POS	11599581	Lot 827	MAAMBA ROAD	LOCAL PARK	Recreation	2.53	C	Limited picnic provision.
Olivine Gardens Reserve	11882031	6	OLIVINE GARDENS	NO CLASSIFICATION	No Function	1.18	D	No uses catered for. No functionality. No environmental value.
Sheffield Estate	1386961	30	FREEDUFF DRIVE	LOCAL PARK	Recreation	3	B	Limited environmental value. Limted picnic provision.
The Promenade POS	11420330	40	THE PROMENADE	NEIGHBOURHOOD PARK	Recreation, Nature	3.53	B	
Willow Lake Estate	11105383	45	MAGMA ROAD	LOCAL PARK	Recreation	2.76	C	
Woodlupine Creek Undeveloped Reserve	11758241	2	CHERVIL BEND	NO CLASSIFICATION	No Function	1.35	D	No uses catered for. No functionality. No environmental value.
Yule Brook Estate	11101561	31	REGENCY RAMBLE	LOCAL PARK	Recreation	3	B	

APPENDIX 11: ASSESSMENT MATRIX

Description	1	2	3	4	5
Location					
Accessibility	Site is on opposite side of a major barrier (major road, rail, water feature etc.) No footpath.	Site maybe on opposite side of a major barrier. Access by car is difficult as there is one road access which is difficult to traverse (may involve many turns, bends and cul-de-sacs). Minimal footpath provision.	Access is reasonable, however pedestrians must either cross a busy road or take a long route to access the site. Minimal footpath provision. There is a need for cars to take a circuitous route or cross a busy road to get there.	Access to the site is good. No major barriers or hazards. Footpath provision connects to the site, however does not traverse through the POS. There are multiple routes for cars to access the site.	Access to the site is excellent without the need to cross or face significant hazards. There are multiple footpath connections and the footpath traverses across the POS. Footpath connections are safe. There are multiple routes for cars to access the site.
Public Transport	There is no public transport within reasonable walking distance of the site (400m).	There is one transit route, however either it is very irregular or is between 200-400m from the site.	There is one regular transit route within close proximity of the site (within 200m), or there are multiple transit routes that are either very irregular or between 200-400m from the site.	There are two regular transit routes within close proximity to the site (within 200m).	There are at least three regular transit routes within close proximity to the site.
Personal safety, lighting, visibility and security	Obstructed lines of sight, no overlooking residential properties and low usage / passing pedestrians. Site and access routes feel unsafe at all times. No lighting.	Informal overlooking residential properties. No lighting. Site and access routes feel unsafe at all times.	Informal overlooking residential properties and low apparent usage. Site and access routes feel safe in daylight but inadequate lighting for use in the evenings/night time.	Mixed levels of overlooking properties. There may be street lighting which lights up the periphery of the site or lighting that only covers small areas of the site. Floodlights only utilised for sporting events.	Good level of overlooking, unobstructed views and high frequency of pedestrian movement. Site and access routes feel safe at all times and have good signposted entrance and exit routes which are well lit when accessible by the public. Site is located away from extremely busy roads.
Disability Access	Disabled access is poor with uneven surfaces. Inaccessible entry points and limited or no provision for disability use or parking. No accessible feature such as picnic table.	There are pathways provided, however they are not well maintained. Pathways don't lead to any features of interest.	Disabled access is reasonable with sealed surfaces throughout the POS. Accessible entry points provided with limited disability provision or parking.	Most of the site can be accessed by all members of the public. ACROD parking may not be provided.	Fully accessible by members of the public with limited mobility and all ancillary facilities cater for a variety of abilities including ACROD parking.
Site Design	There are no site features (including changing facilities, equipment, natural features and landscaping).	Features (including changing facilities, equipment, natural features and landscaping) are at basic level only and add little to the value of the open space for its intended function.	Features (including changing facilities, equipment, natural features and landscaping) are more than a basic level and add reasonable value to the open space for its intended function.	Features (including changing facilities, equipment, natural features and landscaping) are more than a basic level and add significant value to the open space for its intended function.	Features (including changing facilities, equipment, natural features and landscaping) are of a high standard and add significantly to the value of the open space for its intended function.

Open Space Usage Value					
Toilets/Changing Facilities	No accessible toilets and/or changing rooms.	Toilet and/or changing rooms poorly maintained and/or not accessible by the general public. Toilets and/or changing rooms may be located offsite.	Toilets and / or changing rooms available and adequately maintained, but may have time limited access or are locked (by a club / association) for large periods of time or poorly located.	Fully accessible, well maintained toilets and / or changing rooms available for the public whilst at the site. Does not have changing facilities for all ages including disability provision and/or does not have sufficient amount of toilets provided for the user group.	Fully accessible, well maintained toilets and / or changing rooms available for the public whilst at the site. Changing facilities for all ages including disability provision. Sufficient amount of toilets provided for the user group.
Car Parking (on or off site)	No available car parking (other than on street or side roads).	Limited car parking offsite.	Limited car parking on site or sufficient car parking offsite.	Moderate levels of car parking on site.	Extensive car parking which caters for multiple team sports or events.
Numbers of different uses catered for (see glossary for different uses)	No uses catered for	Local or Neighbourhood Park: 1 District or Regional Park: 1-2	Local or Neighbourhood Park: 2-3 District or Regional Park: 3-4	Local or Neighbourhood Park: 4-5 District or Regional Park: 5-6	Local or Neighbourhood Park: 6+ District or Regional Park: 7+
Seating and Picnic Areas	No seating for adults. No picnic areas	Limited seating. No picnic areas.	Limited seating or seating is not well sited. Picnic areas provided but in poor condition/ limited for park area.	Good level of seating. Picnic areas provided. Natural and Shade Structures provided.	Good level of seating dispersed throughout the site area for observing play, sport and general relaxation. Adults can sit and observe children playing. Natural and structural shade provided. Picnic areas provided for a large number /family groups with shade, good accessibility and well maintained.
Dog Free Areas	Evidence of dog fouling.	There is no signage stating whether dogs are permitted, there is no evidence of fouling.	There is no signage on whether dogs are permitted. Bins provided with bags for picking up dog fouling.	Management of dog fouling in place through bins and bags for picking up dog fouling, clarification of dog free areas and leash areas through signage. No evidence of fouling.	Signs discouraging owners from bringing dogs to the site, no evidence of fouling.
Care and Maintenance					
Well Maintained	Extensive litter or hazardous debris, planting in poor condition, unacceptable graffiti present. Infrequently mown/overgrown lawn and weedy areas present.	Infrequently mown/overgrown lawn and weedy areas present. Some litter and evidence of graffiti	Some litter and evidence of graffiti which has been regularly cleaned /addressed as part of the day to day management of the site. Mown areas and weed free garden beds.	No evidence of litter or hazardous items, planting and pitch provision is regularly maintained for all levels of use. No unacceptable graffiti. Regular mowing of most lawn areas. Limited weeds.	No evidence of litter or hazardous items, well drained where appropriate, planting and pitch provision is regularly maintained for all levels of use. No unacceptable graffiti. Regular mowing of all lawn areas, weed free, mulched garden beds with adequate, suitable planting and irrigation.
Aesthetic Value	Site looks uninviting and unappealing.	Site looks uninviting and unappealing. There is some vegetation which provides some screening of the unappealing site.	Site has some attractive areas which are appealing for visitors, however some areas of the site are also unappealing.	Most areas of the site are appealing. Those sites that are unappealing may not be easily visible or have limited use.	The site is very appealing; the scenery is of high value and adds to the appeal and social expectation of the surrounding area.
Reticulation Present	No reticulation evident.	Very limited reticulation. A creek or drainage feature may provide some natural reticulation.	Limited reticulation related mainly to playing surfaces.	Reticulation through most of the park.	Reticulation throughout the park area evenly distributed.

Litter Bins	No litter bins.	Bins in poor condition.	Limited bins, not full (regularly emptied) and in adequate condition.	Moderate allocation of bins that are in good condition.	Bins in good condition located throughout the park area with appropriate signage.
Environmental Value					
Vegetation	No vegetation.	Very minimal vegetation. Weed species present. Bushland shape has exposed perimeter - long and thin.	There is some vegetation, however it is either sparsely distributed throughout the site, or the vegetation present is non-native. Maybe some significant amounts of vegetation, however the vegetation is young and not well established. Limited species diversity. Bushland shape is small rectangular / circular.	Significant amounts of vegetation. Most of the vegetation is native. Some of the vegetation may be immature. There may be a limit in species diversity. Bushland shape is large and rectangular / circular.	Significant amounts of vegetation. Vegetation is native and in good health. Vegetation is mature with evidence of self-perpetuation. There is a diversity of species. Bushland shape is large and rectangular / circular.
Ecological Community	Ecological community is non-existing. There is no vegetation to support an ecological community.	Ecological community is small, may only include invasive/pest species or very few native species. There are weeds present. No adequate drainage. Erosion or site degradation present.	Ecological community is small, may only include invasive/pest species or very few native species. There are weeds present and some adequate drainage.	Supports a native ecological community. Evidence of native animals present at the site or utilising the site. Well maintained.	Supports a large healthy native ecological community. Evidence for a broad range of native animals present at the site or utilising the site. Well maintained. No sign of invasive/pest species affecting the ecosystem. A healthy wetland or creek present. No weed species evident.
Streetscapes	No trees. Verge not wide enough or not suitable with the surrounding infrastructure.	Verge may be side enough, yet does not support any trees for shade.	Some trees, poorly maintained and/or not suitable species, sparsely located to provide adequate shade.	Appropriate species of tree and/or well maintained. Shade provided is good in some locations, however could be improved in other areas.	Significant amounts of shade provided by trees and ample amount of verge space which allows for ecological linkages, understory evident and well-maintained for sightlines, BPZ and free of weeds. Culturally appealing, compatible with infrastructure.

APPENDIX 12: POS TRANSFER AND IMPROVEMENT SITES

Reserve	Rating	Description	Action
Forrestfield – 62.77ha @ 11.12% Accumulative Transfer = 9.87ha. Reduces Forrestfield POS to 57.84ha and 10.25%			
Almond Way POS	D	Local Park which is an island that Almond Way surrounds. Low quality and function.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Anderson Road Park	C	Local Park of low quality. Located 80m from Almond Way POS.	Transfer. If deemed more appropriate swap action with Almond Way POS. Transfer of either park to fund the improvement of the other. 0.21ha. Reduces Forrestfield POS to 62.54ha and 11.08%.
Berberis Way Reserve	C	Small reserve serves as access way between two cul-de-sacs.	No Action required.
Berkshire Road Reserve	D	Vacant cleared land with no infrastructure or vegetation. No quality or function. Neighbours commercial lot.	Transfer. 0.2ha. Reduces Forrestfield POS to 62.55ha and 11.09%.
Blackbutt Way Reserve	C	Local Park which is an island surrounded by Blackbutt Way. Low quality and function.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Cambridge Road Reserve	D	Large reserve with drainage and dispersed natural vegetation. Identified as potential location for aged person development. Refer to Cambridge Road Recreational Reserve Report prepared by The Planning Group 2012. Concept plans identified up to 4ha to be developed with remainder to be retained POS. Hester Land Assessment Report 2010 recommends partial transfer with partial area retained for POS.	Transfer. 8.94ha. Noting that transfer would likely not exceed 4ha. Transfer of up to 4ha Reduces Forrestfield POS to 58.77 and 10.42%.
Connaught Street Reserve	C	Local Park of reasonable quality and function. Eastern portion of reserve on the east side of Cowra Street was identified in the Hester Land Assessment Report 2010 for transfer with funds being re-invested into more strategic recreation reserves in the district.	Improve. As funding and resources allow, project specific brief required. Review periodically. Transfer (East Portion). 0.18ha. Reduced Forrestfield POS to 62.59ha and 11.09%
Dawson Park	C	District Park with sporting oval and large areas of natural vegetation. Reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Fagin Way Reserve	C	Small reserve serves as access way between Fagin Way and Jubilee Road.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Gala Way POS	C	Local Park of reasonable quality.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Gotha Way POS	D	Local Park which is an island that Gotha Way surrounds. Located 150m from Hartfield Park and Connaught Street Reserve.	Transfer. 0.36ha. Reduces Forrestfield POS to 62.41ha and 11.06%.
Hale Road Easement	D	Small reserve which connects to 'Hale Road Easement' transmission corridor. Difficult to access/know it exists. Pathway connects to Gimlet Court and Berkshire Road.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Magnolia Way Reserve	C	Local Park of reasonable quality. Next to Forrestfield District Centre. Hester Land Assessment Report 2010 recommends transfer with funds being re-invested into more strategic recreation reserves in the district.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Orchid Park Estate 1	C	Local Park of reasonable quality.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Pioneer Park	D	Regional Park fenced off with very limited use. Previously a multi-purpose sports facility. Contaminated site that required remediation to be functioning reserve.	Investigate costs of remediation and most suitable course of action.

		Hester Land Assessment Report 2010 recommends long term opportunity requiring detailed structure planning process to be undertaken.	
Sultana Road East POS	C	Local Park of reasonable quality. Hester Land Assessment Report 2010 recommends rationalisation of reserve.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Sussex Road Reserve	D	Small reserve of low quality and function. Natural vegetation present. Identified in Hester Land Assessment Report 2010 for transfer with funds being re-invested into more strategic recreation reserves in the district.	Transfer. 0.16ha. Reduces Forrestfield POS to 62.16ha and 11.02%.
Tillia Court Reserve	C	Local Park of reasonable quality. Hester Land Assessment Report recommends that further investigation required to identify ability to transfer of site.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Gooseberry Hill – 8.36ha @ 2.36% Accumulative Transfer = 0.18ha. Reduces Gooseberry Hill POS to 8.07ha and 2.31%			
Currawong Drive Reserve	D	Large reserve of low quality and function. Large amounts of vegetation and poorly maintained.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Currawong POS	C	Local Park of reasonable quality. Difficult to access/know it exists.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Huntley Street Reserve South	D	Vacant land with existing vegetation. Wedged between residential lots and restricted access due to its location. Very little scope for any possible action.	No Action possible. Review periodically.
Noel Road Reserve	D	Local Park of limited functionality. Some native vegetation on the reserve. Hester Land Assessment Report 2010 recommends transfer.	Transfer. 0.18ha. Reduces Gooseberry Hill POS to 8.18ha and 2.34%.
Wordsworth Reserve	D	Small reserve with limited function. Limited scope for improvement. Hester Land Assessment Report 2010 recommends transfer.	Transfer. 0.11ha. Reduces Gooseberry Hill POS to 8.25ha and 2.36%
High Wycombe – 41.40ha @ 8.68% Accumulative Transfer = 0.65ha. Reduces High Wycombe POS to 40.59ha and 8.51% *Note that Forrestfield North likely to increase High Wycombe POS percentage			
Abernethy Road Reserve	C	Large reserve at Abernethy Road/Kalamunda Road intersection. Limited function and hard to access for pedestrian. Could potentially be used for road widening/upgrades in the future.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Acton Link Reserve	C	Local Park with of reasonable quality and limited function.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Adelaide Street Reserve	D	Vacant cleared land with no infrastructure or vegetation. 250m from Larwood Crescent POS.	Transfer. 0.1ha. Reduces High Wycombe POS to 41.30ha and 8.65%.
Agraulia Court Park	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Bandalong Way Reserve	D	Vacant land with existing natural vegetation. Limited quality and function. 280m from Rangeview Park. Hester Land Assessment Report 2010 recommends transfer.	Transfer. 0.18ha. Reduces High Wycombe POS to 41.22ha and 8.63%.
Citrus Grove Reserve	D	Vacant land with existing vegetation. Wedged between residential lots and restricted access due to its location. Hester Land Assessment Report 2010 recommends transfer.	Transfer. 0.16ha. Reduces High Wycombe POS to 41.24ha and 8.64%.
Cyril Road Reserve	C	Large Local Park of low quality and function. Located near Peter Annus Park, Progress Reserve and Rangeview Park which provide greater function and quality. Given existing natural vegetation Cyril Road Reserve can serve more of an aesthetic function. Hester Land Assessment Report 2010 recommends reserve be retained.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Ellis Court POS	D	Vacant land with existing natural vegetation. Limited quality and function. Access via Ellis Court cul-de-sac. Buffer from Roe High Way. Limited scope for any possible action. Hester Land Assessment Report 2010 recommends transfer.	Transfer. 0.37ha. Reduces High Wycombe POS to 41.03ha and 8.60%.

Emms Reserve	C	Local Park of reasonable quality and function. Hester Land Assessment Report 2010 recommends transfer.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Gladys Newton Park	C	Neighbourhood Park of limited quality and function. Neighbouring lots likely to become Aged Persons Accommodation.	Improve. As funding and resources allow, project specific brief required. Review periodically.
John McLarty Park	C	Local Park of reasonable quality and function.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Larwood Crescent POS	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Peter Annus Park	C	Local Park of low quality and limited function. Across the road from Rangeview Park	Improve. As funding and resources allow, project specific brief required. Review periodically.
Peter Hegney Park	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Pine Tree Reserve	C	Local Park of reasonable quality and function. Island surrounded by O'Connell Way.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Swan Road Reserve	D	Vacant land with existing natural vegetation. Wedged between residential lots and restricted access due to its location. Very little scope for any possible action. Hester Land Assessment Report 2010 recommends transfer, however will require the acquisition of an adjacent lot to be able to provide access.	Investigate potential for transfer.
Viv Robinson Park	C	Local Park of reasonable quality and function. Provides pedestrian access from Joudah Court, Damper Place and Wittenoom Road.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Kalamunda – 36.07ha @ 5.80% Accumulative Transfer = 1.15ha. Reduces Kalamunda POS to 34.92ha and 5.62%			
Beenup Place Reserve	D	Local Park of limited functionality. Some native vegetation on the reserve.	Transfer. 0.14ha. Reduces Kalamunda POS to 35.93ha and 5.78%.
Broula Road Reserve	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Gunbar Way Reserve	D	Vacant land with existing natural vegetation. Neighbouring property using for parking. Limited scope for transfer or improvement. Hester Land Assessment Report 2010 recommends transfer.	Transfer. 0.12ha. Reduces Kalamunda POS to 35.95 and 5.78%.
Herald Close Reserve	D	Vacant land with existing natural vegetation. At the end of Herald Close cul-de-sac. Limited scope for improvement. Hester Land Assessment Report 2010 recommends transfer.	Transfer. 0.08ha. Reduces Kalamunda POS to 35.99ha and 5.79%.
Holly Way West Reserve	D	Local Park of limited functionality. Some native vegetation on the reserve. Hester Land Assessment Report 2010 recommends transfer.	Transfer. 0.17ha. Reduces Kalamunda POS to 35.90ha and 5.78%.
J.Miller Park	D	Vacant land with existing natural vegetation. At the end of Manooka Way cul-de-sac. Hester Land Assessment Report 2010 recommends improvement.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Lalor Place POS	C	Local Park of low quality and function.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Nangkita Way Reserve 1	C	Local Park of reasonable quality and low function. 150m away from Nangkita Way Reserve 2.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Nangkita Way Reserve 2	C	Local Park of reasonable quality and function.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Pauline Avenue Reserve	D	Local Park of limited functionality. Some native vegetation on the reserve. Hester Land Assessment Report 2010 recommends transfer.	Transfer. 0.20ha. Reduces Kalamunda POS to 35.87ha and 5.77%.

Petunia Street Reserve 1	D	Vacant land with existing natural vegetation. Low quality and no function. 90m from Petunia Street POS which is classified as a Biodiversity Asset. Hester Land Assessment Report 2010 recommends transfer.	Transfer. 0.20ha. Reduces Kalamunda POS to 35.87ha and 5.77%.
Simeon Close Reserve	D	Local Park of limited functionality. Some native vegetation on the reserve. Hester Land Assessment Report 2010 recommends transfer.	Transfer. 0.24ha. Reduces Kalamunda POS to 35.83ha and 5.76%.
Lesmurdie – 40.69ha @ 6.07% Accumulative Transfer = 0.41ha. Reduces Lesmurdie POS to 40.18ha and 6.00%			
Anthony Street Reserve	D	Vacant land. At the end of Anthony Street. Difficult to access/know it exists. Limited scope for improvement or transfer. Hester Land Assessment Report 2010 recommends transfer.	Transfer. 0.20ha. Reduces Lesmurdie POS to 40.49ha and 6.04%.
Glen Road POS	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Lesmurdie Road Reserve	D	Vacant land with existing natural vegetation. Low quality and no function.	Transfer. 0.21ha. Reduces Lesmurdie POS to 40.48ha and 6.04%.
Mario Court POS	D	Vacant land with existing natural vegetation. Wedged between residential lots and difficult to access/know it exists. Pedestrian access pathway links Mario Court to Rootes Road. Limited scope for improvement. No scope for transfer.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Nangkita Way Reserve 2	C	Local Park of reasonable quality and function.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Neil Tonkin Park/Falls Farm Reserve	C	Neighbourhood Park of reasonable quality and function.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Pagotto Park	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Peter Thiel Reserve	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Sanderson Road Reserve/Pax Hill	D	Vacant Land with existing natural vegetation. Neighbours existing bushland. Hester Land Assessment Report 2010 recommends portion be retained as POS and investigate potential for portion to be transferred.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Maida Vale – 19.27ha @ 9.08% No Transfer Proposed *Note that Maida Vale South likely to increase Maida Vale South POS percentage			
Berry Drive Reserve	C	Local Park of reasonable quality and limited function. Neighbours Scenic Drive Reserve and is across the road from Meloway Drive Reserve.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Kalamunda Road Reserve	C	Local Park of reasonable quality and low function. Neighbours transmission corridor. Hester Land Assessment Report 2010 recommends reserve be retained.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Meloway Drive Reserve	C	Local Park of reasonable quality and function. Hester Land Assessment Report 2010 recommends investigation into potential transfer.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Nestle Brae Creek Reserve	D	Local Park of low quality and limited function. Wedged between residential lots, located at end of Gumnut Close cul-de-sac. Nestle Brae Creek runs through the reserve.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Saddleback Circle Reserve	C	Neighbourhood Park of low quality and reasonable function. Hester Land Assessment Report 2010 recommends engagement with community to determine desired outcomes.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Rural East-Walliston – 4.61ha @ 4.20% No Transfer Proposed			

Anne Avenue Reserve	D	Vacant land with existing natural vegetation. Small lot with limited scope for improvement. transfer	No Action required. Ensure maintained to acceptable standard. Review periodically.
Lawnbrook Road Reserve	C	Local Park of reasonable quality and function. Large amounts of natural vegetation.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Norma Street POS	D	Vacant land with existing natural vegetation. 60m from Norma Street Reserve and 90m from Banksia Road Reserve. Limited scope for transfer or improvement.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Norma Street Reserve	C	Local Park of low quality and limited function.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Wattle Grove – 29.48ha @ 17.43% No Transfer Proposed			
Fennell Crescent POS	C	Local Park of reasonable quality and function.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Hardey East Road Reserve	C	Local Park of low quality and function. Links with The Promenade POS.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Maamba Road POS	C	Local Park of reasonable quality and function. Across the road from Gillings Parade POS.	No Action required. Ensure maintained to acceptable standard. Review periodically.
Olivine Gardens Reserve	D	Vacant land with existing natural vegetation. Allocated drainage on the lot. Reserve neighbours Willow Lake Estate. Serves as buffer to Row Highway. Limited scope for transfer.	Improve. As funding and resources allow, project specific brief required. Review periodically.
Willow Lake Estate	C	Local Park of reasonable quality and function. Hester Land Assessment Report 2010 recommends reserve to be retained.	No Action required. Link to Olivine Gardens – No Name. Ensure maintained to acceptable standard. Review periodically.
Woodlupine Creek Undeveloped Reserve	D	Vacant land with no existing vegetation or infrastructure. Still to be developed as part of Cell 9.	Improve. As funding and resources allow, project specific brief required. Review periodically.

*All other reserves not mentioned above to be dealt with as part of the Community Facilities Plan, Parks Asset Management Plan and any relevant Master Plans. All reserves mentioned above to be considered in conjunction with the Community Facilities Plan, Parks Asset Management Plan and any relevant Master Plans. To be reviewed periodically.

APPENDIX 13: CONSULTATION PROTOCOL

The following consultation protocol will be undertaken in the process of POS transfer, POS Improvement and Acquisition of POS:

No.	Consultation Process	Method
1.	Set the scope for the consultation process	<ul style="list-style-type: none"> • Identify what is proposed. • Identify the location of the proposal. • Identify opportunities and constraints of the proposal. • Scope consultation as listed below.
2.	Identify the key stakeholders	<ul style="list-style-type: none"> • The Community. • Surrounding landowners. • Community groups/organisations and clubs that would be affected by the proposal. • Key state agencies.
3.	Inform stakeholders	<ul style="list-style-type: none"> • A sign is to be erected on site • A notice is to be placed in the local newspaper for two consecutive weeks. • Letters are to be sent to nearby landowners within a 200m radius of the site. • Letters to be sent to affected community groups/organisations and clubs. • Referred to Department of Planning, Lands and Heritage and other relevant servicing authorities. • A notice to be placed on the City's notice boards and the City's website. • <i>An information session at a local venue may be organised if deemed appropriate.</i>

4.	Provide an opportunity for information to be obtained, accessible and easily understood	<ul style="list-style-type: none"> • Advertisement to be for a minimum period of 30 days. • Information on the proposal to be available at the City's administration and the City's website.
5.	Invite feedback	<ul style="list-style-type: none"> • Submissions can be made over the advertising period via email, letter and the City's website.
6.	Consider feedback before making a final decision	<ul style="list-style-type: none"> • Submissions to be reviewed and discussed. • Consultation Findings and Outcomes Report to be developed and made public.
7.	Communicate our decisions to stakeholders and the community	<ul style="list-style-type: none"> • Recommendation to be made to Council for decision. • Council to make decision. • Decision to be advertised via the following methods: <ul style="list-style-type: none"> ○ A notice to be placed in a local newspaper ○ A sign is to be erected on site ○ Letters are to be sent to nearby landowners within a 200m radius of the site. ○ Letters to be sent to affected community groups/organisations and clubs. ○ A notice to be placed on the City's notice boards and the City's website.
8.	Review our consultation to ensure we are effectively communicating with stakeholders	<ul style="list-style-type: none"> • Feedback of the consultation process available on the City's website and via email and letter. • Consultation protocol to be reviewed every two years and when the Strategy is reviewed.

APPENDIX 14: REFERENCES

- City of Charles Sturt, (n.d.) Best Practice Open Space Provision for Higher Density Infill Development Project, Retrieved from:
[http://www.charlessturt.sa.gov.au/webdata/resources/files/Best Practice Open Space in Higher Density Developments - Information and Examples - March 2012.pdf](http://www.charlessturt.sa.gov.au/webdata/resources/files/Best_Practice_Open_Space_in_Higher_Density_Developments_-_Information_and_Examples_-_March_2012.pdf)
- City of Melville (2012) Community and Facilities, Len Shearer Reserve, Retrieved from:
<http://www.melvillecity.com.au/community-and-facilities/community-sport-and-recreation/parks-and-reserves/for-hire/len-shearer-reserve>
- Cohen, McKenzie, Williamson & Golinelli (2007) Contribution of Public Parks to Physical Activity (97(3): 509–514.) Retrieved from:
<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1805017/>
- Department of Sport and Recreation (2012) Classification framework for public open space, Perth, Western Australia
- Forecast. id (2016) Population Forecast, City of Kalamunda, Retrieved from:
<http://forecast.id.com.au/kalamunda>
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- Tye, M., Middle, G., Costello, D. and Hedgcock, D. (2012) *Unintended socio-economic consequences of reduced supply of active open spaces in the Perth outer metropolitan growth areas: A review of informing literature*. A report for the Outer Metropolitan Growth Councils, Perth. December 2012. Centre for Sport & Recreation Research, Curtin University, Western Australia.

10.2.3. Local Planning Scheme No. 3: Amendment 35 - Change of Density from R2.5 to R5 – Lot 31 (16) and Lot 32 (20) Halleendale Road and Lot 33 (10) Dan Close, Walliston

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	OCM 193/92, OCM 144/2010, and OCM 182/2011
Directorate	Development Services
Business Unit	Approval Services
File Reference	PG-LPS-003/035
Applicant	Algeri Planning and Appeals
Owner	KJ & KE Elmy, F & L Carameli, DJ & TL Wallace
Attachments	<ol style="list-style-type: none"> 1. Advertised Amendment 35 Document [10.2.3.1] 2. Modified Amendment 35 Document [10.2.3.2] 3. Applicants Justification Report [10.2.3.3] 4. Bushfire Management Plan [10.2.3.4] 5. Submissions from Department of Health and Department of Primary Industries and Regional Development, and Applicant's Response to these Submissions [10.2.3.5] 6. Excerpt from MRS Amendment 1292/57 relating to the subject site [10.2.3.6]

EXECUTIVE SUMMARY

1. The purpose of this report is for Council to consider the progression of Amendment 35 (the Amendment) to increase the residential density of Lots 31 (16) and 32 (20) Halleendale Road and Lot 33 (10) Dan Close, Walliston, from R2.5 to R5.
2. A key issue relates to rural and sensitive land use conflicts raised by the Department of Health and Department of Primary Industries and Regional Development during advertising of the Amendment. To address this matter, it is recommended that a requirement for a notification to be placed on the title to notify prospective purchasers of existing and new lots of the adjacent rural land uses that may affect residential amenity.
3. Subject to minor modifications to the Amendment, it is recommended that Council support the progression of the Amendment to the Minister of Planning for determination.

BACKGROUND

4. Land Details:

Land Area:	Lot 31: 4,000m ² Lot 32: 4,002m ² Lot 33: 4,002m ²
Local Planning Scheme Zone:	Residential Bushland R2.5
Metropolitan Regional Scheme Zone:	Urban

5. The lots subject to the Amendment are approximately 4,000m² in size, zoned Residential Bushland R2.5, contain single dwellings and associated outbuildings, and are on the corner of Halleendale Road and Dan Close.
6. Land to the north of the subject site and in the broader urban area of Walliston is zoned Residential R10, to the east and south of the site is zoned Special Rural used for orchards, to the west of the site is the Kalamunda Christian School.

7. **Locality Plan:**



8. **Amendment 35 background:**

In October 2010 Council resolved (Resolution OCM 144/2010) to adopt the Amendment to the Scheme for the purposes of public advertising. The Amendment proposed to increase the residential density of Lots 31 (16) and 32 (20) Halleendale Road and Lot 33 (10) Dan Close, Walliston, from R2.5 to R5.

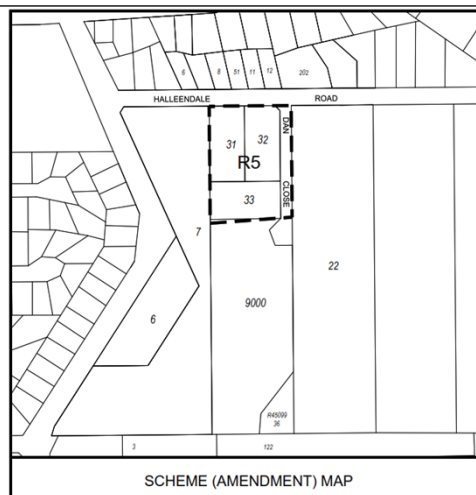
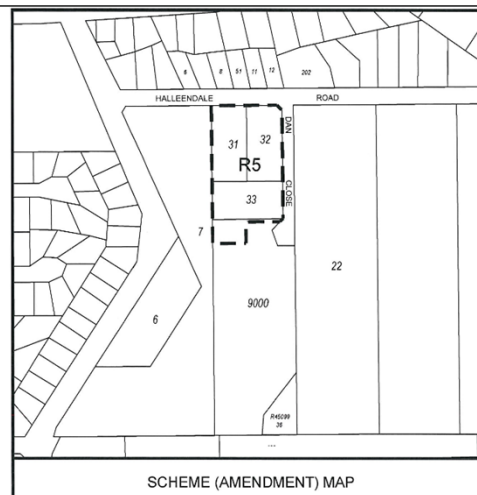
9. Subsequent to Council's initiation of the Amendment, the applicant advised the City of the following:

"Whilst the initial amendment would facilitate each individual lot owner to subdivide their respective lots into two, there would be no net benefit in pursuing the amendment if any of the existing dwellings are required to be demolished. More specifically, the position of the dwelling on Lot 31 would be problematic and the owners of Lot 31 and 33 have long since discussed a land swap situation that also involves land being amalgamated from Lot 9000.

It is for this reason that the initial amendment, determined by Council at its Ordinary Meeting on 4 October 2010 was not proceeded with."

In light of the above advice from the applicant, the version of the Amendment adopted by Council in October 2010 did not progress to public advertising.

10. At the Ordinary Council Meeting held in November 2011 (OCM 182/2011), a modified version of the Amendment was adopted for the purposes of advertising. The key modification to the Amendment involved a portion of the land to the south of the Amendment area (Lot 9000) being included in the Amendment area and being rezoned from Special Rural to Residential Bushland R5. This would be consistent with the zoning sought of the other lots subject of the amendment. The below table illustrates the difference between the versions of the Amendment that were adopted by Council in October 2010 and November 2011.

11.	 <p>Initially adopted by Council on 18 October 2010 (Resolution OCM 144/2010)</p>	 <p>Initially adopted by Council on 21 November 2011 (OCM 182/2011)</p>
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12. At the time of the initial adoption of the Amendment, the area was zoned Rural under the MRS. Given the proposed amendment incorporated further intensification (a higher residential density), in order for the Amendment to be consistent with the MRS, the MRS was required to be amended to zone the subject land to Urban. According to the information provided in the Council report in November 2011, the Western Australian Planning Commission (WAPC) advised the applicant that they would hold the Amendment until the MRS zoning was changed to Urban to facilitate a Residential zoning.
13. On 14 July 2017, MRS Omnibus Amendment No. 1292/57 was gazetted which, in part, rezoned Lots 31 (16) and 32 (20) Halleendale Road and Lot 33 (10) Dan Close, Walliston, from Rural to Urban. This has enabled the applicant to now progress Amendment 35.
14. The applicant now intends to progress the Amendment in accordance with the original plan initiated by Council on 18 October 2010 (see diagrams above). Given that the MRS Omnibus Amendment No. 1292/57 did not include the north-west portion of Lot 9000 the revised plan that was adopted in 2011 is unable to be progressed.

15. Regarding the comments made by the applicant in paragraph 12 above, the landowner of Lot 31 (16) Halleendale Road has recently indicated that they will be able to retain the dwelling, however will be required to remove the pool and outbuilding to facilitate subdivision in accordance with the amendment initiated by Council in October 2010.

DETAILS

16. The Amendment seeks to increase the residential density of Lots 31 (16) and 32 (20) Halleendale Road and Lot 33 (10) Dan Close, Walliston, from R2.5 to R5. The Residential Bushland zoning of the land under the City's Scheme would be retained. The Amendment would in effect enable each of the three (3) existing lots to be subdivided into two (2) lots.
17. It is noted that the Amendment was initially adopted by Council in October 2010 for the abovementioned lots, however a modified version of the Amendment was adopted in November 2011 to incorporate a portion of Lot 9000 to the south of the initial amendment area.
18. Importantly, Lot 9000 to the south of the subject site was not included in the Urban zone through MRS Omnibus Amendment No. 1292/57, which means that the modified version of the Amendment (adopted by Council in November 2011) is unable to proceed. Accordingly, the removal of Lot 9000 from the Amendment will be addressed as a modification for the purposes of proceeding to a final decision on the matter.

STATUTORY AND LEGAL CONSIDERATIONS

Planning and Development (Local Planning Schemes) Regulations 2015

19. This amendment was originally initiated in 2010 when the *Town Planning Regulation 1967* were in place. These regulations have since been replaced by the *Planning and Development (Local Planning Schemes) Regulations 2015* (Regulations). Under the 2015 Regulations, this amendment would be considered a 'Standard Amendment' for the following reasons:
- The Amendment relates to a zone that is consistent with the objectives identified in the Scheme for that zone;
 - The Amendment is consistent with the MRS;
 - The Amendment would have minimal impact on land in the Scheme area that is not the subject of the amendment;
 - The Amendment does not result in a significant environmental, social, economic or governance impacts on land in the scheme area; and
 - The Amendment is not considered a complex or basic amendment.
20. Regulation 50 of the Regulations requires local government to pass a resolution to do one of the following:
- a) support the Amendment without modification;
 - b) support the Amendment with proposed modifications to address issues raised in the submissions; or
 - c) not support the amendment.

Local Planning Scheme No. 3

21. The subject land is currently zoned 'Residential Bushland' with a density coding of R2.5 pursuant to the City's Scheme. Clause 4.2.1 of the Scheme provides the following objectives for the zone:
- To promote the development and use of land primarily for single detached houses, ensuring that development is designed and sited in a manner which is sensitive to the environmental characteristics of the land.
 - To give due consideration to land uses that are compatible with the amenity of surrounding residential development.
 - Encourage the retention and rehabilitation of native vegetation and the minimisation of bush fire hazard.

POLICY CONSIDERATIONS

State Planning Policy 3.1 - Residential Design Codes

22. The Residential Design Codes prescribe site area and density standards that apply to residential density codes. In this instance, the difference in development standards applicable to the Amendment being sought is as follows:

Minimum development standards	R2.5 (existing density)	R5 (proposed density)
Site area:	4,000m ²	2,000m ²
Frontage:	40m	30m
Open space:	80% of site area	70% of site area
Primary street setback:	15m	12m
Secondary street setback:	7.5m	6m
Other/rear setback:	7.5m	As per tables 2a and 2b for side setback (generally 1m – 1.5m for single storey) 6m for rear setback

Perth and Peel @ 3.5 million and North-East Sub-Regional Planning Framework

23. North-East Sub-Regional Planning Framework (Framework) forms part of the WAPC Perth and Peel@3.5million suite of strategic land use planning documents which aim to accommodate 3.5 million people by 2050.
24. Consistent with MRS Amendment 1292/57 (mentioned above), the subject land is shown as 'Urban' under the Framework.

Development Control policy 2.5 – Special Residential Zones

25. In relation to lot sizes, clause 3.2.1 states that the minimum lot size for Special Residential zones should be 2,000m² or the equivalent of an R5 density coding, where reticulated water is provided. Reticulated water is available to this site.

Existing and Draft Government Sewerage Policy

26. Clause 6.2 of the Draft Government Sewerage Policy 2016 outlines exemptions to the policy's mandatory requirement to connect to sewer through subdivision. Specifically, clause 6.2(1) provides that an exemption may be considered for residential subdivisions for the creation of lots greater than 2,000m². This position is consistent with the provisions in the existing Government Sewerage Policy. This amendment would enable the subdivision of lots to a minimum size of 2,000m², which would meet this sewer exemption.

State Planning Policy 3.7 – Planning in Bushfire Prone Areas

27. The subject land is designated as being within a bushfire prone area pursuant to the Department of Fire and Emergency Services' mapping and therefore State Planning Policy 3.7 – Planning in Bushfire Prone Areas (SPP 3.7) is applicable to the proposed amendment.
28. The applicant has lodged a Bushfire Management Plan which demonstrates that the subject land can comply with the requirements of SPP 3.7 and the bushfire protection criteria of the WAPC's Guidelines for Planning in Bushfire Prone Areas.

State Planning Policy 2.5 – Rural Planning

29. State Planning Policy 2.5 (SPP 2.5) applies to rural land and uses and land that may be impacted by rural land uses in WA. A key intent of SPP2.5 is to ensure broad compatibility (and reduce conflict) between rural and other land uses.
30. SPP 2.5 incorporates provisions which seek to limit the introduction of sensitive land uses (such as new dwellings) where it would limit primary production. In this regard, planning proposals should take into account whether a buffer is required, having regard to separation distances recommended in Government policy and guidance, management and operating conditions of the rural use, potential cumulative impacts, and whether modelling is required to assess the impacts.
31. The Environmental Protection Authority's Guidelines for Separation of Agricultural and Residential Land Uses recommends a general buffer distance of 500m, however the precise buffer distance would depend on a number of factors, such as chemicals used, method of application, site characteristics, proposed land uses, surrounding characteristics such as road reserves and existing vegetation.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

32. The Amendment has been assessed by the City from an Environmental Health and Asset Services perspective prior to final adoption. The following points were noted (summarised):

Environmental Health:

- a) Regarding the rural and sensitive land use conflict concerns raised by the Department of Health and Department of Primary Industries and Regional Development (see below), there are numerous properties including the three (3) properties subject to the Amendment which are already located within the recommended agricultural buffer area. There is no history of complaints about spray drift.
- b) Recommended that the Amendment includes a requirement that a notification be placed on the certificate(s) of title of the lots advising of the close proximity to an existing orchard, so that new owners are aware of surrounding land uses.

From an Asset Services perspective, it was noted that drainage easements would likely be required through the subdivision process.

External Referrals

33. The Amendment was advertised in accordance with the requirements of the Regulations for a 'Standard Amendment' and the City's P-DEV 45 as follows:

- a) Letters to surrounding landowners/occupiers;
- b) Letters to relevant public and service authorities;
- c) Notice on the City's Website and Social Media platform;
- d) Signage on site;
- e) Local newspaper advertisement; and
- f) Display of documents at the City's Administration Centre.

34. At the conclusion of the advertising period, the City had received seven submissions, all from government and service authorities, comprising four non-objections, two objections and one comment on the proposal.

35. **Department of Fire and Emergency Services (comment on the proposal)**

The Department of Fire and Emergency Services advised that the proponent has adequately identified issues arising from the bushfire risk assessment and considered how compliance with the bushfire protection criteria can be achieved within the submitted BMP. However, minor modifications to, or further information regarding, the BMP were recommended prior to subsequent planning stages as follows:

- a) That the City, in consultation with the Department of Planning, Lands and Heritage (DoPLH), clarify the assessment methodology for the south-most lots within the Amendment area, to determine whether a dwelling is capable of being constructed to meet the maximum BAL-29 requirements of the WAPC's Guidelines for Planning in Bushfire Prone Areas. The City

clarified this matter with the DoPLH as requested by DFES, which resulted in confirmation that the subdivision would enable a dwelling to be constructed within an area of the lot with a maximum BAL-29 rating.

- b) Modification to the proposed Fire Service Access Route (FSAR) and Emergency Access way (EAW) so that it connected to Halleendale Road and Dan Close through the battle-axe legs of the future subdivision. The applicant responded to this submission with an amended version of the BMP to address DFES's recommendation.

DFES noted that the revised BMP does not need to be forwarded to them for further consideration at this stage in the planning process.

36. **Department of Health (objection)**

The Department of Health (DoH) provided the following comments (summarised):

- a) All developments resulting from the Amendment are required to be connected to scheme water and comply with the Government Sewerage Policy – Perth Metropolitan Region.
- b) There may be a concern about the existing orchard and potential agricultural activities on surrounding land and the possible resultant spray drift from chemical applications. The Amendment should adhere to the necessary buffer separation distances between agricultural and sensitive land uses.

37. **Department of Primary Industries and Regional Development (objection)**

The Department of Primary Industries and Regional Development (DPIR) provided the following comments (summarised):

- a) DPIR is concerned that the Amendment increases residential density adjacent to Rural zoned land, potentially creating land use conflicts;
- b) Given the subject land currently has residential zoning and land uses, DPIR recommended a requirement for a condition to be placed on the Title to notify prospective purchasers of existing and new lots of the adjacent land uses that may affect residential amenity.

FINANCIAL CONSIDERATIONS

38. Costs associated with the preparation of the Amendment documents and public consultation/advertising are being met by the applicant/owner.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

39. *Kalamunda Advancing Strategic Community Plan to 2027*

Priority 3: Kalamunda Develops

Objective 3.1 - To plan for sustainable population growth.

Strategy 3.1.1 - Plan for diverse and sustainable housing, community facilities and industrial development to meet changing social and economic needs.

SUSTAINABILITY

Social Implications

40. Nil.

Economic Implications

41. In this regard it is noted that sensitive land uses have already historically encroached on the orchard activities in this location, and that the proposed amendment would not in itself detrimentally impact the future viability of rural land uses. In the event that the rural zoned land on Halleendale Road were to change from an orchard to a different, more intensive, rural land use, consideration would even now need to be given to the amenity impacts on surrounding sensitive land uses such as schools and residential dwellings.

Environmental Implications

42. As mentioned above, the Environmental Protection Authority's Guidelines for Separation of Agricultural and Residential Land Uses recommends a general buffer distance of 500m as a guide, however the precise buffer distance would depend on a number of factors, such as chemicals used, method of application, site characteristics, proposed land uses, surrounding characteristics such as road reserves and existing vegetation.

RISK MANAGEMENT CONSIDERATIONS

43.	Risk: The Amendment would facilitate a sensitive land use within the recommended environmental buffer area, which would expose future occupants of new dwellings to impacts resulting from nearby rural land uses.		
	Likelihood	Consequence	Rating
	Unlikely	Significant	Medium
	Action/Strategy		
	Note that the City has not received any complaints from occupants of sensitive land uses, regarding the ongoing operation of orchards on Halleendale Road. Requirement for a condition to be placed on the Title to notify prospective purchasers of existing and new lots of the adjacent land uses that may affect residential amenity		

OFFICER COMMENT

44. Since the gazettal of MRS Omnibus Amendment 1292/57 on 14 July 2017, the applicant has sought to progress the subject Amendment 35 that was originally initiated by Council in October 2010 and modified in November 2011.

45. The applicant intends to progress the Amendment in accordance with the plan initiated by Council on 18 October 2010 (see diagrams above) given that the MRS Omnibus Amendment No. 1292/57 did not include the north-west portion of Lot 9000 and is unable to be rezoned to an urban, residential zone under the Scheme.
46. In justification for the proposed increase in density and proximity to services, the applicant submits that the Amendment will allow for an increase of three single residential dwellings within close proximity (within 200m) to the local centre (Walliston Deli), Bill Shaw Reserve public open space, adjoining Kalamunda Christian School, and Walliston Primary School.
47. Under the recently adopted North-East Sub-Regional Planning Framework the subject land is shown as 'Urban' to account for the existing Residential-Bushland zoning of the land. The proposal is considered to be consistent with the objectives of the Residential Bushland zone under the Scheme, in that it would not compromise the development and use of land primarily for single detached houses, and enable development to be designed and sited in a manner which is sensitive to the environmental characteristics of the land.
48. In regard to the surrounding pattern of density in the area, the predominant zoning is Residential R10, which is a higher density than the Residential-Bushland R5 density that is being sought. The density proposed is not considered inappropriate in this respect.
49. Regarding the concerns raised by DoH and DPIR, the following is noted for Council's consideration:
- a) The DoH's and EPA's Guidelines for Separation of Agricultural and Residential Land Uses recommends a separation distance of 500m, which is not achieved in this instance.
 - b) If the recommended 500m separation distance were to be applied to sensitive land uses in the vicinity of the Amendment area, it would include approximately 300 residential dwellings and two (2) schools.
 - c) There is no history of complaints about rural land uses in the area.
 - d) The Amendment represents a relatively minor level of intensification of a sensitive land use in the vicinity of the existing orchards on Halleendale Road, and would not in itself result in undue limitations on the primary production capabilities of the rural zoned land in the area.
 - e) SPP 2.5 provides for the use of a condition that notifies prospective purchasers of a lot that may affect residential amenity.
50. Having regard to the above, it is recommended that requirement for a notification to be placed on the land title to notify prospective purchasers of existing and new lots of the adjacent rural land uses that may affect residential amenity.
51. The following modifications are proposed to Amendment 35 to address the submissions received, the issues discussed above, and to ensure consistency with the MRS Omnibus Amendment 1292/57:
- a) Removal of reference to Lot 9000 (20) Dan Close, Walliston, from the amendment.

- b) Realign the dividing line of the Residential Bushland and Special Rural zones to follow the southern cadastral boundary of Lot 33 (10) Dan Close, Walliston. This is to address a historical administrative mapping error on the Scheme.
- c) Insert a new requirement for a notification to be placed on the certificate(s) of title advising that the land use located near to operating primary production activities (orchard) and has the potential to be affected by odours, noise, spray drift and dust.

52. Subject to the abovementioned modifications, it is recommended that Council support the progression of the Amendment to the Minister for Planning for determination.

Voting Requirements: Simple Majority

RECOMMENDATION

That Council:

1. Pursuant to Part 5 Regulation 41(3)(b) of the *Planning and Development (Local Planning Schemes) Regulations 2015* supports Amendment 35 to Local Planning Scheme No.3 with modifications as contained in Attachment 2.
2. Pursuant to Part 5 Regulation 44 of the *Planning and Development (Local Planning Schemes) Regulations 2015*, forwards the Summary of Submissions and Responses and all required Amendment 35 documentation to the Western Australian Planning Commission.

PLANNING AND DEVELOPMENT ACT 2005

RESOLUTION TO AMEND LOCAL PLANNING SCHEME

CITY OF KALAMUNDA

LOCAL PLANNING SCHEME NO. 3

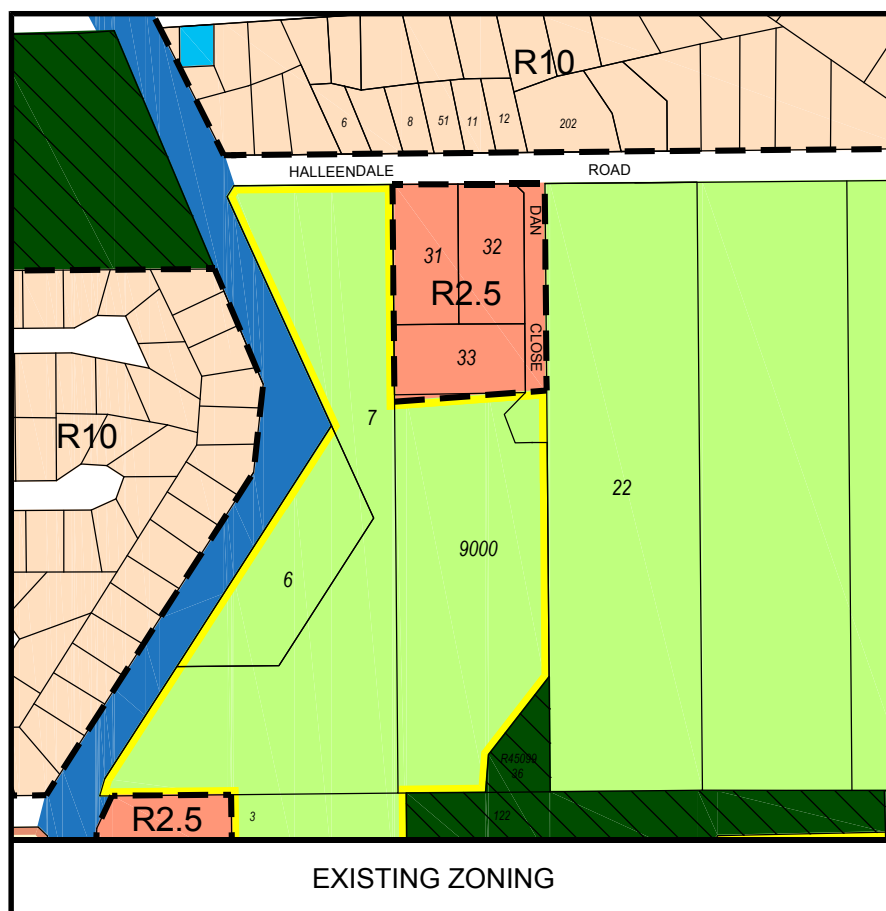
AMENDMENT NO. 35

Resolved that the Local Government pursuant to section 75 of the *Planning and Development Act 2005*, amend the above Local Planning Scheme by:

1. Changing the density of Lot 31 (16) and Lot 32 (20) Halleendale Road and Lot 33 (10) Dan Close, Walliston, from Residential Bushland R2.5 to Residential Bushland R5 and amend the Scheme Map accordingly.
2. Rezoning the north-west portion of Lot 9000 (20) Dan Close, Walliston, from Special Rural to Residential Bushland R5.

CITY OF KALAMUNDA TOWN PLANNING SCHEME No. 3

Planning and Development Act 2005



LEGEND

METROPOLITAN REGION SCHEME RESERVES

OTHER REGIONAL ROADS

LOCAL SCHEME RESERVES

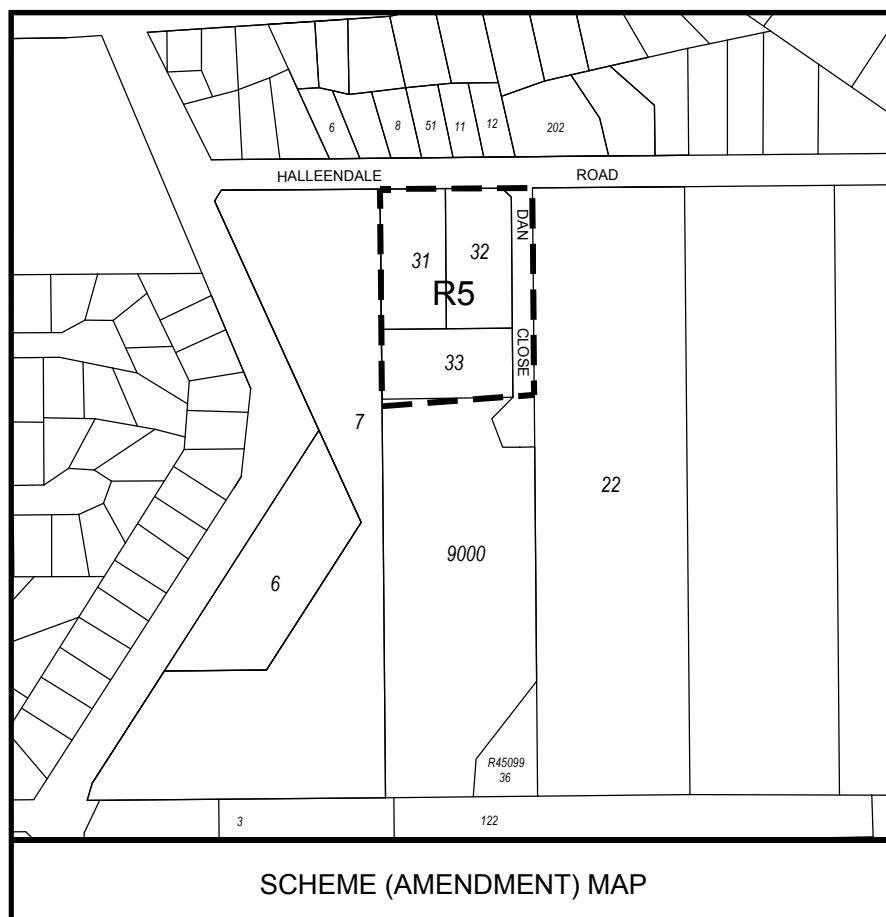
LOCAL OPEN SPACE

ZONES

RESIDENTIAL
RESIDENTIAL BUSHLAND
COMMERCIAL
RURAL AGRICULTURE
SPECIAL RURAL

OTHER

R CODES



LOCAL PLANNING SCHEME NO. 3

Amendment No. 35

Planning and Development Act 2005 (as amended)**RESOLUTION DECIDING TO AMEND A LOCAL PLANNING SCHEME**

CITY OF KALAMUNDA LOCAL PLANNING SCHEME NO. 3

AMENDMENT NO. 35

RESOLVED that the local government pursuant to section 75 of the *Planning and Development Act 2005* (as amended), amends the above Local Planning Scheme by:

1. Changing the density of Lot 31 (16) and Lot 32 (20) Halleendale Road and Lot 33 (10) Dan Close, Walliston, from Residential Bushland R2.5 to Residential Bushland R5 and amend the Scheme Map accordingly.
2. Realign the dividing line of the Residential Bushland and Special Rural zones to follow the southern cadastral boundary of Lot 33 (10) Dan Close, Walliston.
3. Insert the following additional development requirements into Clause 5.23.1 - Additional Site and Development Requirements (Table 4):

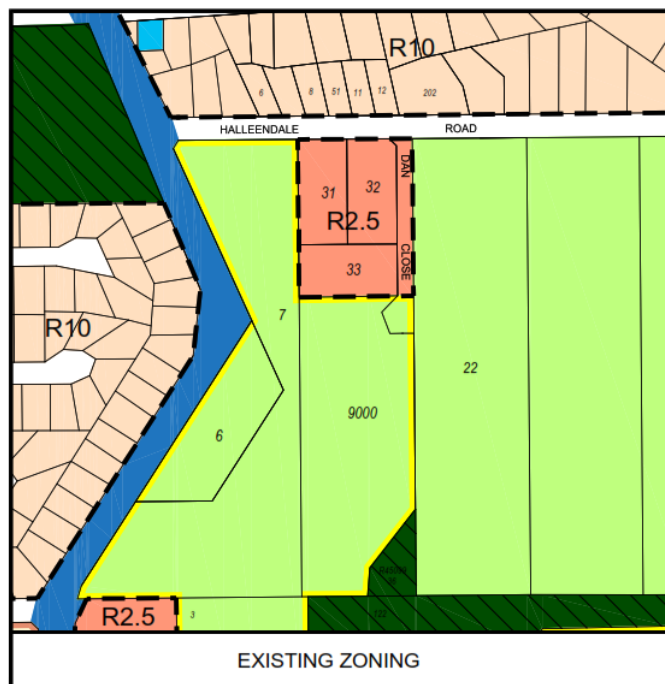
No.	Description of Land	Requirement
2	Lot 31 (16) and Lot 32 (20) Halleendale Road and Lot 33 (10) Dan Close, Walliston	<p>At the time of subdivision or development, a condition shall be applied to require a notification, pursuant to Section 165 of the <i>Planning and Development Act 2005</i> to be placed on the certificate(s) of title of the subject lots, advising of the existence of a hazard or other factor. Notice of this notification is to be included on the diagram or plan of survey (deposited plan). The notification is to state as follows:</p> <p><i>"This lot is located within 500 metres of operating primary production activities (orchard) and has the potential to be affected by odour, noise, spray drift and dust that are associated with the continued operation of the primary production activities (orchard)."</i></p>

The Amendment is standard under the provisions of the *Planning and Development (Local Planning Schemes) Regulations 2015* for the following reasons:

- The Amendment relates to a zone that is consistent with the objectives identified in the Scheme for that zone;
- The Amendment is consistent with the MRS;
- The Amendment would have minimal impact on land in the Scheme area that is not the subject of the amendment;
- The Amendment does not result in a significant environmental, social, economic or governance impacts on land in the scheme area; and
- The Amendment is not considered a complex or basic amendment.

**CITY OF KALAMUNDA
LOCAL PLANNING SCHEME No. 3**

Planning and Development Act 2005



LEGEND

METROPOLITAN REGION SCHEME RESERVES

OTHER REGIONAL ROADS

LOCAL SCHEME RESERVES

LOCAL OPEN SPACE

ZONES

RESIDENTIAL

RESIDENTIAL BUSHLAND

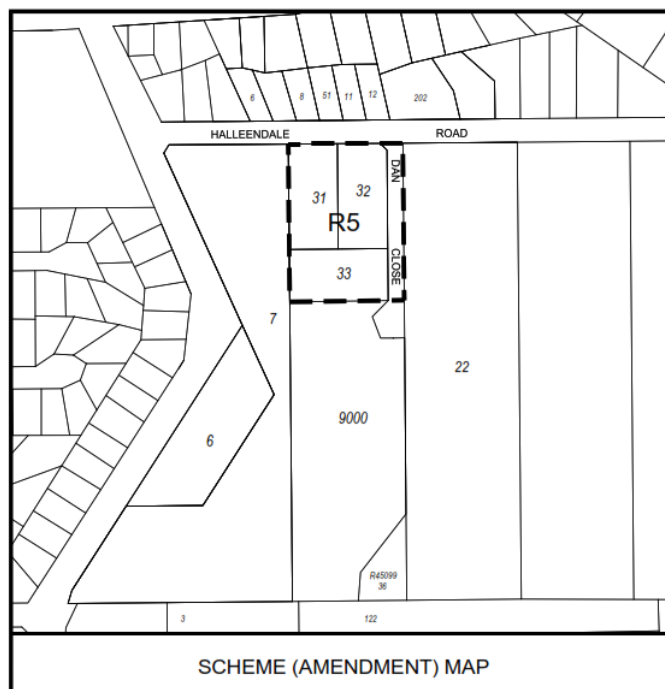
COMMERCIAL

RURAL AGRICULTURE

SPECIAL RURAL

OTHER

R CODES



SCALE: 1:5000
DATE: 11.04.2018

Amendment No. 35



CITY OF KALAMUNDA

LOCAL PLANNING SCHEME NO. 3

AMENDMENT NO. 35

Density increase of Lot 31 (16) and Lot 32 (20) Halleendale Road and Lot 33 (10) Dan Close, Walliston, from Residential Bushland R2.5 to Residential Bushland R5



November 2017

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Document Version Control				
Version	Date	Description	Author	Review
1	16/10/17	Initial	BL	JA
2	29/11/17	Revised resolution pages	BL	JA

PLANNING AND DEVELOPMENT ACT 2005

RESOLUTION DECIDING TO AMEND A LOCAL PLANNING SCHEME

SHIRE OF KALAMUNDA

LOCAL PLANNING SCHEME NO. 3

AMENDMENT NO. 35

That Council in pursuance of Part 5 of the *Planning and Development Act 2005*, amends Local Planning Scheme No. 3 by:

1. Changing the density of Lot 31 (16) and Lot 32 (20) Halleendale Road and Lot 33 (10) Dan Close, Walliston, from Residential Bushland R2.5 to Residential Bushland R5 and amend the Scheme Map accordingly.
2. Rezoning the north-west portion of Lot 9000 (20) Dan Close, Walliston, from Special Rural to Residential Bushland R5.

In accordance with the Scheme Amendment Map.

Subject to amendment documents and the required administration fee being submitted, the documents being adopted by Council and the Amendment being formally advertised for 42 days in accordance with the provisions of the Town Planning Regulations 1967, with reference to the Western Australian Planning Commission.

Dated this _____ day of _____ 20__

(Chief Executive Officer)

SCHEME AMENDMENT REPORT

- | | |
|---|--|
| 1. LOCAL AUTHORITY | City of Kalamunda |
| 2. DESCRIPTION OF TOWN PLANNING SCHEME | Local Planning Scheme No. 3 |
| 3. TYPE OF SCHEME | District Zoning Scheme |
| 4. SERIAL NO. OF AMENDMENT | 35 |
| 5. PROPOSAL | <p>To amend the City of Kalamunda Local Planning Scheme No. 3 by:</p> <ol style="list-style-type: none">1. Changing the density of Lot 31 (16) and Lot 32 (20) Halleendale Road and Lot 33 (10) Dan Close, Walliston, from Residential Bushland R2.5 to Residential Bushland R5 and amend the Scheme Map accordingly.2. Rezoning the north-west portion of Lot 9000 (20) Dan Close, Walliston, from Special Rural to Residential Bushland R5. |

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Appendices

Appendix 1: Bushfire Management Plan

Appendix 2: Conceptual Subdivision Plan

1.0 Introduction

This report has been prepared for the City of Kalamunda's ('the City') consideration to change the density of Lot 31 (No. 16) & 32 (No. 20) Halleendale Road and Lot 33 (No. 10) Dan Close, Walliston ('the subject land' or 'land') from 'Residential Bushland R2.5' to 'Residential Bushland R5' under the City's Local Planning Scheme No. 3 ('LPS3') ('the proposed amendment' or 'proposal').

The proposal will allow the abovementioned properties to be developed and subdivided in accordance with the R5 density as specified in Table 1 of the Residential Design Codes ('the R-Codes').

2.0 Background

2.1 Location

The subject land is located in the locality of Walliston, approximately 21km to the south-east of the Perth Central Business District. More specifically, the subject land exists on the southern side of Halleendale Road in the street block bound by Canning Road to the west and Lawnbrook Road to the east.

Lots 31 and 32 (No. 16 and 20) Halleendale Road both have direct frontage to Halleendale Road, whilst Lot 33 (No. 10) Dan Close exists immediately to the south of these lots and has direct frontage to Dan Close, a cul-de-sac accessed off Halleendale Road.

2.2 Site Area

The combined land area of the subject lands is 12,004m² (1.2ha). Specifically, Lot 32 (No. 20) Halleendale Road and Lot 33 (No. 10) Dan Close both measure 4,002m², whilst Lot 31 (No. 16) Halleendale Road measures 4,000m².

2.3 Ownership

The land subject of the proposed amendment is contained under the following Certificates of Title:

Lot	Diagram/Plan	Title	Street Address	Proprietor(s)
31	40101	2567-212	16 Halleendale Road	Linetta & Fortunato Carameli
32	40101	2567-213	20 Halleendale Road	Tanya Lea & Darren John Wallace
33	40101	2567-214	10 Dan Close	Keith John & Karen Elizabeth Elmy

2.4 Current & Surrounding Land Uses

The subject land is currently utilized for low density, residential purposes and exists with three (3) residential dwellings exist across the lots.

The land is adjoined by the Kalamunda Christian School on its western boundary. The subject land is otherwise surrounded by predominantly existing rural uses to the south and east, with urban (residential) uses to the north and west.

2.5 Physical Characteristics

The subject land falls approximately 3m from the north-west of Lot 31 (No. 16) Halleendale Road to the south-east of Lot 33 (No. 10) Dan Close.

The subject land is largely devoid of vegetation and there are no known watercourses or wetlands which exist over the land.

2.6 Infrastructure

The subject land is currently serviced by a reticulated water supply which runs along the northern side of Halleendale Road and the western side of Dan Close.

A reticulated sewerage service is currently not available in the locality.

3.0 Planning Framework

3.1 State & Regional Planning Context

3.1.1 Metropolitan Region Scheme

By virtue of Metropolitan Region Scheme Amendment 1292/57 – North-East and North-West Districts Omnibus 1 which was gazetted on 14 July 2017, the subject land was excluded from the 'Rural' zone and included in the 'Urban' zone under the Metropolitan Region Scheme ('MRS').

3.1.2 State Planning Policies

State Planning Policy 2.4 – Basic Raw Materials

The subject land is contained within the Policy Area of State Planning Policy 2.4 – Basic Raw Materials ('SPP2.4') however it is not contained within an existing 'Extraction Area', a 'Key Extraction Area' or a 'Priority Resource Location'.

Accordingly, further consideration of SPP2.4 is not deemed necessary in this instance.

State Planning Policy 3.1 – Residential Design Codes

Pursuant to Table 1 of the R-Codes, the minimum lot size of the R2.5 density code (current) is 4,000m² and the minimum lot size of the R5 density code (proposed) is 2,000m².

Accordingly, the proposed amendment would enable the subject lands to be re-subdivided and thereby increase the total lot yield from three (3) to six (6).

State Planning Policy 3.7 – Planning in Bushfire Prone Areas

The subject land is designated as being within a bushfire prone area pursuant to the Department of Fire and Emergency Services' mapping and therefore State Planning Policy 3.7 – Planning in Bushfire Prone Areas ('SPP3.7') is applicable to the proposed amendment.

In accordance with Policy Measure 6.2 of SPP3.7, strategic planning proposals within designated bushfire prone areas and that have a Bushfire Attack Level ('BAL') above BAL-LOW are to comply with Policy Measure 6.3.

Policy Measure 6.3 sets out a series of information that is to accompany the proposal and this has been provided in the Bushfire Management Plan ('BMP') prepared by RUIC Fire and dated October 2017 (refer to **Appendix 1**).

The BMP demonstrates that the proposed amendment and subsequent subdivision can comply with SPP3.7 and the associated Guidelines for Planning in Bushfire Prone Areas Version 1.2, subject to the various mitigation strategies contained within.

3.1.3 State Planning Strategies***Directions 2031 and Beyond***

Directions 2031 and Beyond: Metropolitan Planning Beyond the Horizon ('Directions 2031') is a high order spatial framework and strategic plan for metropolitan Perth and the Peel region. The purpose of Directions 2031 is to provide a vision for the future growth of the region based on the estimation that by the year 2031, the Perth and Peel region will have a population exceeding 2.2 million.

The subject land is contained within the north-east sub-region of Directions 2031 and it is stated that:

"Under the connected city scenario, the north-east sub-region is forecast to grow to an estimated population of 258,000 by 2031, a 37 per cent increase on current population levels. The additional 40,000 dwellings necessary to accommodate this growth will need to be carefully planned to ensure the natural attributes, built heritage and local character of the area are protected."

The proposed amendment is considered consistent with Directions 2031's growth objective and given the surrounding development and the subject land's recent rezoning under the MRS, is considered not to have any adverse impacts on the natural attributes, built heritage or local character of the area.

Draft Perth and Peel@3.5million and North-East Sub-Regional Planning Framework

The draft North-East Sub-Regional Planning Framework forms part of the Western Australian Planning Commission's ('WAPC') draft Perth and Peel@3.5million suite of strategic land use planning documents which aim to accommodate 3.5 million people by 2050. When finalised, the draft North-East Sub-Regional Planning Framework, along with the other three (3) draft sub-regional planning frameworks, will become sub-regional structure plans.

Consistent with MRS Amendment 1292/57, the subject land is shown as 'Urban' pursuant to Plan 1.

3.1.4 Development Control Policies

Development Control Policy 2.5 – Special Residential Zones

The 'Residential Bushland' zoning under LPS3 is effectively a 'Special Residential' zoning which is covered by Development Control Policy 2.5 – Special Residential Zones ('DC2.5').

In relation to lot sizes, clause 3.2.1 states that the minimum lot size for Special Residential zones should be 2,000m² or the equivalent of an R5 density coding, where reticulated water is provided. The proposed amendment would enable the further subdivision of the subject land in accordance with DC2.5.

3.1.5 Other Policies

Draft Government Sewerage Policy 2016

The subject land is not connected to reticulated sewer. Reticulated sewer exists approximately 2km to the north of the subject land.

Clause 6.2 of the Draft Government Sewerage Policy 2016 outlines exemptions to the policy's mandatory requirement to connect to subdivision. Specifically, clause 6.2(1) provides that an exemption may be considered for residential subdivisions for the creation of lots greater than:

- d) 2,000m² where the proposed lot is not in a public drinking water source area or a sewage sensitive area. For heavy soils, secondary treatment systems will be required to achieve this lot size (refer to Table 1 in Schedule 3).*

As mentioned, the minimum lot size under the proposed R5 density coding is 2,000m². Furthermore, the subject land is not contained within a public drinking water source area and

nor is it within a sewerage sensitive area. The proposal therefore meets the requirements for an exemption as per the above.

In addition to the above, the City's officers visited the subject land on 3 August 2017 and advised the proponent that septic tanks and leech drains would be considered acceptable for the further subdivision of all three (3) properties.

3.2 Local Planning Context

3.2.1 Local Planning Scheme No. 3

The subject land is currently zoned 'Residential Bushland' with a density coding of R2.5 pursuant to the City's LPS3.

Clause 4.2.1 provides the following objectives for the zone:

- *To promote the development and use of land primarily for single detached houses, ensuring that development is designed and sited in a manner which is sensitive to the environmental characteristics of the land.*
- *To give due consideration to land uses that are compatible with the amenity of surrounding residential development.*
- *Encourage the retention and rehabilitation of native vegetation and the minimisation of bush fire hazard.*

Furthermore, clause 5.8.1 outlines that subdivision of land within the 'Residential Bushland' zone will only be supported where reticulated scheme water is or can be made available and that the proposed lot sizes comply with the relevant R-Codes. As previously addressed in this report, the land is currently serviced by reticulated water and has sufficient land area to enable re-subdivision consistent with the R5 density coding (minimum lot area of 2,000m²).

3.2.2 Local Planning Strategy

The City's (formerly Shire) Local Planning Strategy ('Strategy') was endorsed by the WAPC in February 2013.

Under clause 2.4.10, the third strategy under the heading 'Rural' is:

- *Promote the use of Residential Bushland zone (minimum 2,000sqm and 4,000sqm lots) as a means of preserving trees and endemic vegetation.*

In accordance with Table 1 of the R-Codes, the minimum lot area for the R5 density code is 2,000m² and therefore the proposed density increase is consistent with the City's Strategy.

It is also noted that Figure 21 of the City's Strategy does not identify the subject land or its immediate surrounds as being within the 'Potential Future Sewerage Area'.

4.0 Proposal

4.1 Amendment Specifications

It is proposed that the zoning of Lot 31 (No. 16) and 32 (No. 20) Halleendale Road and Lot 33 (No. 10) Dan Close pursuant to LPS3 remain as 'Residential Bushland'. It is proposed that the density coding attributed to the land under LPS3 be amended from 'R2.5' to 'R5'.

The proposed amendment will enable the re-subdivision of the subject land, creating a maximum of three (3) additional lots (refer to **Appendix 2 – Conceptual Subdivision Plan**).

4.2 Planning Justification

The proposed amendment is consistent with the objectives of the 'Residential Bushland' zone, as outlined in clause 4.2.1 of LPS3. Furthermore, the minimum lot size permissible lot size under the proposed R5 density coding is consistent with DC2.5 and the City's Strategy. The minimum lot size is also sufficient to warrant an exemption under the draft Government Sewerage Policy.

Given that LPS3 and the R-Codes limit the number of dwellings to lots to a single dwelling, the maximum number of new, additional dwellings potentially created from the proposed amendment is three (3). This is not considered to have any effect on the amenity of the area, or the objectives, purpose and intent of the land as considered under LPS3. Furthermore, it is noted that the proposed density coding remains consistent with other areas of land zoned 'Residential Bushland' within the municipal area.

The current zoning of the subject land acts as a buffer between the residential properties with higher densities (R10, with average lot sizes of 1,000m²) to the north of Halleendale Road, and Special Rural (1ha) zoned properties to the south of the land.

5.0 Conclusion

The proposed amendment seeks to amend the coding of Lot 31 (No. 16) and Lot 32 (No. 20) Halleendale Road and Lot 33 (No. 10) Dan Close, Walliston under LPS3 from 'R2.5' to 'R5'. The zoning of the land is to remain 'Residential Bushland'.

This follows the recent gazettal of Metropolitan Region Scheme Amendment 1292/57 – North-East and North-West Districts Omnibus 1 which included the land in the 'Urban' zone under the MRS.

The proposed amendment is not considered to have any impacts on the objectives of the zone, the local amenity of the area, or be contrary to the relevant statutory framework. Furthermore, the 'R5' coding is considered to be consistent with the provisions of the draft Government Sewerage Policy with respect to land not connected to reticulated sewer and is capable of being suitably managed from a bushfire management perspective.

Altus Planning

PLANNING AND DEVELOPMENT ACT 2005

RESOLUTION TO AMEND LOCAL PLANNING SCHEME

CITY OF KALAMUNDA

LOCAL PLANNING SCHEME NO. 3

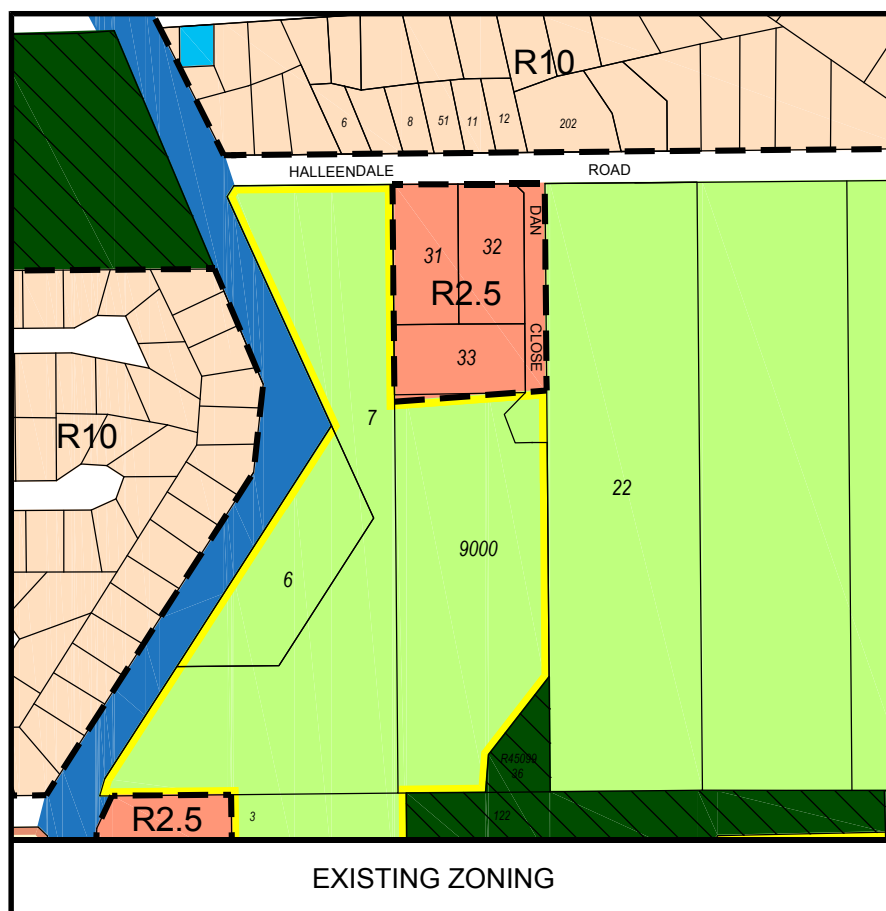
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2. Rezoning the north-west portion of Lot 9000 (20) Dan Close, Walliston, from Special Rural to Residential Bushland R5.

CITY OF KALAMUNDA TOWN PLANNING SCHEME No. 3

Planning and Development Act 2005



LEGEND

METROPOLITAN REGION SCHEME RESERVES

OTHER REGIONAL ROADS

LOCAL SCHEME RESERVES

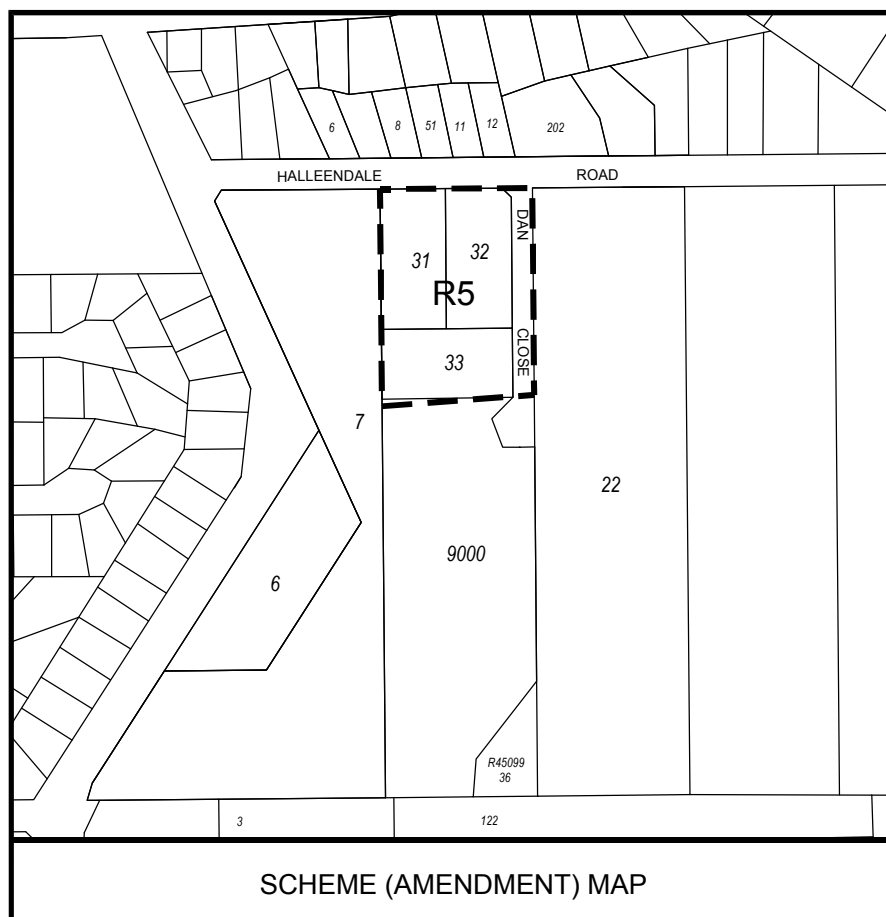
LOCAL OPEN SPACE

ZONES

RESIDENTIAL
RESIDENTIAL BUSHLAND
COMMERCIAL
RURAL AGRICULTURE
SPECIAL RURAL

OTHER

R CODES



SCALE: 1:5000
DATE: 29.08.2017

Amendment No. 35

COUNCIL ADOPTION

This Standard Amendment was adopted by resolution of the Council of the City of Kalamunda at the Ordinary Meeting of the Council held on the ____ day of _____, 20____.

.....
MAYOR

.....
CHIEF EXECUTIVE OFFICER

COUNCIL RESOLUTION TO ADVERTISE

by resolution of the Council of the City of Kalamunda at the Ordinary Meeting of the Council held on the ____ day _____, 20____, proceed to advertise this Amendment.

.....
MAYOR

.....
CHIEF EXECUTIVE OFFICER

COUNCIL RECOMMENDATION

This Amendment is recommended for support by resolution of the City of Kalamunda at the Ordinary Meeting of the Council held on the ____ day of _____, 20____ and the Common Seal of the City of Kalamunda was hereunto affixed by the authority of a resolution of the Council in the presence of:

.....
MAYOR

.....
CHIEF EXECUTIVE OFFICER

WAPC ENDORSEMENT (r.63)

.....
**DELEGATED UNDER S.16 OF
THE P&D ACT 2005**

DATE.....

APPROVAL GRANTED

.....
MINISTER FOR PLANNING

DATE.....

Bushfire management plan/Statement addressing the Bushfire Protection Criteria coversheet

Site address:

Site visit:

Yes

☐

No

☐

Date of site visit (if applicable):

Day

Month

Year

Report author:

WA BPAD accreditation level (please circle):

Not accredited

☐

Level 1 BAL assessor

☐

Level 2 practitioner

☐

Level 3 practitioner

☐

If accredited please provide the following.

BPAD accreditation number:

Accreditation expiry: Month

Year

Bushfire management plan version number:

Bushfire management plan date: Day

Month

Year

Client/business name:

	Yes	No
Has the BAL been calculated by a method other than method 1 as outlined in AS3959 (tick no if AS3959 method 1 has been used to calculate the BAL)?		
Have any of the bushfire protection criteria elements been addressed through the use of a performance principle (tick no if only acceptable solutions have been used to address all of the bushfire protection criteria elements)?		

Is the proposal any of the following (see [SPP 3.7 for definitions](#))?

	Yes	No
Unavoidable development (in BAL-40 or BAL-FZ)		
Strategic planning proposal (including rezoning applications)		
Minor development (in BAL-40 or BAL-FZ)		
High risk land-use		
Vulnerable land-use		

None of the above

☐

Note: Only if one (or more) of the above answers in the tables is yes should the decision maker (e.g. local government or the WAPC) refer the proposal to DFES for comment.

Why has it been given one of the above listed classifications (E.g. Considered vulnerable land-use as the development is for accommodation of the elderly, etc.)?

The information provided within this bushfire management plan to the best of my knowledge is true and correct:

Signature of report author
City of Kalamunda



Date



BUSHFIRE MANAGEMENT PLAN

Strategic Planning Proposal

Lots 31 & 32 Halleendale Road
and Lot 33 Dan Close, Walliston

Version: 1.2 Reference: 7226 Date: February 2018





BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Project Number: 7226

Project Name: Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Author: Darrel Krammer, Grad Dip Bushfire Protection, BPAD33412 Level 3

Reviewed by: Erika Dawson, Grad Dip Bushfire Protection, BPAD36371 Level 3

Version: 1.2

Date of issue: 23rd February 2018

Author: Darrel Krammer
Date: 23/02/2018

Reviewed by: Erika Dawson
Date: 15th October 2017

In the signing the above, the author declares that this Bushfire Management Plan meets the requirements of State Planning Policy 3.7. This report supersedes all previous Bushfire Management Plans for the site.

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

DISCLAIMER AND LIMITATION

This report is prepared solely for **Linetta & Fortunato Carameli, Tanya Lea & Darren John Wallace and Keith John & Karen Elizabeth Elmy** (the 'proponent') and any future landowners of the subject lot(s) and is not for the benefit of any other person and may not be relied upon by any other person.

The mitigation strategies contained in this Bushfire Management Plan are considered to be prudent minimum standards only, based on the writer's experience as well as standards prescribed by relevant authorities. It is expressly stated that RUIC Fire and the writer do not guarantee that if such standards are complied with or if a property owner exercises prudence, that a building or property will not be damaged or that lives will not be lost in a bush fire.

Fire is an extremely unpredictable force of nature. Changing climatic factors (whether predictable or otherwise) either before or at the time of a fire can also significantly affect the nature of a fire and in a bushfire prone area it is not possible to completely guard against bushfire.

Further, the growth, planting or removal of vegetation; poor maintenance of any fire prevention measures; addition of structures not included in this report; or other activity can and will change the bushfire threat to all properties detailed in the report. Further, the achievement of the level of implementation of fire precautions will depend on the actions of the landowner or occupiers of the land, over which RUIC Fire has no control. If the proponent becomes concerned about changing factors then a new Fire Risk Management Plan should be requested.

To the maximum extent permitted by the law, RUIC Fire, its employees, officers, agents and the writer ("RUIC Fire") excludes all liability whatsoever for:

1. claim, damage, loss or injury to any property and any person caused by fire or as a result of fire or indeed howsoever caused;
2. errors or omissions in this report except where grossly negligent; and

the proponent expressly acknowledges that they have been made aware of this exclusion and that such exclusion of liability is reasonable in all the circumstances.

If despite the provisions of the above disclaimer RUIC Fire is found liable then RUIC Fire limits its liability to the lesser of the maximum extent permitted by the law and the proceeds paid out by RUIC Fire's professional or public liability insurance following the making of a successful claim against such insurer.

RUIC Fire accepts no liability or responsibility whatsoever for or in respect of any use or reliance upon this report and its supporting material by any third party.

This report is valid for a period of three years only from the date of its issue. All BAL ratings identified in this report are indicative and are required to be verified at the time of construction of individual buildings to ensure appropriate setbacks identified in the proposed development have been achieved.

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Rural Fire Risk Consultancy Pty Ltd

ABN: 48 151 451 713

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

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BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

1.0 Introduction

1.1 Subject Site

The site the subject of this Bushfire Management Plan (BMP) is Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston. The site is located within the municipality of the City of Kalamunda. Figure 1A illustrates the subject site and its immediate surrounds.

The site is identified as being Bushfire Prone on the Map of Bush Fire Prone Areas 2017 (OBRM, 2017).

The site currently comprises three separate lots zoned Residential Bushland with density coding of R2.5. The lots are from 4000m² to 4002m² in area and each has been developed with a single house and associated outbuildings.

The proponent has not identified any relevant environmental considerations, including wetlands, foreshore reserves, Bush Forever sites, Environmentally Sensitive Areas, threatened species or communities, remnant native vegetation or other reserves located within the site or being affected by the development.

1.2 Development Description

The development involves a Scheme Amendment to amend the density coding of the site to R5 (already initiated and referenced as Amendment No. 35) and subdivision of the three subject lots into 6 lots from 2000m² to 2004m² in area (the development).

The proposed development is illustrated in Figure 1B.

1.3 Previous Bushfire Assessments

There are no known previous bushfire assessments that have been undertaken for the site.

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston



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BUSHFIRE MANAGEMENT PLAN MAP Lots 31 & 32 Halleendale Road & Lot 33 Dan Close, Walliston

Site Overview



Size: A4
Scale: 1:2,000

0 20 40 60 80 100 m

- Site Boundary
- Cadastre
- Lot Boundaries
- Main Roads

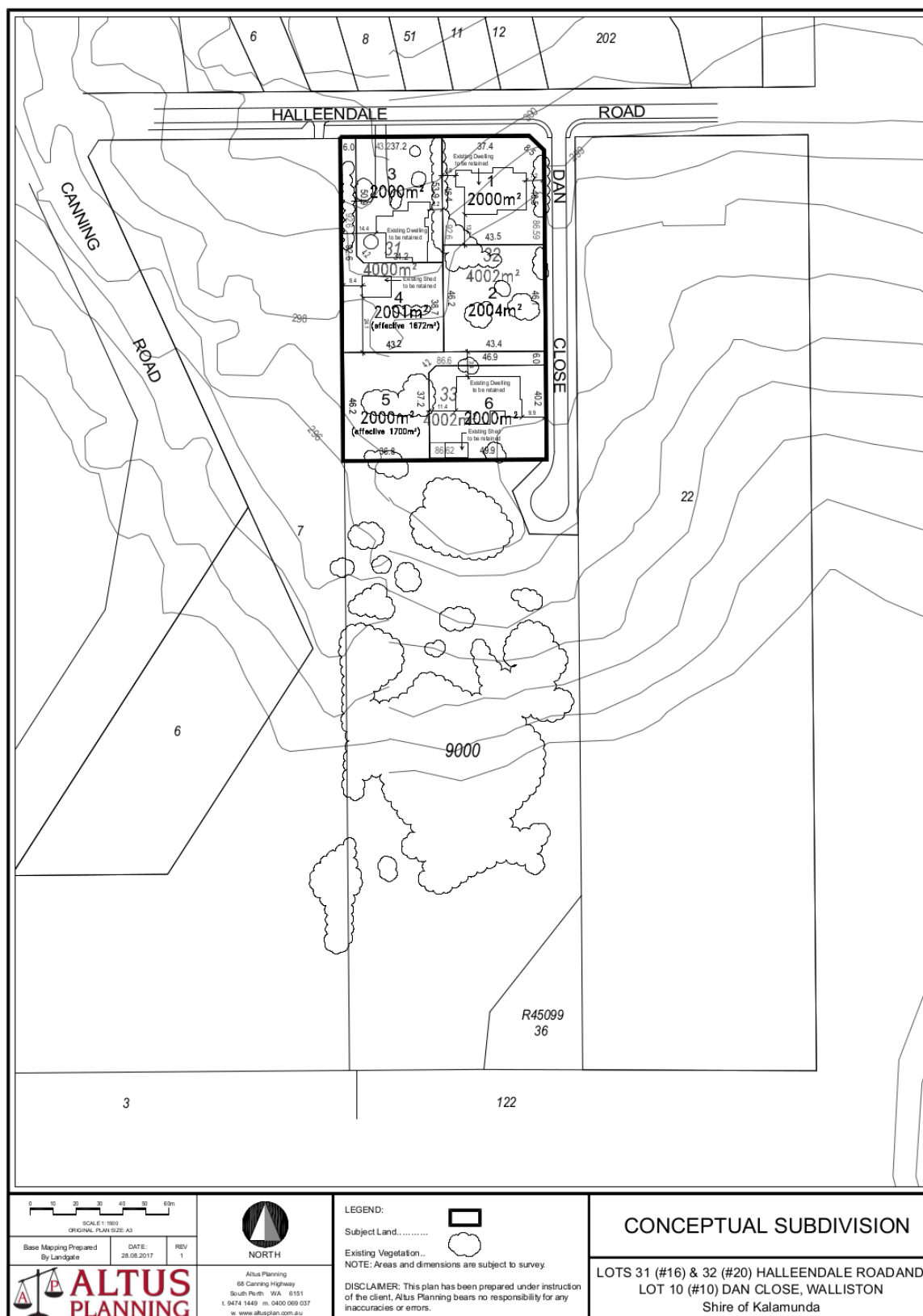
Ref: 7226_001_01_SiteOverview_20170828
Projection: GDA94 MGA50
Author: MWI - RUIC | Date: 2017-09-07
Data Source: Cadastre - Landgate; Imagery -
Nearmap; Roads, Site Boundary - RUIC.

Disclaimer: Although the data within this map is considered accurate at the time of creation, RUIC Fire does not guarantee, and accepts no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any data used within this map.

Figure 1A: Site Overview

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

**Figure 1B: Conceptual Subdivision Plan**

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

2.0 Spatial Consideration of Bushfire Threat

2.1 Effective Slope

Effective slope under each vegetation plot was assessed in accordance with the methodology detailed in AS 3959-2009 *Construction of buildings in bushfire prone areas* (AS 3959) (Standards Australia, 2009). Slope data was measured on site and cross referenced with Landgate elevation data.

Slope throughout the assessment area was found to be relatively flat with minimal variation in relief. The effective slope of each vegetation plot is listed in the tables provided in Section 2.2 below.

2.2 Bushfire Fuels

The location and extent of AS 3959 vegetation structures, including Clause 2.2.3.2 exclusions, within 150 metres of the site are mapped in Figure 2A and illustrated in the photos below.

Bushfire fuel loads are identified as consistent with AS 3959 Table B2 for radiant heat flux modelling purposes. All bushfire structures and fuel loads are assessed in their mature states (including revegetation and rehabilitation areas) unless otherwise identified.

Plot 1	
Existing	Exclusion 2.2.3.2 (f) low threat vegetation
Post Development	Exclusion 2.2.3.2 (f) low threat vegetation
Effective Slope	N/A
Plot 1 comprises the orchard located to the east of the subject site. The vegetation consists of fruit trees with maintained grass, and the area is managed for low threat. This area is managed in accordance with the City of Kalamunda Firebreak and Fuel Load Notice, which specifies: "all flammable matter slashed, mowed or trimmed down by other means to a height no greater than 50mm across the entire property (living trees, shrubs, plants and lawn under cultivation are excepted)"	
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>DIRECTION 125 deg(T) 32.00301°S 116.07064°E ACCURACY 5 m DATUM WGS84</p>  <p>BMP Halleendale Rd a Walliston 29/8/17, 12:12:39 pm</p> <p>Photo ID: 1a</p> </div> <div style="text-align: center;"> <p>DIRECTION 121 deg(T) 32.00201°S 116.07060°E ACCURACY 5 m DATUM WGS84</p>  <p>BMP Halleendale Rd a Walliston 29/8/17, 12:14:15 pm</p> <p>Photo ID: 1b</p> </div> </div>	

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Plot 2

Existing	Exclusion 2.2.3.2 (f) low threat vegetation and (e) non-vegetated areas.
Post Development	Exclusion 2.2.3.2 (f) low threat vegetation and (e) non-vegetated areas.
Effective Slope	N/A

Plot 2 comprises the School grounds located to the west of the subject site. It comprises buildings, non-vegetated areas and areas of garden and lawn managed for low threat. This area is managed in accordance with the City of Kalamunda Firebreak and Fuel Load Notice, which specifies: "all flammable matter slashed, mowed or trimmed down by other means to a height no greater than 50mm across the entire property (living trees, shrubs, plants and lawn under cultivation are excepted)"



Photo ID: 2a



Photo ID: 2b



Photo ID: 2c



Photo ID: 2d

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Plot 3	
Existing	Exclusion 2.2.3.2 (f) low threat vegetation and (e) non-vegetated areas.
Post Development	Exclusion 2.2.3.2 (f) low threat vegetation and (e) non-vegetated areas.
Effective Slope	N/A
<p>Plot 3 comprises the developed residential areas to the north of the subject site. This area includes houses with gardens and lawns managed for low threat. This area is managed in accordance with the City of Kalamunda Firebreak and Fuel Load Notice, which specifies:</p> <p>“all flammable matter slashed, mowed or trimmed down by other means to a height no greater than 50mm across the entire property (living trees, shrubs, plants and lawn under cultivation are excepted)”</p>	
<div> <div> DIRECTION 54 deg(T) 32.00154°S 116.07122°E ACCURACY 5 m DATUM WGS84 </div>  <div> BMP Halleendale Rd h Walliston 29/8/17, 12:15:24 pm </div> </div> <p>Photo ID: 3a</p>	
<div> <div> DIRECTION 57 deg(T) 32.00157°S 116.07047°E ACCURACY 5 m DATUM WGS84 </div>  <div> BMP Halleendale Rd h Walliston 29/8/17, 12:16:10 pm </div> </div> <p>Photo ID: 3b</p>	
<div> <div> DIRECTION 305 deg(T) 32.00157°S 116.07047°E ACCURACY 5 m DATUM WGS84 </div>  <div> BMP Halleendale Rd h Walliston 29/8/17, 12:16:12 pm </div> </div> <p>Photo ID: 3c</p>	
<div> <div> DIRECTION 34 deg(T) 32.00144°S 116.06893°E ACCURACY 5 m DATUM WGS84 </div>  <div> BMP Halleendale Rd h Walliston 29/8/17, 12:26:24 pm </div> </div> <p>Photo ID: 3d</p>	

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Plot 3**Photo ID: 3e****Plot 4**

Existing	Exclusion 2.2.3.2 (f) low threat vegetation and (e) non-vegetated areas.
Post Development	Exclusion 2.2.3.2 (f) low threat vegetation and (e) non-vegetated areas.
Effective Slope	N/A

Plot 4 comprises the developed residential areas to the west of the subject site. This area includes houses with gardens and lawns managed for low threat. This area is managed in accordance with the City of Kalamunda Firebreak and Fuel Load Notice, which specifies:

“all flammable matter slashed, mowed or trimmed down by other means to a height no greater than 50mm across the entire property (living trees, shrubs, plants and lawn under cultivation are excepted)”

**Photo ID: 4a****Photo ID: 4b**

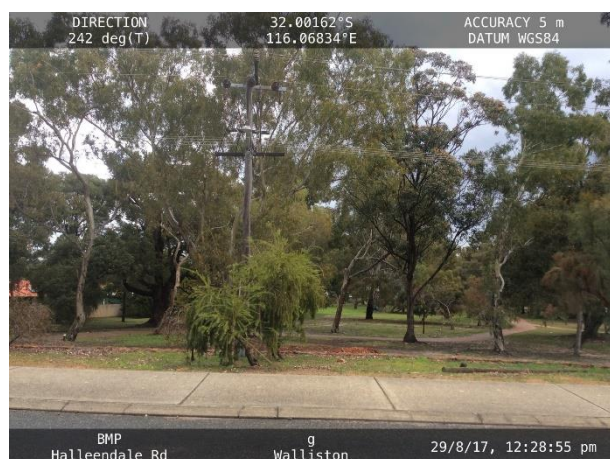
BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Plot 5

Existing	Exclusion 2.2.3.2 (f) low threat vegetation
Post Development	Exclusion 2.2.3.2 (f) low threat vegetation
Effective Slope	N/A

Plot 5 comprises the area of 'Bill Shaw Reserve' and includes park vegetation managed for low threat by the City of Kalamunda.

**Photo ID:** 5a

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Plot 6


Existing	Class B Woodland
Post Development	Class B Woodland
Effective Slope	Downslope 3 degrees

Plot 6 comprises Woodland vegetation located to the south of the site. The vegetation consists of trees 2-30m high at maturity with a grass understorey and canopy cover between 10-30%.

**Photo ID: 6a****Photo ID: 6b****Photo ID: 6c**

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Plot 7	
Existing	Class A Forest
Post Development	Class A Forest
Effective Slope	Flat/upslope
Plot 7 comprises the upslope vegetation located in the adjacent school grounds and continuing into the Canning Road reserve. The vegetation consists of trees 2-30m high at maturity with grass trees and shrubs, and with canopy cover greater than 30%.	
 <p>Photo ID: 7a</p>	

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Plot 8	
Existing	Class A Forest
Post Development	Class A Forest
Effective Slope	Downslope 3 degrees

Plot 8 comprises downslope vegetation located in the Canning Road reserve and continuing into the area adjacent to the School grounds. The vegetation consists of trees 2-30m high at maturity with canopy cover greater than 30%.



Photo ID: 8a



Photo ID: 8b



Photo ID: 8c (Vegetation in background)

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Plot 9

Existing	Class G Grassland
Post Development	Class G Grassland
Effective Slope	Flat

Plot 9 comprises the area immediately adjacent to the south of the site. The vegetation includes grass that may potentially not comply with low threat standard.

**Photo ID: 9a****Photo ID: 9b****Plot 10**

Existing	Exclusion 2.2.3.2 (e) non-vegetated areas.
Post Development	Exclusion 2.2.3.2 (e) non-vegetated areas.
Effective Slope	N/A



Plot 10 comprises a non-vegetated car park and turnaround area.

**Photo ID: 10a (Foreground)**

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Plot 11	
Existing	Exclusion 2.2.3.2 (e) non-vegetated areas
Post Development	Exclusion 2.2.3.2 (e) non-vegetated areas
Effective Slope	N/A
Plot 11 consists of non-vegetated road paving and foot paths.	

Plot 12	
Existing	Exclusion 2.2.3.2 (e) non-vegetated areas and (f) low threat vegetation
Post Development	Exclusion 2.2.3.2 (e) non-vegetated areas and (f) low threat vegetation
Effective Slope	N/A
<p>Plot 12 consists of the subject site, including the existing maintained residential lots with cultivated gardens and lawns managed for low threat. This area is managed in accordance with the City of Kalamunda Firebreak and Fuel Load Notice, which specifies:</p> <p>“all flammable matter slashed, mowed or trimmed down by other means to a height no greater than 50mm across the entire property (living trees, shrubs, plants and lawn under cultivation are excepted)”</p>	
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Photo ID: 12a</p> </div> <div style="text-align: center;">  <p>Photo ID: 12b</p> </div> </div>	

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Plot 12



Photo ID: 12c



Photo ID: 12d




Photo ID: 12e



Photo ID: 12f

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Plot 13	
Existing	Exclusion 2.2.3.2 (e) non-vegetated areas and (f) low threat vegetation
Post Development	Exclusion 2.2.3.2 (e) non-vegetated areas and (f) low threat vegetation
Effective Slope	N/A
<p>Plot 13 consists of the residence and surrounding area to the east of the subject site, including the existing cultivated gardens and lawns managed for low threat. This area is managed in accordance with the City of Kalamunda Firebreak and Fuel Load Notice, which specifies: "all flammable matter slashed, mowed or trimmed down by other means to a height no greater than 50mm across the entire property (living trees, shrubs, plants and lawn under cultivation are excepted)"</p>	
 <p>Photo ID: 13a</p>	

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston



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Size: A4
Scale: 1:2,000

BUSHFIRE MANAGEMENT PLAN MAP

Lots 31 & 32 Halleendale Road
& Lot 33 Dan Close, Walliston

Vegetation Classification

0 20 40 60 80 100 m

Ref: 7226_002_01_Veg_20170828
Projection: GDA94 MGA50
Author: MM - RUIC | Date: 2017-10-04
Data Source: Cadastre - Landgate; Imagery -
Nearmap; Roads, Site Boundary - RUIC.

Disclaimer: Although the data within this map is considered accurate at the time of creation, RUIC Fire does not guarantee, and accepts no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any data used within this map.

Figure 2A: Post Development Vegetation Classifications

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

2.3 Potential Bushfire Impact

Potential bushfire impact analysis was undertaken in accordance with AS 3959 Methodology 1 to determine the potential worst case scenario radiant heat impact on each of the lots in the proposed development.

In accordance with SPP 3.7, a BAL Contour Map has been prepared to illustrate the potential radiant heat impacts and associated BAL ratings for the assessment area after the development is completed (see Figure 2B).

The following table (Table 2A) outlines the worst case BAL for each of the Vegetation Plots based on separation distance to the external property boundary.

Table 2A: Worst case BAL that applies to the site lot boundary

Vegetation Plot	Vegetation Classification	Effective Slope	Separation	BAL
Plot 1	Exclusion 2.2.3.2(f)	-	-	BAL-LOW
Plot 2	Exclusion 2.2.3.2(e/f)	-	-	BAL-LOW
Plot 3	Exclusion 2.2.3.2(e/f)	-	-	BAL-LOW
Plot 4	Exclusion 2.2.3.2(e/f)	-	-	BAL-LOW
Plot 5	Exclusion 2.2.3.2(f)	-	-	BAL-LOW
Plot 6	Class B Woodland	Downslope 3°	32m	BAL-19
Plot 7	Class A Forest	Flat/upslope	71m	BAL-12.5
Plot 8	Class A Forest	Downslope 3°	46m	BAL-19
Plot 9	Class G Grassland	Flat	0m	BAL-FZ [^]
Plot 10	Exclusion 2.2.3.2(e)	-	-	BAL-LOW
Plot 11	Exclusion 2.2.3.2(e)	-	--	BAL-LOW
Plot 12	Exclusion 2.2.3.2(e/f)	-	-	BAL-LOW
Plot 13	Exclusion 2.2.3.2(e/f)	-	-	BAL-LOW
Worst case BAL				BAL-FZ
Notes: [^] BAL-FZ applies to the south lot boundary fronting Plot 9. Existing dwelling is located in BAL-19, existing shed is located within BAL-FZ, however has >6m separation to the dwelling. These buildings are subject to previous approval and are not subject to bushfire planning provisions. All other future habitable development is able to achieve BAL-29 or less through an 8m setback as a condition of subdivision approval.				

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

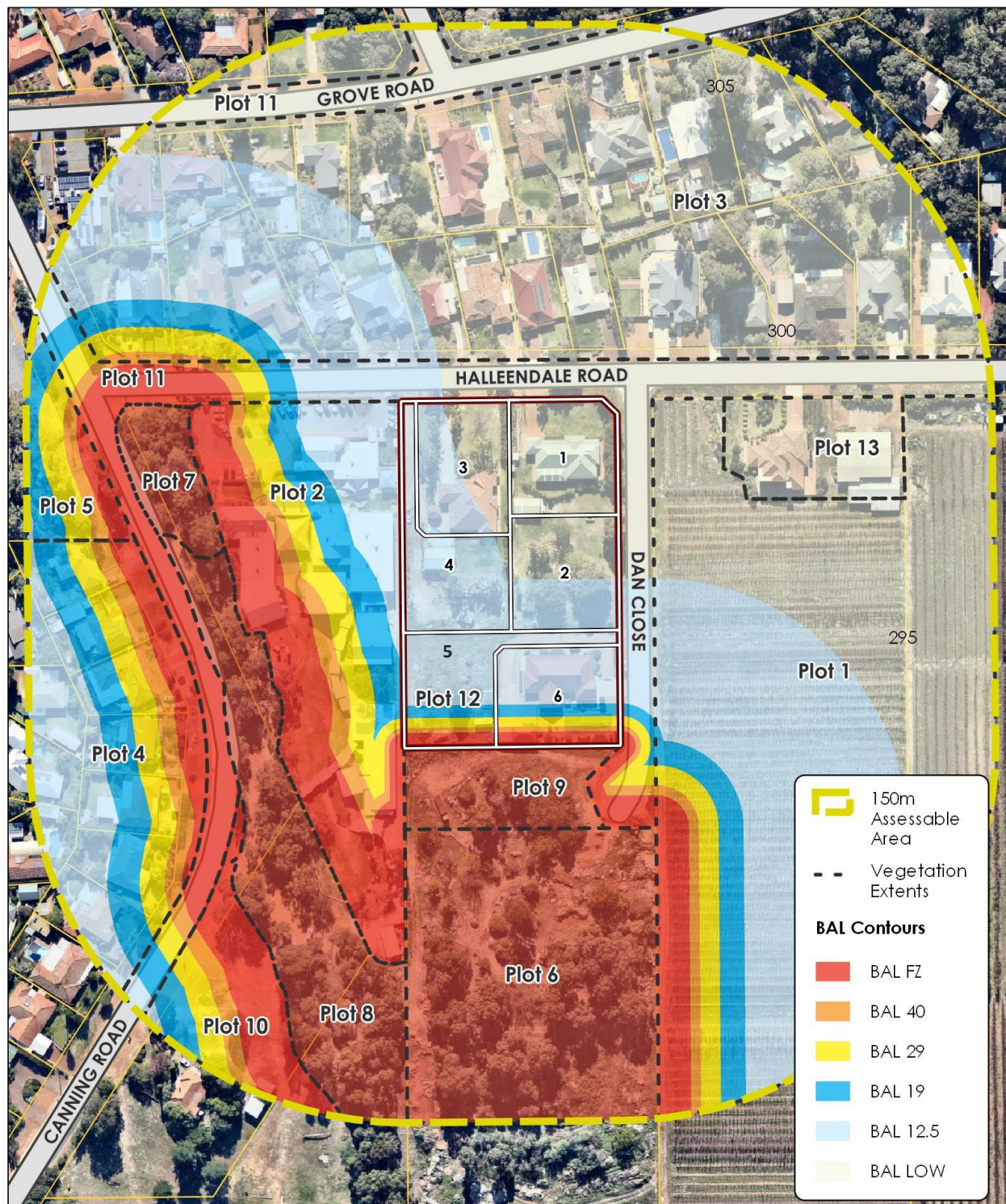
With the implementation of 8m building setbacks from the southern boundary of the site, the BAL from Plot 9 for Lots 5 and 6 would be reduced to BAL-29. Therefore, the future lots can achieve the maximum permitted BAL-29, for habitable buildings, as outlined in the following table (Table 2B).

Table 2B: Worst case BAL Post Development that applies to each proposed lot

Proposed Lot	Initial BAL	Mandatory Setback	Revised BAL
1	BAL-LOW	-	-
2	BAL-12.5	-	-
3	BAL-12.5	-	-
4	BAL-12.5	-	-
5	BAL-FZ	8m southern boundary setback	BAL-29
6	BAL-FZ	8m southern boundary setback	BAL-29

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston



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BUSHFIRE MANAGEMENT PLAN MAP Lots 31 & 32 Halleendale Road & Lot 33 Dan Close, Walliston

BAL Contours

0 20 40 60 80 100 m



Size: A4
Scale: 1:2,000

Site Boundary
Lot Boundaries

Cadastre
Main Roads

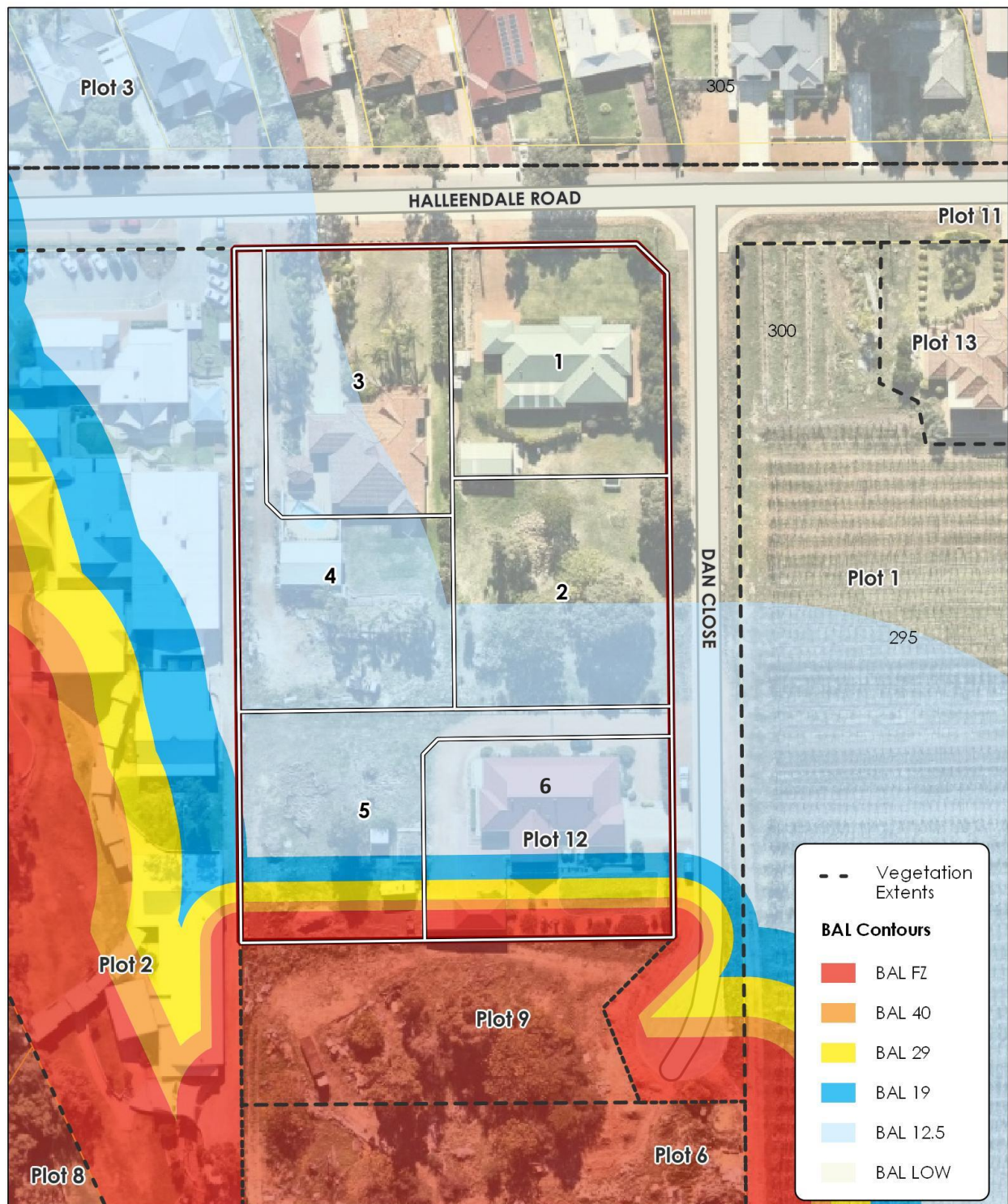
Ref: 7226_003_01_BAL_20170828
Projection: GDA94 MGA50
Author: MM - RUIC | Date: 2017-10-04
Data Source: Cadastre - Landgate; Imagery -
Nearmap; Roads, Site Boundary - RUIC.

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Figure 2B: BAL Contour Map

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston



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Size: A4
Scale: 1:1,000

BUSHFIRE MANAGEMENT PLAN MAP Lots 31 & 32 Halleendale Road & Lot 33 Dan Close, Walliston

BAL Contours - Detailed

0 10 20 30 40 50 m



Site Boundary



Lot Boundaries



Cadastre



Main Roads

Ref: 7226_003_01_BAL_20170828
Projection: GDA94 MGA50
Author: MM - RUIC | Date: 2017-10-04
Data Source: Cadastre - Landgate; Imagery -
Nearmap; Roads, Site Boundary - RUIC.

Disclaimer: Although the data within this map is considered accurate at the time of creation, RUIC Fire does not guarantee, and accepts no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any data used within this map.

Figure 2C: BAL Contour Map (detailed)

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

2.4 Bushfire Context

Large areas of continuous native vegetation exist at a distance of approximately 350m to the south east and 450m to the east of the site. The immediate bushfire threat is from remnant stands of vegetation and unmanaged grass located in the Special Rural areas to the west and south of the site. The vegetation is offsite and not within the control of the landowner of the subject site.

2.5 Bushfire Hazard Issues

From the BAL Contour Map (Figure 2B), the following bushfire hazard issues have been identified:

- Lots 5 and 6 are subject to a rating of BAL-FZ. Boundary setbacks of a minimum 8m are required to reduce the BAL rating to BAL-29. A s70A Notification on Title is required to enforce a minimum 8m setback from the south boundary for proposed lots 5 & 6.
- Lots 4 & 5 require a 6m right of way for an emergency access way as depicted in figure 4A.
- Lots 1 to 4 are subject to a BAL rating of no greater than BAL-12.5.
- The proposed battle-axe access legs to lots 4 and 5 are subject to a BAL rating of BAL-12.5.
- The BAL ratings provided in the BAL Contour map and Table 2A are indicative only and are for the purposes of demonstrating compliance with the bushfire protection criteria of SPP 3.7. The BAL Contour map is to be updated following the implementation of the bushfire strategies contained within this report. Alternatively, an individual BAL assessment is to be completed prior to the issue of the building permit.
- Future residential BCA Class 1, 2, 3 and associated Class 10a buildings are to be constructed to the applicable construction standard of AS 3959.
- Lots 2 to 6 are subject to a BAL rating above BAL-LOW. The bushfire selection criteria relevant to the development are addressed in Section 4 of this report.

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

3.0 Proposal Compliance and Justification

3.1 State Planning Policy 3.7 – Planning in Bushfire Prone Areas (SPP 3.7)

SPP3.7 applies to all development applications in designated bushfire prone areas.

3.1.1 Objectives

Policy Measure 5 contains the objectives of SPP 3.7. The following demonstrates how the proposed development meets each of the objectives.

Objective 1: *Avoid any increase in the threat of bushfire to people, property, and infrastructure. The preservation of life and management of bushfire impact is paramount.*

Development Response

Objective 1 is satisfied through the compliance of the proposed development with all required Policy Principles as detailed below and all Performance Principles of the Guidelines as detailed in Section 4 of this report.

Objective 2: *Reduce vulnerability to bushfire through the identification and consideration of bushfire risks in decision-making at all stages of the planning and development process.*

Development Response

Objective 2 is satisfied through the appropriate identification and assessment of all relevant bushfire hazards as detailed in Section 2 of this report, specifically the BAL Contour Mapping.

Objective 3: *Ensure that higher order strategic planning documents, strategic planning proposals, subdivision and development applications take into account bushfire protection requirements and include specified bushfire protection measures.*

Development Response

Objective 3 is satisfied through the compliance of the proposed development with all required Policy Principles as detailed below and all Performance Principles of the Guidelines as detailed in Section 4 of this report.

Objective 4: *Achieve an appropriate balance between bushfire risk management measures and, biodiversity conservation values, environmental protection and biodiversity management and landscape amenity, with consideration of the potential impacts of climate change.*

Development Response

Objective 4 is satisfied through the appropriate consideration of all biodiversity and environmental assets as detailed in Section 1 of this report in the development of bushfire related risk mitigation strategies detailed in Section 4 of this report.

3.1.2 Policy Measures

3.1.2.1 Strategic Planning Proposals

Policy Measure 6.2 requires that strategic planning proposals within designated bushfire prone areas and that have a BAL above BAL-LOW are to comply with Policy Measure 6.3.

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3.1.2.2 Information to Accompany Strategic Planning and Subdivision Proposals

Policy Measure 6.3 applies to strategic planning proposals and Policy Measure 6.4 to subdivisions. They require certain information to be provided with such applications. The following Table (Table 3A) outlines where the required information has been provided.

Table 3A: Compliance of the proposed development with the Policy Measures of SPP 3.7.

Policy Measure	Description	Development Response
a	(i) the results of a BHL assessment determining the applicable hazard level(s) across the subject land, in accordance with the methodology set out in the Guidelines. BHL assessments should be prepared by an accredited Bushfire Planning Practitioner; or (ii) where the lot layout of the proposal is known, a BAL Contour Map to determine the indicative acceptable BAL ratings across the subject site, in accordance with the Guidelines. The BAL Contour Map should be prepared by an accredited Bushfire Planning Practitioner; and	Figures 2B and 2C provide the BAL Contour Maps.
b	The identification of any bushfire hazard issues arising from the relevant assessment; and	Section 2.5 addresses the bushfire hazard issues.
c	Clear demonstration that compliance with the bushfire protection criteria in the Guidelines can be achieved in subsequent planning stages.	Section 4 provides an assessment of the development against the bushfire protection criteria.

3.1.2.3 Vulnerable or High Risk Land Uses

The proposed development, at this stage, is not known to contain any vulnerable or high risk land uses.

3.1.2.4 Applications in BAL-40/BAL-FZ Areas

On completion of development, the developable land would not be subject to BAL-40 or BAL-FZ as outlined in Section 2.3 and Table 2b. Whilst the first 8m, measured from the southern lot boundary, of Lots 5 & 6 have a radiant heat impact >BAL-29, a s70A Notice on Title provides enforcement to prevent habitable development within these areas. Access to/from the lots is not through this area.

3.1.2.5 Advice of State/Relevant Authority/s for Emergency Services to be Sought

The proposed development:

- Complies with the SPP3.7 Policy measures;
- Does **propose additional/alternative measures**; and
- Does not contain unavoidable development, vulnerable or high risk land uses.
- Is a Strategic Planning Proposal.

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Therefore, the **advice of State/Relevant Authorities for Emergency Services is required** to be sought for this application.

3.1.2.6 Advice of State/Relevant Agencies/Authorities for Environmental Protection to be Sought

The proposed subdivision:

- Is not known to propose clearing of vegetation within environmentally sensitive areas protected under State or Federal legislation;
- Is not known to propose clearing of locally significant native vegetation; and
- Does not abut vegetated land managed by that authority.

Therefore, the advice of State/Relevant Agencies/Authorities for Environmental Protection **is not required** to be sought for this application.

3.2 Guidelines for Planning in Bushfire Prone Areas Version 1.2 (the Guidelines)

The Guidelines apply to strategic planning proposals located within designated bushfire prone areas. The Guidelines provide supporting information for implementation of SPP 3.7. Specifically, they provide the Bushfire Protection Criteria to be addressed for all applications.

This report has also been developed in order to comply with the requirements of all referenced and applicable documents.

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4.0 Bushfire Risk Management Measures

The bush fire risk mitigation strategies detailed in this report are designed to comply with the Bushfire Protection Criteria detailed in *Guidelines for Planning in Bushfire Prone Areas Version 1.1* (the Guidelines) Appendix 4 (WAPC, 2017b).

- i. The notation (P3) refers to Performance Principle 3 of the Guidelines Appendix 4.
- ii. The notation (A3.1) refers to Acceptable Solution 3.1 of the Guidelines Appendix 4.
- iii. The notation (E3.1) refers to Explanatory Note 3.1 of the Guidelines Appendix 4.
- iv. Where discrepancy occurs between State and Local bushfire planning provisions the higher standard of mitigation has been selected.

4.1 Element 1 - Location

Intent: To ensure that strategic planning proposals, subdivision and development applications are located in areas with the least possible risk of bushfire to facilitate the protection of people, property and infrastructure.

Performance Principle (P1): The strategic planning proposal, subdivision and development application is located in an area where the bushfire hazard assessment is or will, on completion, be moderate or low, or a BAL-29 or below, and the risk can be managed. For unavoidable development in areas where BAL-40 or BAL-FZ applies, demonstrating that the risk can be managed to the satisfaction of the Department of Fire and Emergency Services and the decision-maker.

The following table outlines the Acceptable Solutions (AS) that are relevant to the proposal; identifies where a Performance Solution (PS) has been used instead of an AS; and states, where applicable, the reason why the AS is not relevant to the proposal.

Solution	AS	PS	N/A	Comment
A1.1 Development location	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Acceptable Solution A1.1 Development location

The strategic planning proposal, subdivision and development application is located in an area that is or will, on completion, be subject to either a low moderate or low bushfire hazard level, or BAL-29 or below.

Development Response/Recommendations

As outlined in Figure 2A and Table 2A, the development would ensure all future habitable buildings are, upon completion of development, located in an area subject to BAL-29 or lower.

Due to vegetation located immediately external to Lots 5 and 6, these lots require building setbacks of at least 8m from their southern boundary to achieve ratings of BAL-29 or less for these lots. This is to be enforced through a s70A Notification on Title preventing habitable development within 8m of the southern lot boundary. Access to/from the lots is not through this area.

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4.2 Element 2 - Siting and design of Development

Intent: To ensure that the siting of development minimises the level of bushfire impact.

Performance Principle (P2): The siting and design of the strategic planning proposal, subdivision or development application, including roads, paths and landscaping, is appropriate to the level of bushfire threat that applies to the site. That it minimises the bushfire risk to people, property and infrastructure, including compliance with AS 3959 if appropriate.

The following table outlines the Acceptable Solutions (AS) that are relevant to the proposal; identifies where a Performance Solution (PS) has been used instead of an AS; and states, where applicable, the reason why the AS is not relevant to the proposal.

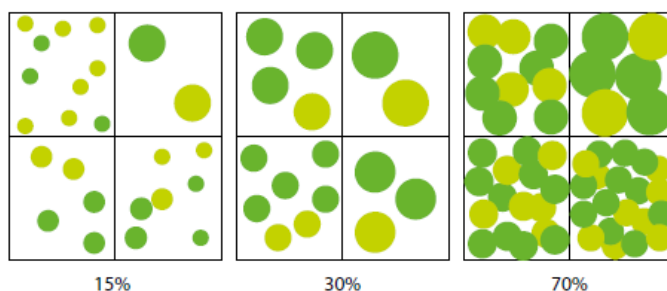
Solution	AS	PS	N/A	Comment
A2.1 Asset Protection Zone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Acceptable Solution A2.1 Asset Protection Zone (APZ)

Every building is surrounded by, and every proposed lot can achieve, an APZ depicted on submitted plans, which meets the following requirements:

- Width:** Measured from any external wall or supporting post or column of the proposed building, and of sufficient size to ensure the potential radiant heat impact of a fire does not exceed 29kW/m² (BAL-29) in all circumstances.
- Location:** the APZ should be contained solely within the boundaries of the lot on which a building is situated, except in instances where the neighbouring lot or lots will be managed in a low-fuel state on an ongoing basis, in perpetuity (see explanatory notes).
- Management:** the APZ is managed in accordance with the requirements of 'Standards for Asset Protection Zones' (below):
 - Fences:** within the APZ are constructed from non-combustible materials (e.g. iron, brick, limestone, metal post and wire). It is recommended that solid or slatted non-combustible perimeter fences are used.
 - Objects:** within 10 metres of a building, combustible objects must not be located close to the vulnerable parts of the building i.e. windows and doors.
 - Fine Fuel load:** combustible dead vegetation matter less than 6 millimetres in thickness reduced to and maintained at an average of two tonnes per hectare.
 - Trees (> 5 metres in height):** trunks at maturity should be a minimum distance of 6 metres from all elevations of the building, branches at maturity should not touch or overhang the building, lower branches should be removed to a height of 2 metres above the ground and or surface vegetation, canopy cover should be less than 15% with tree canopies at maturity well spread to at least 5 metres apart as to not form a continuous canopy.

Figure 16: Tree canopy cover – ranging from 15 to 70 per cent at maturity



Source: The Guidelines (WAPC, 2017)

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- **Shrubs (0.5 metres to 5 metres in height):** should not be located under trees or within 3 metres of buildings, should not be planted in clumps greater than 5m² in area, clumps of shrubs should be separated from each other and any exposed window or door by at least 10 metres. Shrubs greater than 5 metres in height are to be treated as trees.
- **Ground covers (<0.5 metres in height):** can be planted under trees but must be properly maintained to remove dead plant material and any parts within 2 metres of a structure, but 3 metres from windows or doors if greater than 100 millimetres in height. Ground covers greater than 0.5 metres in height are to be treated as shrubs.
- **Grass:** should be managed to maintain a height of 100 millimetres or less.

Explanatory Notes:

An APZ is an area surrounding a building that is managed to reduce the bushfire hazard to an acceptable level. The width of the required APZ varies with slope and vegetation. The APZ should at a minimum be of sufficient size to ensure the potential radiant heat impact of a fire does not exceed 29kW/m² (BAL-29). It should be lot specific. Hazard separation in the form of using subdivision design elements (refer to E2) or excluded and low threat vegetation adjacent to the lot may be used to reduce the dimensions of the APZ within the lot.

The APZ includes a defendable space which is an area adjoining the asset within which firefighting operations can be undertaken to defend the structure. Vegetation within the defendable space should be kept at an absolute minimum and the area should be free from combustible items and obstructions. The width of the defendable space is dependent on the space which is available on the property, but as a minimum should be 3 metres.

The APZ should be contained solely within the boundaries of the lot on which the building is situated, except in instances where the neighbouring lot or lots will be managed in a low-fuel state on an ongoing basis, in perpetuity. The APZ may include public roads, waterways, footpaths, buildings, rocky outcrops, golf courses, maintained parkland as well as cultivated gardens in an urban context, but does not include grassland or vegetation on a neighbouring rural lot, farmland, wetland reserves and unmanaged public reserves.

Development Response/Recommendations

The APZ(s) proposed as part of this development are illustrated in Figure 4A. The entirety of each lot is to be managed as an APZ in future.

This is consistent with the City of Kalamunda 2017/18 Firebreak and Fuel Load Notice, Section 2.

Implementation

- i. APZs to be implemented prior to the clearance of subdivision for affected lots in accordance with Figure 4A and provisions a-c above.
- ii. It is the responsibility of the developer to ensure the APZ standard is established.
- iii. It is the responsibility of the individual property owner to ensure the APZ standard continues to be achieved post completion of the construction.

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4.3 Element 3 - Vehicular Access

Intent: To ensure that the vehicular access serving a subdivision/ development is safe in the event of a bush fire occurring.

Performance Principle (P3): The internal layout, design and construction of public and private vehicular access in the subdivision/development allows emergency and other vehicles to move through it easily and safely at all times.

The following table outlines the Acceptable Solutions (AS) that are relevant to the proposal; identifies where a Performance Solution (PS) has been used instead of an AS; and states, where applicable, the reason why the AS is not relevant to the proposal.

Solution	AS	PS	N/A	Comment
A3.1 Two access routes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A3.2 Public road	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
A3.3 Cul-de-sac (including a dead-end road)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
A3.4 Battle-axe	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A3.5 Private driveway longer than 50 metres	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A3.6 Emergency access way	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A3.7 Fire service access routes (perimeter roads)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
A3.8 Firebreak width	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Table 4A: Vehicular access technical requirements

Technical Requirement	Public road	Cul-de-sac	Private driveway	Emergency access way	Fire service access routes
Minimum trafficable surface (m)	6	6	4	6	6
Horizontal clearance (m)	6	6	6	6	6
Vertical clearance (m)	4	N/A	4.5	4.5	4.5
Maximum grade over <50m	1 in 10	1 in 10	1 in 10	1 in 10	1 in 10
Minimum weight capacity (t)	15	15	15	15	15
Maximum crossfall	1 in 33	1 in 33	1 in 33	1 in 33	1 in 33
Curves minimum inner radius (m)	8.5	8.5	8.5	8.5	8.5

Acceptable Solution A3.1 Two access routes

Two different vehicular access routes are provided, both of which connect to the public road network, provide safe access and egress to two different destinations and are available to all residents/the public at all times and under all weather conditions.

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Development Response/Recommendations

Figures 4A and 4B illustrate access available to the site. The development achieves at least two different vehicular access routes, both connecting to the public road network to provide egress to two different destinations at all times.

Lots 1, 3 and 4 have immediate access to Halleendale Road. Lots 2, 5 and 6 have immediate access off Dan Close. An emergency access way provides access for lots 2, 5 and 6 to access Halleendale Road and Lot 4 to Dan Close. Halleendale Road provides access in two directions.

Acceptable Solution A3.2 Public roads**Development Response/Recommendations**

N/A. The proposed development does not include the construction of any new public roads. Therefore, A3.2 is not applicable to this development.

Acceptable Solution A3.3 Cul-de-sac (including a dead-end road)

A cul-de-sac and/or a dead end road should be avoided in bushfire prone areas. Where no alternative exists (i.e. the lot layout already exists and/or will need to be demonstrated by the proponent), the following requirements are to be achieved:

- Requirements in Table 4A, Column 2;
- Maximum length: 200 metres (if public emergency access is provided between cul-de-sac heads maximum length can be increased to 600 metres provided no more than eight lots are serviced and the emergency access way is no more than 600 metres); and
- Turn-around area requirements, including a minimum 17.5 metre diameter head.

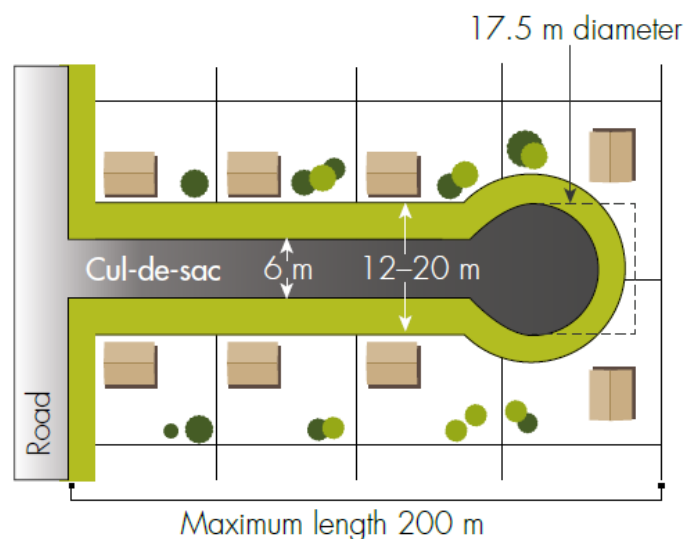


Figure 18: Minimum design requirements for a cul-de-sac

Source: The Guidelines (WAPC, 2017)

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

Development Response/Recommendations

N/A. The proposed development does not include the construction of any new cul-de-sacs. Therefore, A3.3 is not applicable to this development.

The exiting Dan Close cul-de-sac is compliant with the guidelines, being approximately 155m in length and servicing three lots.

Acceptable Solution A3.4 Battle-axe

Battle-axe access leg should be avoided in bushfire prone areas. Where no alternative exists, (this will need to be demonstrated by the proponent) all of the following requirements are to be achieved:

- Requirements in Table 4A, Column 3;
- Maximum length: 600 metres; and
- Minimum width: six metres.

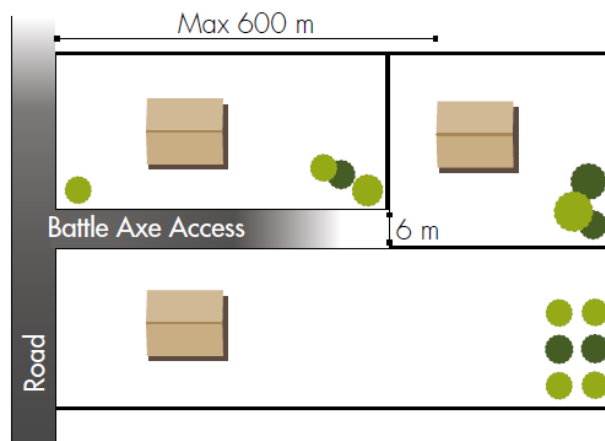


Figure 19: Minimum design requirements for a battle-axe

Source: The Guidelines (WAPC, 2017)

Development Response/Recommendations

Battle-axe access legs are proposed for Lots 4 and 5, being 6m in width and maximum leg length is approximately 55m. Due to spatial limitations and the existing development on the site, an internal road cannot be constructed with direct connection to Halleendale Road.

Alternatively, Dan Close is an existing cul-de-sac and it considered unacceptable to create an additional cul-de-sac within the development with connection only to Dan Close. In the absence of access alternatives, battle-axe access legs are considered necessary.

Further, the proposed subdivision design ensures that both proposed battle-axe legs will be subject to a BAL rating of no greater than BAL-12.5. As illustrated in Figure 4A, so as to augment the proposed battle-axe legs, an emergency access way will be required to ensure emergency and other vehicles can move through the subdivision easily and safely at all times via areas moving away from any bushfire threat.

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Implementation

- i. To be implemented prior to the clearance of subdivision for affected lots that the battle-axe services.
- ii. It is the responsibility of the developer to ensure the battle-axe meets the required standard in accordance with Table 4A and provisions b-c above.
- iii. It is the responsibility of the individual land owner to ensure the battle-axe continues to meet the required standard.

Acceptable Solution 3.5 Private driveway longer than 50 metres

A private driveway is to meet all of the following requirements:

- a. Requirements in Table 4A, Column 3;
- b. Required where a house site is more than 50 metres from a public road;
- c. Passing bays: every 200 metres with a minimum length of 20 metres and a minimum width of two metres (i.e. the combined width of the passing bay and constructed private driveway to be a minimum six metres);
- d. Turn-around areas designed to accommodate type 3.4 fire appliances and to enable them to turn around safely every 500 metres (i.e. kerb to kerb 17.5 metres) and within 50 metres of a house; and
- e. Any bridges or culverts are able to support a minimum weight capacity of 15 tonnes.
- f. All-weather surface (i.e. compacted gravel, limestone or sealed).

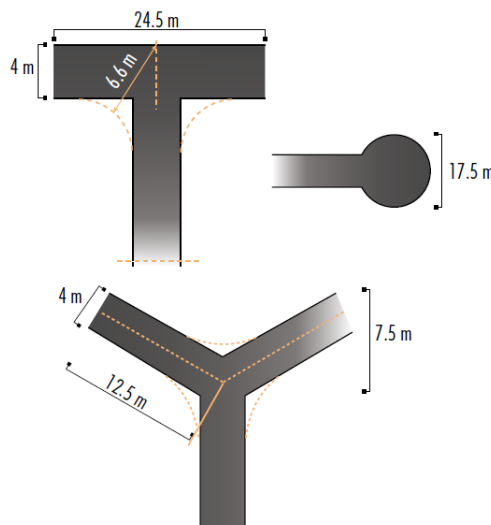


Figure 20: Design requirements for a private driveway longer than 50 metres

Turning areas should allow type 3.4 fire appliances to turn safely

Source: The Guidelines (WAPC, 2017)

Development Response/Recommendations

Figure 4A illustrates the private driveways longer than 50 metres proposed as part of the development. Private driveways longer than 50m are to comply with the specifications of Table 4A.

Implementation

- i. To be implemented prior to occupation of the habitable building serviced by the private driveway.
- ii. It is the responsibility of the individual land owner to ensure the private driveway meets the required standard in accordance with Table 4A and provisions b-f above.

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- iii. It is the responsibility of the individual land owner to ensure the private driveway continues to meet the required standard.

Acceptable Solution 3.6 Emergency access way (EAW)

An access way that does not provide through access to a public road is to be avoided in bushfire prone areas. Where no alternative exists (this will need to be demonstrated by the proponent), an emergency access way is to be provided as an alternative link to a public road during emergencies. An emergency access way is to meet all of the following requirements:

- Requirements in Table 4, Column 4;
- No further than 600 metres from a public road;
- Provided as right of way or public access easement in gross to ensure accessibility to the public and fire services during an emergency; and
- Must be signposted.

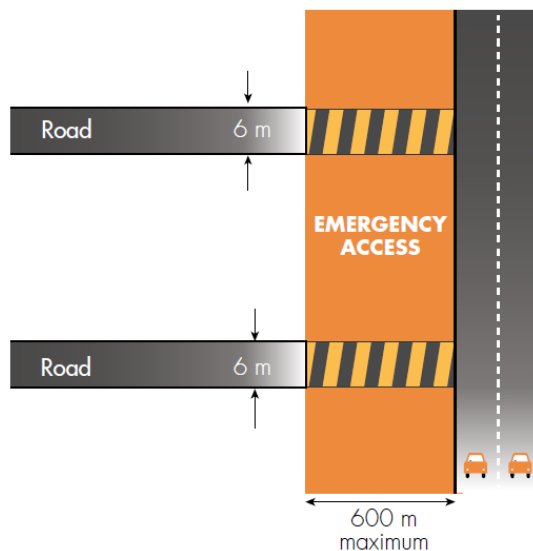


Figure 21: Minimum design requirements for an emergency access way

Source: *The Guidelines* (WAPC, 2017)

Development Response/Recommendations

Figure 4A illustrates the emergency access way proposed as part of the development. The emergency access way is to comply with the specifications of Table 4A.

The emergency access way is to provide secondary access for Lots 2, 5 and 6 in the unlikely event that Dan Close is not trafficable or for Lot 4 if direct access to Halleendale Road is compromised.

Implementation

- To be implemented prior to the clearance of subdivision for affected lots that the emergency access way services.
- It is the responsibility of the developer to ensure the emergency access way meets the required standard in accordance with Table 4A and provisions b-d above.
- It is the responsibility of the individual landowner to ensure the emergency access ways continue to meet the required standard.

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Performance Solution 3.7 Fire service access routes (perimeter roads)**Development Response/Recommendations**

N/A. The EAW from Dan Close to Halleendale Road is required to be constructed to the same standards as a FSAR, and as such the EAW may be used by fire service vehicles if required.

In this regard a dedicated FSAR is not required.

Acceptable Solution A3.8 Firebreak width

Lots greater than 0.5 hectares must have an internal perimeter firebreak of a minimum width of three metres or to the level as prescribed in the local firebreak notice issued by the local government.

Development Response/Recommendations

N/A. No Firebreaks are proposed. The annual City of Kalamunda Firebreak and Fuel Load Notice as amended requires lots less than 0.5ha in area to have a 3 metre wide internal perimeter firebreak, unless the property is maintained clear of flammable matter by slashing and mowing or maintaining living garden beds or lawn. The proposed APZ over the entire site fulfils this requirement.

4.4 Element 4 - Water

Intent: To ensure that water is available to the subdivision, development or land use to enable people, property and infrastructure to be defended from bushfire.

Performance Principle (P4): The subdivision, development or land use is provided with a permanent and secure water supply that is sufficient for firefighting purposes.

The following table outlines the Acceptable Solutions (AS) that are relevant to the proposal; identifies where a Performance Solution (PS) has been used instead of an AS; and states, where applicable, the reason why the AS is not relevant to the proposal.

Solution	AS	PS	N/A	Comment
A4.1 Reticulated areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A4.2 Non-reticulated areas	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
A4.3 Individual lots within non-reticulated areas	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Acceptable Solution A4.1 Reticulated areas

The subdivision, development or land use is provided with a reticulated water supply in accordance with the specifications of the relevant water supply authority and Department of Fire and Emergency Services.

Development Response/Recommendations

The site is serviced by reticulated scheme water and firefighting hydrants, satisfying Acceptable Solution A4.1. The locations of existing hydrants are shown in Figure 4A.

BUSHFIRE MANAGEMENT PLAN

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Acceptable Solution A4.2 Non-reticulated areas

Development Response/Recommendations

N/A. The site is serviced by reticulated scheme water and firefighting hydrants. Therefore, A4.2 is not applicable to this development.

Acceptable Solution A4.3 Individual lots within non-reticulated areas

Development Response/Recommendations

N/A. The site is serviced by reticulated scheme water and firefighting hydrants. Therefore, A4.3 is not applicable to this development.

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BUSHFIRE MANAGEMENT PLAN MAP Lots 31 & 32 Halleendale Road & Lot 33 Dan Close, Walliston

Bushfire Management Strategies



Size: A4
Scale: 1:1,000



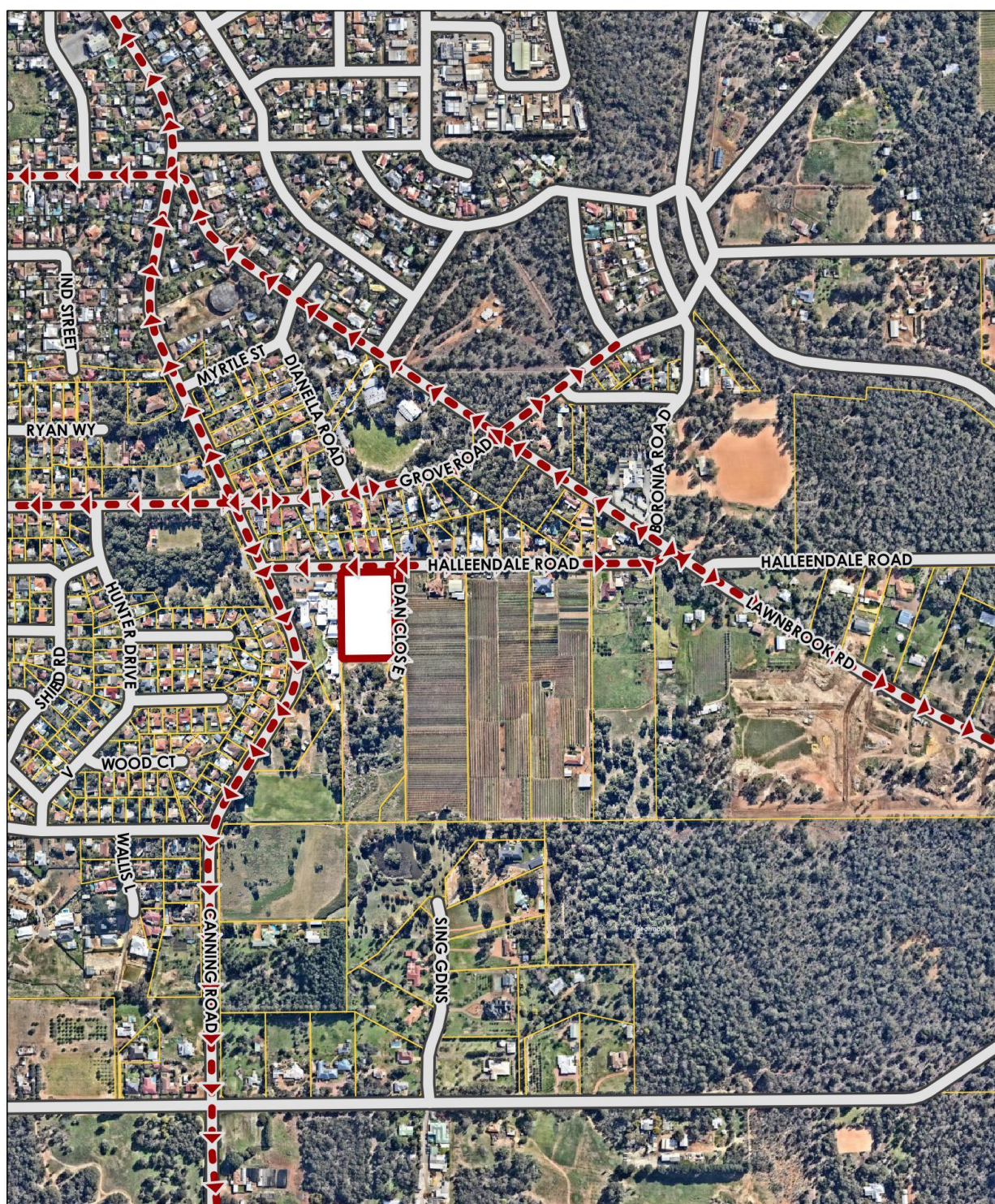
Ref: 7226_004_01_BMS_20180223
Projection: GDA94 MGA50
Author: MM - RUIC | Date: 2018-02-23
Data Source: Cadastre - Landgate; Imagery -
Nearmap; Roads, Site Boundary - RUIC.

Disclaimer: Although the data within this map is considered accurate at the time of creation, RUIC Fire does not guarantee, and accepts no legal liability whatsoever arising from or connected to, the accuracy, reliability, currency or completeness of any data used within this map.

Figure 4A: Bushfire Management Strategies Map

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BUSHFIRE MANAGEMENT PLAN MAP Lots 31 & 32 Halleendale Road & Lot 33 Dan Close, Walliston

Access Map



Size: A4

Scale: 1:8,000

0 50 100 150 200 250 m



Site Boundary



Cadastre



Main Roads



Access Route

Ref: 7226_005_01_Access_20171002
Projection: GDA94 MGA50
Author: MW - RUIC | Date: 2017-10-02
Data Source: Cadastre - Landgate; Imagery -
Nearmap; Roads, Site Boundary - RUIC.

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Figure 4B: Site Access

BUSHFIRE MANAGEMENT PLAN

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5.0 Implementation and Enforcement

Table 5A: Schedule of Works

Strategy	Implementation		Maintenance	
	Responsible	Time Frame	Responsible	Time Frame
Amendments to BMP	Any amendments to this BMP shall be approved by the relevant Jurisdiction Having Authority			
Asset Protection Zone	Developer	Prior to clearance of subdivision	Individual land owner	Ongoing
Construction to AS 3959	Individual land owner & Local Government	On construction of all habitable buildings	Individual land owner	Ongoing
Public roads	N/A	N/A	N/A	N/A
Cul-de-sacs	N/A	N/A	N/A	N/A
Battle-axes	Developer	Prior to clearance of subdivision	Individual land owner	Ongoing
Private driveways longer than 50m	Individual land owner	Prior to occupation of habitable buildings	Individual land owner	Ongoing
Emergency access ways	Developer	Prior to clearance of subdivision	Individual land owner	Ongoing
Fire service access routes	N/A	N/A	N/A	N/A
Firebreaks	N/A	N/A	N/A	N/A
Firefighting water (hydrants)	Existing	Existing	Water Corporation	Ongoing
Firefighting water (private tanks)	N/A	N/A	N/A	N/A
Public Open Space	N/A	N/A	N/A	N/A
Firefighting services and response	DFES and Local Government	Ongoing	DFES and Local Government	Ongoing
Fuel load reduction and firebreak notice works	Individual Landowner	In accordance with firebreak notice	Individual Landowner	Ongoing
Issue of fuel load reduction and firebreak notice	Local Government	In accordance with firebreak notice	Local Government	In accordance with firebreak notice

**BUSHFIRE MANAGEMENT PLAN**

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Strategy	Implementation		Maintenance	
	Responsible	Time Frame	Responsible	Time Frame
Inspection and issue of works orders or fines	Local Government	Ongoing	Local Government	Ongoing

BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston

6.0 References

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- DFES (2018). Ref: D04011, Land Use Planning referral letter. Department of Fire and Emergency Services. Cockburn WA, 02/02/2018
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BUSHFIRE MANAGEMENT PLAN

Lots 31 & 32 Halleendale Road and Lot 33 Dan Close, Walliston



7.0 Appendix 1

Local Government Firebreak Notice

City of Kalamunda 2017/2018

FIREBREAK AND FUEL LOAD NOTICE

Bush Fires Act 1954

Notice to Owners and/or Occupiers* of Land situated within the City of Kalamunda.

As a measure to assist in the control of bushfires and pursuant to the powers contained in section 33 of the *Bush Fires Act 1954* (as amended), as the property owner or occupier of land within the City of Kalamunda, you are hereby required before 1 November 2017, or within 14 days of becoming an owner or occupier of land if after this date, to comply with the requirements set out in this notice.

The applicable works outlined below must be completed before 1 November 2017 and maintained up to and including 31 March 2018.

Persons who fail to comply with the requirements of this notice may be issued with an infringement notice penalty (\$250) or prosecuted with an increased penalty (maximum penalty \$5,000). Additionally, the City of Kalamunda may carry out the required work at cost to the owner/occupier.

1. Land, with a building on it, with an area *greater than 5,000m²*

You are required to:

- ☐ Have all flammable matter slashed, mowed or trimmed down by other means to a height no greater than 50mm across the entire property (living trees, shrubs, plants and lawn under cultivation are excepted).
- ☐ Install bare earth firebreaks three (3) metres wide immediately inside and along all boundaries of land in a continuous form, including on boundaries adjacent to roads, rail and drain reserves and all public

open space reserves, with all overhanging branches, trees, limbs etc. to be trimmed back from over the firebreak area from ground level to a minimum height of four (4) metres. Driveways must also be maintained to these conditions.

- ☐ Ensure the roofs, gutters and walls of all buildings on the land are free of flammable matter.
- ☐ Install and maintain an Asset Protection Zone in accordance with the requirements set out in Part 4 of this Notice.

2. Land, with a building on it, with an area *less than 5,000 m²*

You are required to:

- ☐ Have all flammable matter slashed, mowed or trimmed down by other means to a height no greater than 50mm across the entire property (living trees, shrubs, plants and lawn under cultivation are excepted).
- ☐ Install a firebreak immediately inside all external boundaries of the property unless the property is maintained clear of flammable matter by slashing and mowing or maintaining living garden beds or lawn.
- ☐ Ensure the roofs, gutters, walls of all buildings on the land are free of flammable matter. Driveways must also be maintained to these conditions.
- ☐ Install and maintain an Asset Protection Zone in accordance with the requirements set out in Part 4 of this Notice.

** Please note that the Bush Fires Act 1954 (WA) requires the owner or occupier of land to attend to all requirements in this Notice. The City may take action against either the owner or occupier of land for a failure to comply with this Notice at its absolute discretion.*

3. All Vacant Land

You are required to:

- ☐ Have all flammable matter slashed, mowed or trimmed down by other means to a height no greater than 50mm across the entire property (living trees, shrubs, plants under and lawn under cultivation excepted).
- ☐ On vacant land larger than 1,000 m², install bare earth firebreaks three (3) metres wide immediately inside and along all boundaries of land in a continuous form, including on boundaries adjacent to roads, rail and drain reserves and all public open space reserves, with all overhanging branches, trees, limbs etc. to be trimmed back from over the firebreak area from ground level to a minimum height of four (4) metres. Driveways must also be maintained to these conditions. A Fire Control Officer may request firebreaks to be installed on vacant land under 1,000m² should they deem it necessary under Part 5 of this Notice to reduce risk of fire.

4. Asset Protection Zones

The area of land that extends out 20m from a habitable building or attached structure (for example verandas or gazebos) within the boundaries of a lot on which a habitable building is situated, is considered to be an Asset Protection Zone, also known as 'Building Protection Zone' (Asset Protection Zone).

In the Asset Protection Zone, unless an approved 'Alternative Bushfire Management Plan' is in place:

- ☐ Non-flammable managed vegetation, reticulated lawns and gardens and other non-flammable features are permitted only.
- ☐ All grass must be maintained to or under 50mm in height.
- ☐ Mature trees over five (5) metres in height must be under pruned to at least a height of two (2) metres from the ground (which means you must prune branches and leaves etc. from the ground up to the first 2 metres in height of the tree).

- ☐ Tree or shrubs over two (2) metres high must not be within 2 metres of a habitable building.

5. Additional Works

In addition to the requirements noted above, regardless of land size and location, the City of Kalamunda or its duly authorised officer(s) may require you to undertake additional works on your property to improve access and/ or undertake further hazard removal (Additional Works) where, in the opinion of an authorised officer, such Additional Works are necessary to prevent the outbreak and/or the spread of a bush fire.

6. Firebreak Variations

If you consider for any reason that it is impractical to clear firebreaks as required by this Notice, or if natural features render firebreaks unnecessary, you may apply in writing to the City of Kalamunda or its duly authorised officers, not later than 1 October 2017, for alternative positions, or other methods of fire prevention on your land.

If permission is not granted, you must comply with the requirements of this Notice. This applies to variations to the Asset Protection Zone as well. The Chief Bush Fire Control Officer reserves the right to review and revoke any variation granted.

Fuel Dumps and Depots

You are required to remove all flammable matter within ten (10) metres of where fuel drums, fuel ramps or fuel dumps are located, and where fuel drums, whether containing fuel or not, are stored.

By order of the City of Kalamunda.

Rhonda Hardy

CHIEF EXECUTIVE OFFICER

ATTACHMENT 2 AERIAL/CADASTRE MAP WITH 500M RADIUS FROM ORCHARD

Amendment No. 35 - Buffer from Orchard

Ordinary Council Meeting - 22 May 2018

Attachment 10.2.3.4

Legend

500m Buffer

500m Buffer from Orchard

Property Boundaries

State Roads

Other Roads





Government of **Western Australia**
Department of **Health**

DHC No.

Your Ref: PG-LPS-003/035
Our Ref: F-AA-04727/02 EHB17/1364
Enquiries: Vic Andrich 9388 4999

Ms Rhonda Hardy
Chief Executive Officer
Shire of Kalamunda
PO Box 42
KALAMUNDA WA 6076

Attention: Chris Lodge, Senior Statutory Planning Officer

Dear Ms Hardy

LOCAL PLANNING SCHEME No. 3 AMENDMENT No. 35 – CHANGE OF DENSITY FROM R2.5 TO R5 – LOT 31 (#16) AND LOT 32 (#20) HALLEENDALE ROAD AND LOT 33 (#10) DAN CLOSE, WALLISTON

Thank you for your letter of 31 November 2017 requesting comment from the Department of Health (DOH) on the above proposal.

The DOH provides the following comment:

1. Water Supply and Wastewater Disposal

The amendment is to require all developments are to be connected to scheme water and comply with the *Government Sewerage Policy - Perth Metropolitan Region*.

The amendment should also include that approval is required for any on-site waste water treatment process with such proposals being in accordance with DOH publications which may be referenced and downloaded from:

http://ww2.health.wa.gov.au/Articles/N_R/Recycled-water

http://ww2.health.wa.gov.au/Articles/U_Z/Water-legislations-and-guidelines

http://ww2.health.wa.gov.au/Articles/S_T/Subdivisions-and-town-planning-approvals

2. Public Health Impacts

The amendment is to be consistent with the attached DOH document on '*Evidence supporting the creation of environments that encourage healthy active living*' which will assist with planning elements related to this amendment. Additional information available at: http://ww2.health.wa.gov.au/Articles/F_I/Health-risk-assessment

There may also be a concern about existing (orchard) and potential agricultural activities on surrounding land and the possible resultant spray drift from chemical applications. The amendment should adhere to the necessary buffer separation distances between agricultural and sensitive land uses.

Environmental Health Directorate | Public and Aboriginal Health Division
All correspondence to: PO Box 8172 Perth Business Centre Western Australia 6849
Grace Vaughan House 227 Stubbs Terrace Shenton Park WA 6008
Telephone (08) 9388 4999 Fax (08) 9388 4955
ABN 28 684 750 332
www.health.wa.gov.au

- 2 -

The DOH has released *Guidelines for Separation of Agricultural and Residential Land Uses* and it should be taken into consideration. A copy is attached or it may be accessed from the Public Health website:

http://ww2.health.wa.gov.au/Articles/F_I/Guidelines-for-separation-of-agricultural-and-residential-land-uses

Should you have queries or require further information please contact Vic Andrich on 9388 4999 or ehinfo@health.wa.gov.au

Yours sincerely



Stan Goodchild
**A/ EXECUTIVE DIRECTOR
ENVIRONMENTAL HEALTH DIRECTORATE**

24 January 2018

Att.

Please note that the Environmental Health Directorate is in the process of developing an electronic submissions system and nominate the following email address for future submissions:
EH.eSubmissions@health.wa.gov.au

The DOH will still continue to receive hard copy submission until further notice.



Department of
**Primary Industries and
Regional Development**

Your reference: PG –LPS- 003/035
Our reference: LUP 276
Enquiries: Rodney Safstrom

Chris Lodge

Senior Statutory Planning Officer

City of Kalamunda

PO Box 42 Kalamunda 6926

enquiries@kalamunda.wa.gov.au

**Local Planning Scheme Amendment No. 35 – Standard Amendment – Change of
Density from R2.5 to R5 – Lot 31 (16) and Lot 32 (20) Halleendale Road and Lot 33
(10) Dan Close, Walliston**

Dear Mr Lodge,

Thank you for the opportunity to comment on the above LPS Amendment.

The Department of Primary Industries and Regional Development is concerned that Amendment No. 35 increases residential density adjacent to Rural Zoned land actively used for commercial agriculture, potentially creating land use conflicts. Clause 5.1 (g) of State Planning Policy 2.5 provides for protection of existing rural land. Clause 5.12 provides guidance on avoiding land use conflict by the use of separation distances and provision of buffers. Clause 5.12.4(c) provides for the use of a condition that notifies prospective purchasers of a land use that may affect residential amenity.

Given that the subject land currently has residential zoning and land uses it is recommended that a condition on Title be required that notifies prospective purchasers of existing and new lots of the adjacent land uses that may affect residential amenity.

If you require clarification about this submission please contact Mr Rod Safstrom on 9368 3169 or by email at rodney.safstrom@dpird.wa.gov.au.

Yours sincerely,

Melanie Strawbridge
DIRECTOR
LAND AND WATER ASSESSMENT

16 January 2018

Agriculture and Food

3 Baron-Hay Court, South Perth WA 6151
Locked Bag 4, Bentley Delivery Centre WA 6983

Telephone +61 (0)8 9368 xxxx Facsimile +61 (0)8 9474 xxxx enquiries@dpird.wa.gov.au

dpird.wa.gov.au

ABN: 18 951 342 745

27 February 2018

Chris Lodge, Senior Strategic Planning Officer
City of Kalamunda
PO Box 42
KALAMUNDA WA 6926

Via email: chris.lodge@kalamunda.wa.gov.au

Dear Chris,

**RESPONSE TO GOVERNMENT AGENCY SUBMISSIONS – LOCAL PLANNING SCHEME AMENDMENT
NO. 35 – LOT 31 (NO. 16) AND LOT 32 (NO. 20) HALLEENDALE ROAD AND LOT 33 (NO. 10) DAN CLOSE,
WALLISTON**

Further to our recent communications on the abovementioned Scheme Amendment, please find below and attached a response to the government agency submissions that were received during the recent advertising period.

Department of Fire and Emergency Services

Location & Siting and Design

As per your email dated 22 February 2018, we understand that this issue has been resolved to the City's satisfaction. Specifically, we note your comments that the Bushfire Management Plan ('BMP') demonstrates that there is ample room for development in a location in an area of BAL-29 or below within the proposed lots, and may be considered compliant with A1.1 and A2.1 of Element 1 of the Guidelines.

Vehicular Access

Consistent with the recommendation of the Department of Fire and Emergency Services ('DFES'), the BMP has been modified to remove the Fire Service Access Route and extend the Emergency Access Way along the northern boundary of proposed Lot 5, creating a through connection for both battle-axe legs.

A copy of the modified BMP is appended to this submission (see **Attachment 1**).

Department of Health & Department of Primary Industries and Regional Development

Water supply & wastewater disposal

As per the Amendment report, the subject land is currently serviced by a reticulated water supply which runs along the northern side of Halleendale Road and the western side of Dan Close.

In relation to wastewater disposal, a reticulated sewerage service is not currently available in the locality and nor is there any indication that such a service is earmarked in the immediate future. Notwithstanding this, the potential subdivision that would follow gazettal of this Amendment would result in lot sizes that are consistent with the immediate surrounding area and can similarly accommodate on-site effluent disposal.

Healthy active living

In reviewing the Department of Health's ('DoH') 'Evidence supporting creation of environments that encourage healthy active living' document, we submit that the Amendment is consistent with these elements.

Specifically, the Amendment will allow for a marginal increase in the number of residential dwellings within close proximity to the:

- Neighbourhood centre on the south-eastern corner of Canning and Grove Roads (approx. 130m as the crow flies);
- Public open space on the south-western corner of Canning and Grove Roads (approx. 140m as the crow flies);
- Adjoining Kalamunda Christian School; and
- Walliston Primary School on the north-eastern corner of Dianella and Grove Roads (approx. 145m as the crow flies).

Accordingly, the Amendment will increase the opportunities for potential residents to walk and/or cycle to nearby destinations.

Separation from surrounding agricultural activities

It is acknowledged that an existing orchard is located at No. 26 Halleendale Road, immediately across the road from the subject land. Furthermore, it is acknowledged that State Planning Policy 2.5 – Rural Planning ('SPP2.5') and the DoH's 'Guidelines for Separation of Agricultural and Residential Land Uses' ('DoH Guidelines') are relevant considerations due to the proximity of the Amendment to agricultural land uses and that the recommended separation distance from an 'orchard' to a 'sensitive land use' (e.g. residential dwelling) is 500m, which is not achieved in this instance.

Notwithstanding the above, we submit that there are already some 182 residential dwellings and two (2) schools (one of which had additional classrooms constructed as recent as 2015) within a 500m radius of the existing orchard. An aerial/cadastral map showing all properties within a 500m radius of the orchard is provided at **Attachment 2**. This clearly shows that any potential land use conflicts have been considered previously and subsequently determined to be insignificant/inconsequential, and therefore, it is our view that the potential for up to three (3) additional residences does not exacerbate the status quo.

In this instance, where the pattern of surrounding land is closer to being completed rather than extended by this proposal, an adequate precaution may well be a notification on title. Specifically, we submit that any subsequent subdivision application(s) that follow as a result of this Amendment could allow for Section 70A Notifications to be placed on title for those lots, advising prospective purchasers of the proximity to existing agricultural activities and the potential noise, odour and spray drift. This should be seen as a positive outcome given that no such notifications are currently on title for the subject land which already has three (3) dwellings.

In addition, previous communications between the Applicant and the owner/operator of the orchard have led the Applicant to understand that the owner (currently approaching retirement age) is looking to cease operating his orchard and given the lack of interest from his family members in taking over, is likely to put the property on the market in the not too distant future. Accordingly, and whilst we acknowledge it is speculative, it is likely that any prospective purchaser will seek redevelopment opportunities, as opposed to any agricultural pursuit.

For these reasons, we submit that the issues raised by the relevant government departments have been satisfactorily addressed and maintain the view that the Amendment warrants approval having regard to the relevant planning framework.

Should you have any queries relating to the above, please do not hesitate to contact me on 9474 1449 or via return email. We otherwise look forward to your positive recommendation at the forthcoming Council Meeting.

Yours faithfully,



Ben Laycock

Senior Town Planner – Altus Planning



Our Ref: 833-2-1-61 Pt 1 (RLS/0534/1)
Enquiries: Mr Steven Radley (6551 9426)

Chief Executive Officer
Shire of Kalamunda
2 Railway Road
KALAMUNDA WA 6076

DOCUMENTS FOR DISPLAY

Dear Sir/Madam

Metropolitan Region Scheme Proposed Amendment 1292/57 North-East & North-West Districts Omnibus 1

In October 2015, the Western Australian Planning Commission (WAPC) sought public comment on the abovementioned amendment to the Metropolitan Region Scheme. I write to advise you that the amendment has now been finalised.

Submissions on the proposed amendment were invited and 54 were received. The WAPC considered the written submissions and recommended to the Minister for Planning that the amendment proceed but in a modified form.

The Minister has approved the amendment but with further modification. The abovementioned amendment to the Metropolitan Region Scheme takes effect on and from Friday 14 July 2017, being the date of publication in the *Government Gazette*.

Accordingly, would you arrange for the maps and documents (as supplied) to be displayed, free of charge at a place of convenience for public inspection from Friday 14 July 2017 to Friday 18 August 2017. Should further copies of the WAPC report on submissions be required, please contact Mr Steven Radley on 6551 9426.

Please note in your records that Metropolitan Region Scheme Amendment 1292/57 - North-East and North-West Districts Omnibus 1 is now complete. The revised zones and reservations, as depicted in amending plans numbered 3.2651, 3.2652, 3.2653/1, 3.2654/1, 3.2655, 3.2656, 3.2657/1, 3.2658/1, 3.2659/1, 3.2660, 3.2661, 3.2662/1 & 3.2663, will now appear in the Metropolitan Region Scheme.



In accordance with section 124 of the *Planning and Development Act 2005*, Council should now initiate action to amend its town planning scheme so that it is consistent with and will not impede the implementation of the Metropolitan Region Scheme.

Yours faithfully

A handwritten signature in black ink, appearing to read 'Kerrine Blenkinsop', written in a cursive style.

Kerrine Blenkinsop

Secretary

Western Australian Planning Commission

12 July 2017

Parts of the Ocean Reef and Gngara Road corridors in Landsdale and Wangara required for Other Regional Roads purposes remain in the Rural, Industrial and Urban Deferred zones in anticipation of being transferred to the Other Regional Roads reservation.

The other part of this amendment seeks to rationalise the Other Regional Roads reservation containing Ocean Reef Road in Wangara, by transferring land superfluous to the requirements of the road to the Urban zone, in accordance with cadastral boundaries.

Shire of Kalamunda

Proposal 23

Walliston: To re-zone Lots 31 and 32 Halleendale Road, Lot 33 Dan Close, Lot 6 Canning Road, Lot 7 Halleendale Road and portions of each of Lot 3 Canning Road and Lot 50 Lawnbrook Road from the Rural zone to the Urban zone (Fig. 23).

This amendment seeks to rationalise the MRS zonings of the subject land in order to reflect the current use of the land and zoning under the Shire of Kalamunda Local Planning Scheme No. 3 (LPS 3):

- Lot 7 Halleendale Road is occupied by a primary school;
- Lot 6 Canning Road (bounded on three sides by Lot 7) is also owned by the school, contains a residential dwelling and is proposed as Urban as it will represent a rounding off of the proposed Urban zone at this locality;
- Under LPS 3 portions of Lot 3 Canning Road and Lot 50 Lawnbrook Road are zoned 'Residential Bushland' and portions are reserved for 'Local Open Space', both of which are land uses that are generally not considered appropriate for land zoned Rural under the MRS;
- Lots 31 and 32 Halleendale Road and Lot 33 Dan Close are also zoned 'Residential Bushland' under LPS 3.

It is considered appropriate to reflect the existing land uses and LPS 3 classifications in the MRS by rezoning the subject land from Rural to Urban.

Shire of Mundaring

Proposal 24

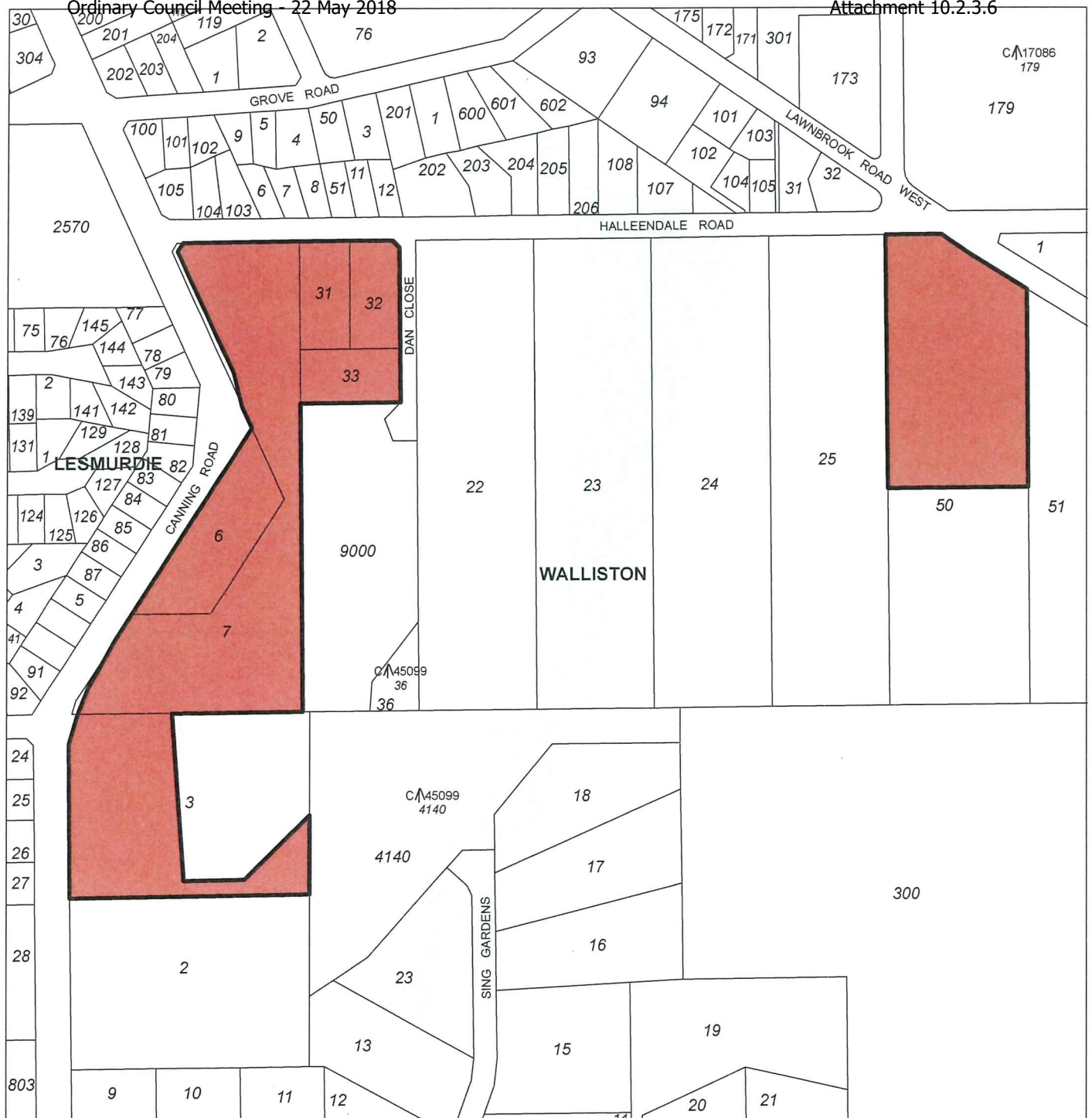
Helena Valley: To transfer Lots 305, 309, 9012, 9013 and 9014 Helena Valley Road from the Rural zone to the Parks and Recreation reservation (Fig 24).

The ceding of the subject land to the Crown as a foreshore reserve has been agreed to by the landowner and is required as a condition of subdivision approval. It is necessary for the Rural-zoned land to be transferred to the Parks and Recreation reservation to ensure the long-term protection of the Helena River foreshore area.

Proposal 25

Stoneville: To rezone Lot 1871 Ayres Road and Lot 86 Richardson Road from Rural to Urban (Fig. 25).

The subject land abuts the south-western corner of the Stoneville urban cell. Transfer of the subject land to the Urban zone would facilitate the designation in future of a 'Residential'



NORTH-EAST AND NORTH-WEST DISTRICTS OMNIBUS NO.1

as advertised

31 March 2015

Proposal 23

Proposed Amendment:

 Urban zone

Oracle reference no: 2792

File number: 833/02/01/0061P V

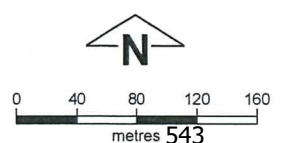
Version number: 1



Department of
Planning



Western
Australian
Planning
Commission



10.2.4. Section 31 Reconsideration: Proposed Outbuilding - Lot 11 (215) Lewis Road, Forrestfield

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	OCM 78/2017
Directorate	Development Services
Business Unit	Approval Services
File Reference	DA17/0237/LW-04/215
Applicant	Terence and Donna Crestwell
Owner	Terence and Donna Crestwell
Attachments	<ol style="list-style-type: none"> 1. Site and Elevation Plans [10.2.4.1] 2. Applicant Justification [10.2.4.2] 3. Locality Plan Showing Topography [10.2.4.3] 4. Objector - Proposed Alternative Location Plan [10.2.4.4] 5. Comment Summary Table [10.2.4.5]
Confidential Attachment	<ol style="list-style-type: none"> 6. Submitters Map <p><i>Reason for Confidentiality: Local Government Act 1995 (WA) Section 5.23 (2) (b) - "the personal affairs of any person."</i></p>

EXECUTIVE SUMMARY

1. The purpose of this report is to consider a Section 31 reconsideration order from the State Administrative Tribunal (SAT) for a proposed 150m² outbuilding at Lot 11 (215) Lewis Road, Forrestfield.
2. At the Ordinary Council Meeting on Monday 30 October 2017 Council resolved to refuse an application for a 160m² outbuilding at the subject site. On 14 December 2017, the applicant appealed the decision of Council to the SAT. Further to a SAT mediation meeting held onsite on 28 February 2018, the applicant provided amended plans proposing a reduction in the floor area of the outbuilding and changes to the building setbacks to the front and side lot boundaries. The amended plans were advertised to affected landowners for a period of 28 days (an additional two weeks due to the extended advertising period over Easter). During this period two submissions were received, both objecting to the proposal.
3. It is recommended that the City approve the revised plans for the outbuilding subject to appropriate conditions.

BACKGROUND

4. Land Details:

Land Area:	9938m ²
Local Planning Scheme Zone:	Special Rural
Metropolitan Regional Scheme Zone:	Rural

5. **Locality Plan:**



6. The site is approximately 1 hectare in size, rectangular in shape with a frontage of approximately 54m and a depth of approximately 185m. The site comprises an existing residential dwelling and scattered areas of mature vegetation with a driveway which extends along the northern boundary. An area to the side and behind the existing dwelling is currently cleared for the purpose of containing sheep.
7. The drainage easement that appears on the south-east area of the lot was re-configured to run directly down the south-western boundary from Lewis Road to the creek. The drainage easement was reconfigured in collaboration with the City and formally registered with Landgate on 28 November 2017.
8. The topography of the site is constrained in some aspects; the site slopes down from the primary street approximately 7m to a winter creek which runs horizontally across the lot. The topography then slopes up from the creek to a high point on the north-east corner of the site behind the existing dwelling. The site slopes from north-east to south-west, falling approximately 8m from the north-east side boundary to the south-west side boundary. The area south-west of the winter creek is subject to waterlogging after heavy rainfall.
9. The site is located in an area characterised by small rural landholdings of approximately 1 hectare in size.
10. The adjoining property at 219 Lewis Road, Forrestfield contains an existing 15m x 9m (135m²) outbuilding in the front area of the site that was approved

by the City in 2012. This outbuilding incorporated significant fill given the slope of the site, however is largely screened from view of Lewis Road.

11. In October 2017, Council resolved to refuse an application for an outbuilding comprising 160m² with proposed variations to the allowable external wall and ridge height prescribed under Local Planning Policy P-DEV 20 Outbuildings and Sea Containers (the Policy) for the following reasons:
- 1. The Bulk, scale and location of the outbuilding is considered to have a detrimental impact on the visual amenity of the area when viewed from the Lewis Road and neighbouring properties.*
 - 2. The proposal does not comply with the provisions of Local Planning Policy P-DEV 20 Outbuildings and Sea Containers in respect to external wall height, roof pitch height, maximum allowable floor area and location being forward of the existing dwelling.*
 - 3. The proposal is not consistent with the principles of orderly and proper planning as outlined in Clause 4.2.2 of the Local Planning Scheme No 3 pertaining to the objectives of the Special Rural zone.*
12. On 14 December 2017, the applicant sought a review of the Council decision through the SAT. On 28 February 2018, following a mediation conference held on site, the City was invited to reconsider its decision of refusal.

DETAILS

13. Further to the SAT mediation, the applicant has provided revised plans (Attachment 1) as follows:
- a) Increasing the front setback from 15m to 20m.
 - b) Increasing the north-east side setback by 14m to 15.4m and subsequently reducing the south-west side setback to a total of 28.6m.
 - c) Reducing the proposed length by 1m resulting in a reduced floor area of 10m² and total floor area of 150m².
 - d) The external wall height of 5.5m above natural ground level (4m wall height from pad level, plus up to 1.5m of fill) remains unchanged.
 - e) The external roof pitch height of 7.83m above natural ground level (6.33m roof pitch height from pad level, plus up to 1.5m fill); remains unchanged.
 - f) The outbuilding remains located forward of the existing residential dwelling.
14. In support of the revised proposal, the applicant is proposing vegetative screening and replanting for vegetation requiring removal. To accommodate the proposal, a total of 10 trees are proposed to be removed. Eleven (11) trees (Wandoo and Marri) are proposed to be replaced as well as vegetative screening of forty four (44) plants, refer Attachment 2.
15. There is no proposed change to the finished floor levels from the original proposal. The slab height is approximately 2m lower than the road and the nature of fill is consistent with the surrounding properties, refer Attachment 3.
16. The proposed colour and material of the outbuilding is green powder coated steel 'pale eucalypt' or 'mangrove' in colour and is considered to comply with requirements stipulated in Table 2 of the Policy.

STATUTORY AND LEGAL CONSIDERATIONS

17. **Planning and Development (Local Planning Schemes) Regulations 2015**

In considering an application for planning approval, Clause 67 of the *Planning and Development (Local Planning Schemes) Regulations 2015 (the Regulations)* requires Council to have due regard to a number of matters, including:

- a) The compatibility of the development within its settings;
- b) Amenity in the locality; and
- c) Any relevant submissions received on the application.

18. **Local Planning Scheme No. 3**

The subject site is zoned Special Rural in accordance with the City's Local Planning Scheme No. 3 (Scheme).

Clause 4.2.2 (Objectives of Zones – Rural) of the Scheme states that the objectives of the Special Rural zone are to:

- a) *To enable smaller lot subdivision to provide for uses compatible with rural development.*
- b) *To retain amenity and the rural landscape in a manner consistent with orderly and proper planning.*

POLICY CONSIDERATIONS

P-DEV-20 Outbuildings and Sea Container's Policy

19. The following assessment is provided of the proposal in respect to the Policy provisions:

	Previous Policy	Revised Policy	Previous Proposal	Revised Proposal
	P-DEV20 Outbuildings Policy Acceptable Design Outcomes	P-DEV20 Outbuildings Policy Acceptable Design Outcomes		
Front Setback	15m	15m	15m	20m
Side Setback (East)	10m	10m	14m	15.4m
Side Setback (West)	10m	10m	30m	28.6m
Wall Height	4m	4m	5.5m	5.5m
Roof Pitch Height	4.8m	4.8m	7.83m	7.83m

Floor Area (Individual Outbuilding)	100m ²	150m ²	160m ² (10m x 16m)	150m ² (10m x 15m)
Floor Area (Aggregate Floor Area)	200m ²	200m ²	160m ²	150m ²

Acceptable Design Outcomes	<ul style="list-style-type: none"> • Compliant with LPS No. 3 setback requirements. • Meet the construction requirements of AS3959-2009 Construction of buildings. (Where located in a bushfire prone area) • Outbuilding(s) located behind the main dwelling alignment and/or will not be directly visible from a street or public space. • Are not located within an area where there is historical evidence of flood waters reaching high levels. • Does not result in the excessive or unnecessary removal of vegetation. • The proposed colours and materials are consistent with the criteria set out in in Table 2 of this policy. • Where tree removal is required, the applicant will be required to plant established trees in replacement at the discretion of the City's Environmental Services Department. • Will not unduly impact on the amenity of an adjoining property owner/occupier.
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20. It is noted that the Policy was reviewed and subsequently adopted by Council in February 2018. The Western Australian Planning Commission (WAPC) have subsequently endorsed the Policy with minor modifications in April 2018. The requested modifications from the WAPC related to the size of outbuildings in R10 zoned land and are not relevant to this proposal.
21. Under the adopted Policy, the allowable floor area for a single outbuilding in the Special Rural zone has been increased to 150m², consistent with the revised proposal. The rationale for increasing the floor areas was to better reflect the domestic storage needs of residents evidenced by the increasing number of applications the City has received for larger outbuildings.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

22. The City assessed the proposal from an Asset Services perspective and no issues were raised given the frontage width of the subject site exceeds 20m and the crossover does not result in excessive or unnecessary removal of vegetation. The proposal is in alignment with the City's Specification for Crossover Construction Information Sheet.

External Referrals

23. The application was advertised to surrounding land owners for a period of 28 days. During the advertising period, the City received two responses to the proposal, both were objections, refer Attachments 4 and 5.
24. The concerns raised during advertising are summarised as follows:
- a) Visual amenity – the outbuilding will impact adjoining neighbours and the existing streetscape;
 - b) The proposal does not comply with P-DEV 20 as it is located forward of the existing dwelling;
 - c) The increased wall and roof pitch height and bulk of the building;
 - d) The glare from the roof will impact on neighbour amenity; and
 - e) Alternative locations behind house, in line with the neighbours existing outbuilding(s), or behind the winter creek are recommended.

FINANCIAL CONSIDERATIONS

25. In the event that Council determines not to support the Section 31 request for reconsideration, the matter will progress to a full hearing of the SAT. Notwithstanding that Council has its own General Counsel, the City will need to engage expert planning witnesses which are likely to incur costs in the vicinity of \$20,000.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

26. *Kalamunda Advancing Strategic Community Plan to 2027*

Priority 3: Kalamunda Develops

Objective 3.1 - To plan for sustainable population growth.

Strategy 3.1.1 - Plan for diverse and sustainable housing, community facilities and industrial development to meet changing social and economic needs.

SUSTAINABILITY

Social Implications

27. Consideration should be given to whether the location, bulk and scale of the proposed outbuilding will unduly impact on the streetscape or amenity of adjoining land owners. This is discussed further in the Officer Comment section of this report.

Economic Implications

28. Nil.

Environmental Implications

29. The applicant is proposing the removal of 10 trees within the subject site. The applicant proposes to revegetate with 11 trees, a mixture of *Eucalyptus wandoo*, and *Corymbia calophylla* (Marri), as well as 44 plants for vegetative screening.

RISK MANAGEMENT CONSIDERATIONS

30.	Risk: The outbuilding will unduly impact on the amenity of the streetscape and adjoining properties.		
	Likelihood	Consequence	Rating
	Possible	Moderate	Medium
	Action/Strategy		
	Ensure that the proposed outbuilding is appropriately setback from boundaries, and appropriate landscape screening is planted.		

OFFICER COMMENT

31. It is noted that all boundary setbacks comply with the requirements of the Scheme and that the verge is vegetated which will partially screen the proposed outbuilding. Additional vegetation is proposed by the applicant through the planting of 55 trees/shrubs to screen the building. The proposed colour and material of green powder coated steel complies with the colour requirements of the Policy and is considered to be complimentary to the landscape character of the area.
32. Since the application was lodged and progressed through the SAT, the Policy has been reviewed and adopted by Council in February 2018 and the WAPC in April 2018. The revised Policy has increased the maximum allowable floor area for a single outbuilding in the Special Rural zone to 150m², which is consistent with the applicant's revised proposal.
33. It is noted that larger outbuildings by virtue of their bulk and scale are not uncommon on small rural landholdings; for example, the adjoining property to the east would exceed the allowable wall and roof pitch. In this regard, it is not considered that the size of the outbuilding will in itself unduly impact on the character the area but it is important to consider the location of the outbuilding and likely impact on the visual amenity of the area. This has been ameliorated through proposed vegetative screening.
34. While it is not generally desirable from a planning perspective to locate an outbuilding forward of the dwelling, the location of the outbuilding is supported for the following reasons:
- The Policy does provide the option to have the outbuilding located forward of the dwelling provided where the structure is not directly visible from the Street. In this instance, the applicant is prepared to undertake screening to the front of property which combined with the existing vegetation will provide the necessary screening over time.
 - The existing dwelling is located approximately 116m from the front lot boundary. If the City were to strictly enforce the locational requirements of

the Policy, this would effectively sterilise the front section of the site from any non-habitable buildings, which is not considered reasonable in this particular instance.

- c) The setbacks of the outbuilding are compliant with the requirements of the Scheme.
 - d) Site visits by the City's officers has confirmed that the site is constrained in terms of topography, drainage, and location of existing vegetation. If the outbuilding were to be moved further to the rear of the site, its location would conflict with an existing creek and wet areas in the centre of the site and/or steep sloping land to the rear. In the event that Council resolves to refuse the application, there would be significant constraints to constructing an outbuilding to an accessible position towards the rear of the site.
35. It is noted that the wall and roof pitch height variations proposed are largely due to the requirement for fill due to the low lying area of the site that was previously used as a drainage easement. Having regard to the sloping nature of the site and the level of the outbuilding when compared to the level of the front of the property at Lewis Road, the floor level of the outbuilding will still be approximately 2 metres below the level of Lewis Road.
36. From a streetscape perspective, it is not considered that the building height variations will result in a significant impact, particularly given the extent of vegetative screening proposed by the applicant.
37. While it is noted that the outbuilding exceeds the wall and roof pitch height under the Policy, the proposed location of the outbuilding represents the least constrained area of land on the site. It is also noted that the topography of the site contributes significantly to the requested variations to the wall and roof pitch height when measured from natural ground level.
38. Through mediation, the applicant has increased the front boundary setback to 20m and proposed additional landscape screening to the property to reduce the visual impact of the proposal to the road and from neighbouring properties. On balance, it is recommended that the application be approved subject to appropriate conditions.

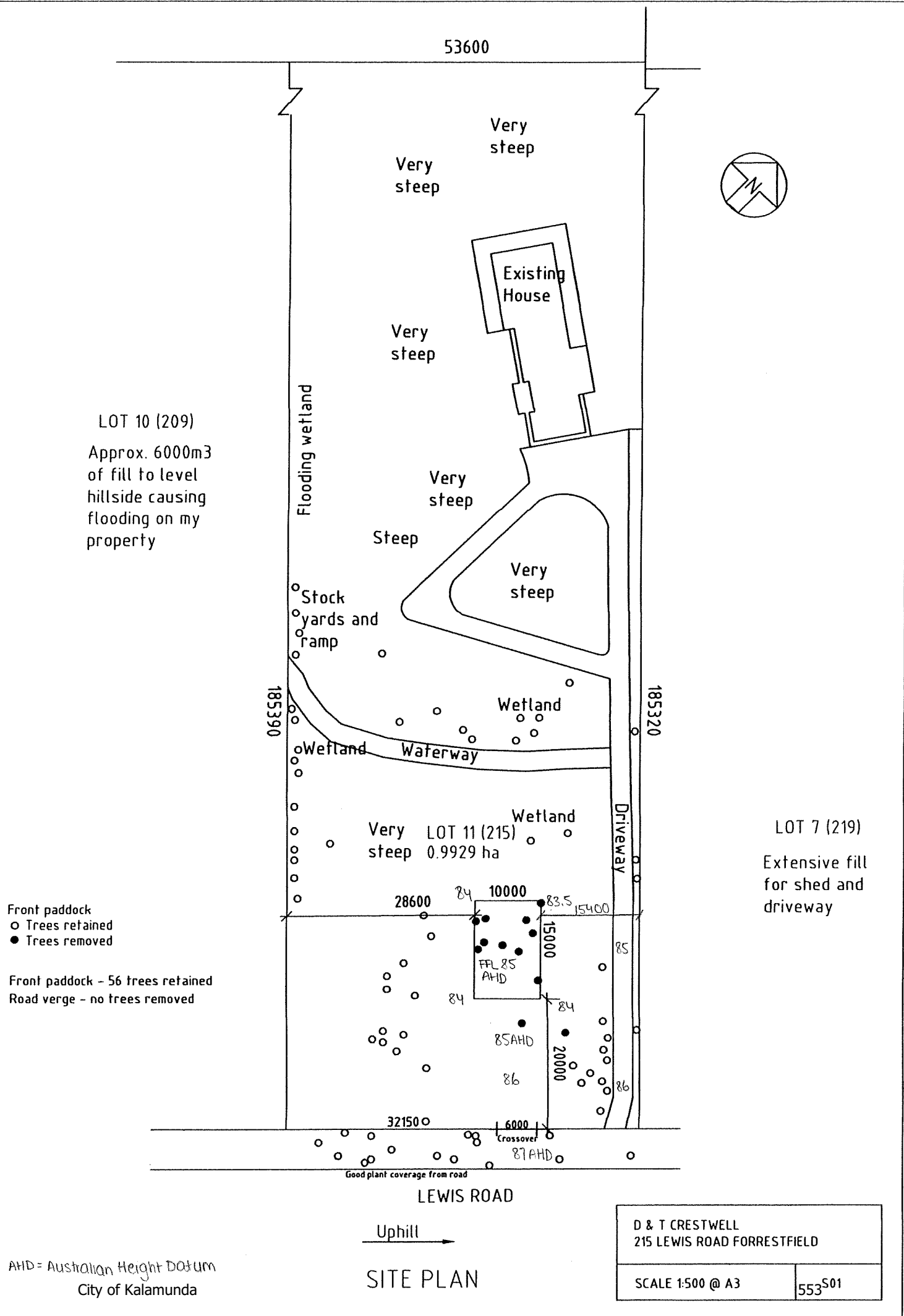
Voting Requirements: Simple Majority

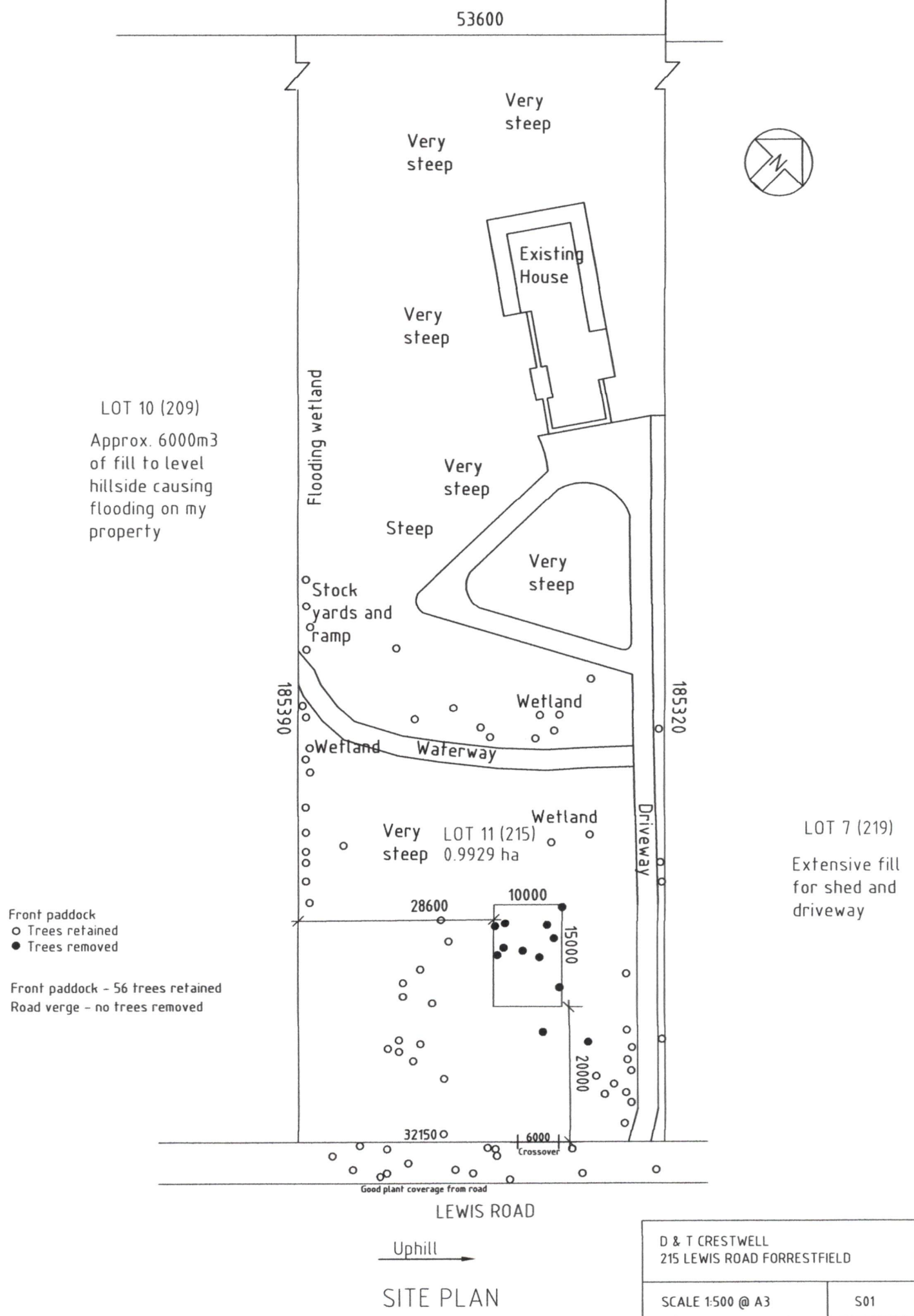
RECOMMENDATION

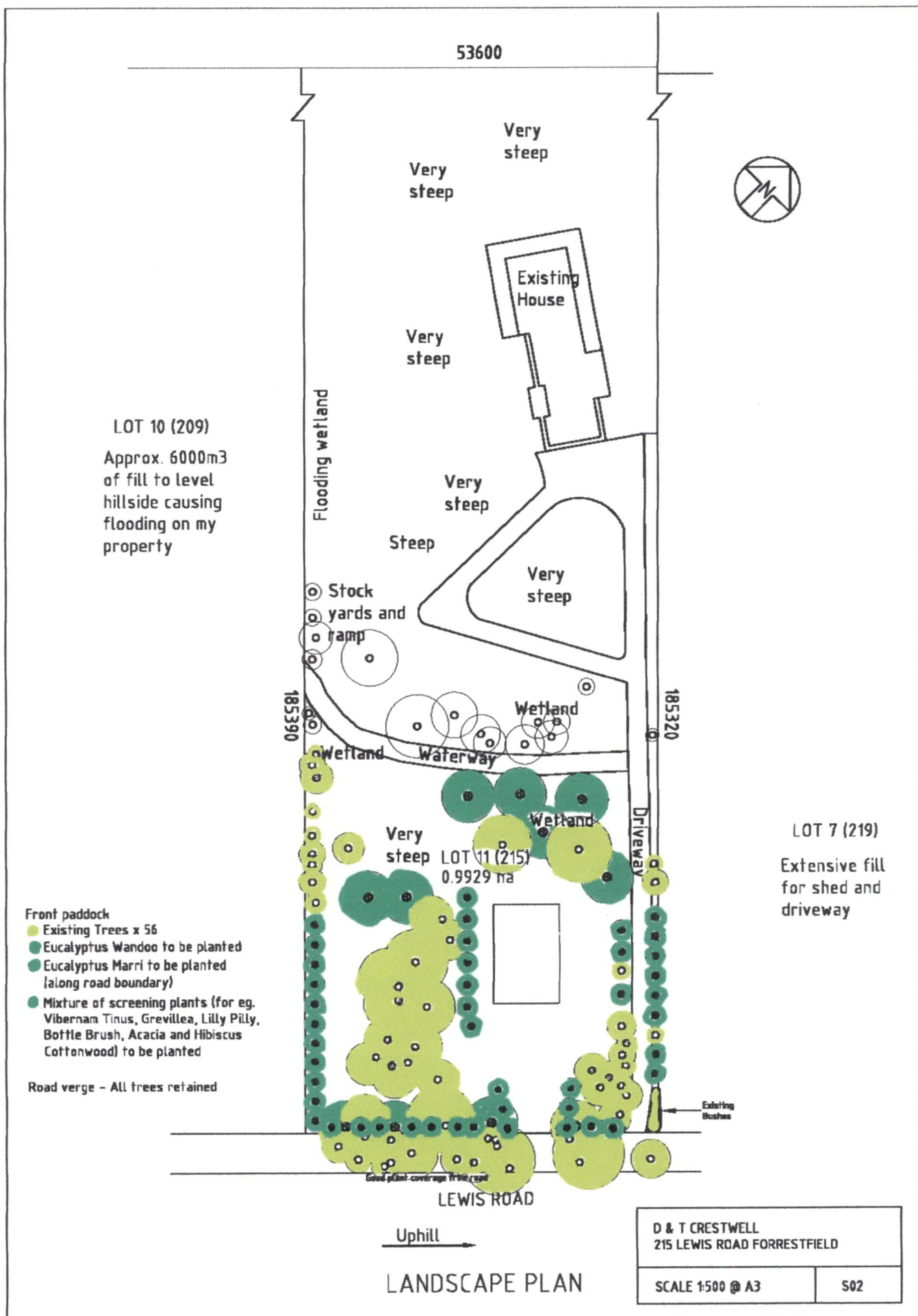
That Council:

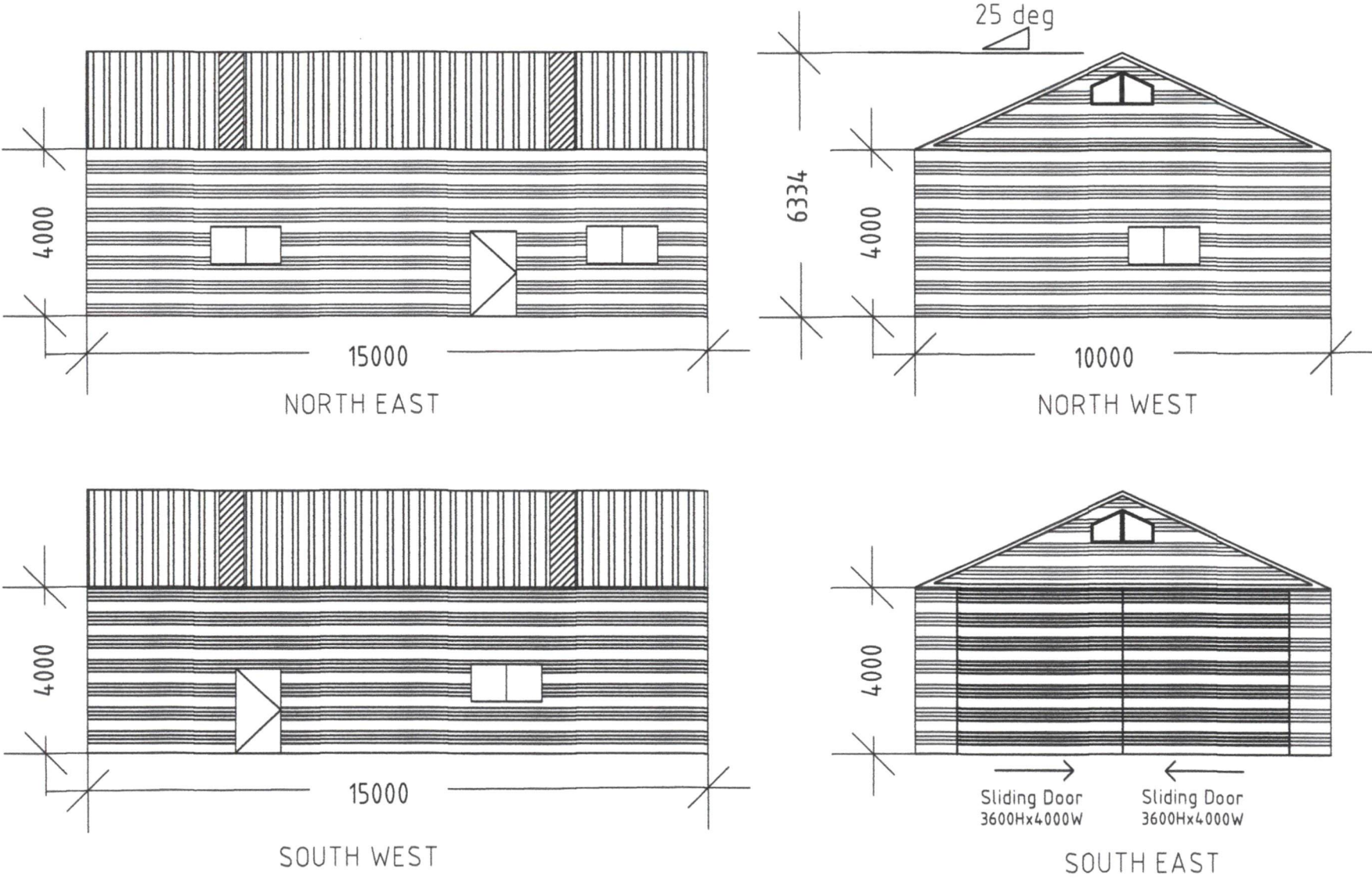
1. Approves the application for an Outbuilding at Lot 11 (215) Lewis Road, Forrestfield subject to the following planning conditions:
 - a) The development shall be carried out only in accordance with the terms of the application as approved herein, and any approved plan.
 - b) The outbuilding shall not be used for habitable, commercial or industrial purposes.

- c) The outbuilding shall be complementary in materials, colours and design with the existing building(s) to the satisfaction of the City of Kalamunda. Details of colours and materials shall be submitted to and approved by the City of Kalamunda, with the submission of a building permit application.
- d) The stormwater being disposed of on-site and/or directed to an appropriate drainage channel and disposed of to the satisfaction of the City of Kalamunda.
- e) Prior to the lodgement of a building permit application, a detailed landscaping and reticulation plan for the subject site shall be submitted to and approved by the City of Kalamunda.
- f) Crossover(s) shall be designed and constructed to the specification and satisfaction of the City of Kalamunda.
- g) Existing verge trees are protected from development works in accordance with AS 4970 (2009) "*Protection of Trees on Development Sites*".



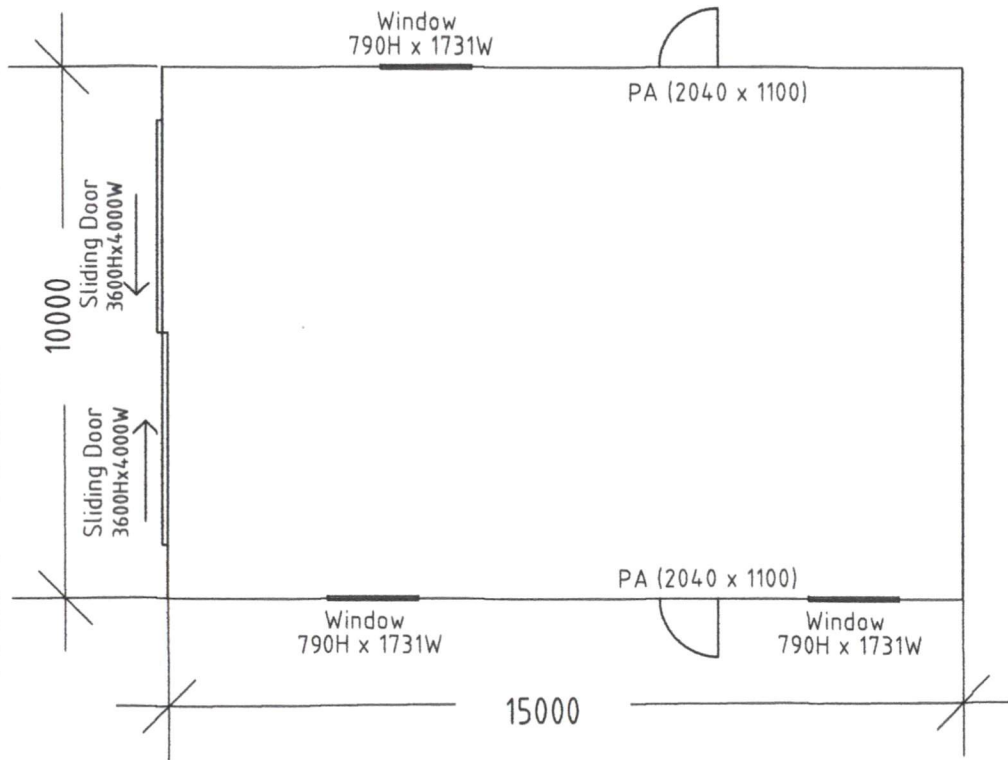




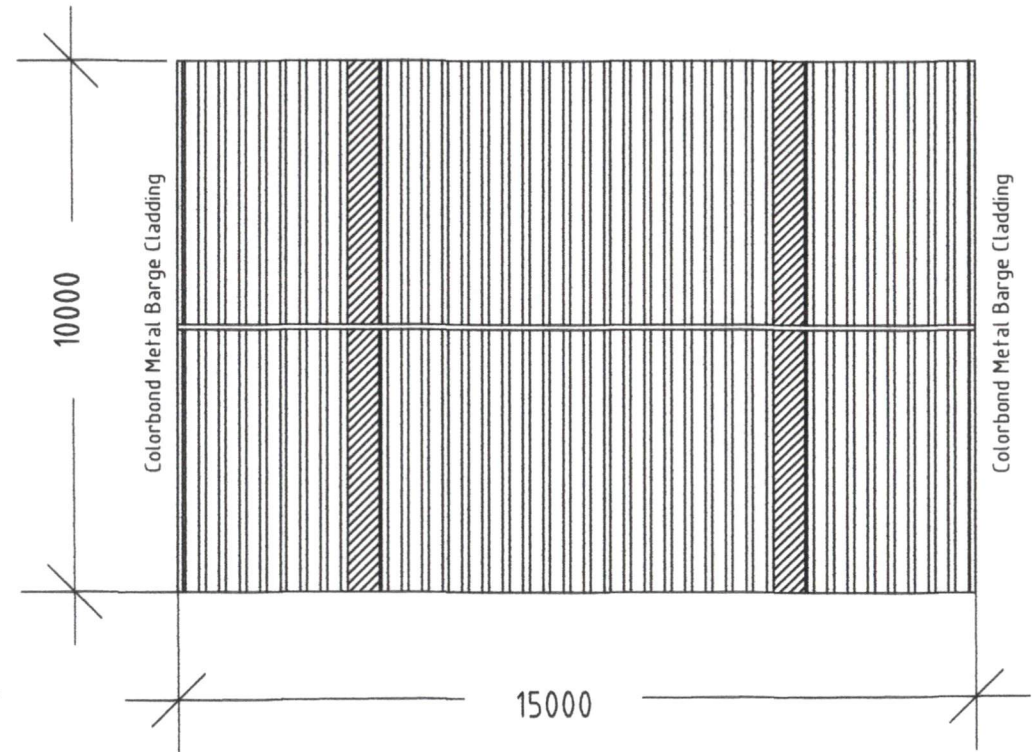


SHED ELEVATIONS

D & T CRESTWELL 215 LEWIS ROAD FORRESTFIELD	
SCALE 1:100 @ A3	556



FLOOR PLAN



ROOF SHEETING PLAN

D & T CRESTWELL 215 LEWIS ROAD FORRESTFIELD	
SCALE 1:100 @ A3	557

Mr Andrew Fowler-Tutt
 Manager - Approval Services
 City of Kalamunda
 PO Box 42,
 KALAMUNDA WA 6926

14 March 2016

Dear Andrew,

Re: Outbuilding Proposal for 215 (Lot 11) Lewis Road Forrestfield.

The outbuilding complies with the City of Kalamunda's P-DEV 20 policy. Therefore as per policy I trust it will be approved without neighbour advertising and going to a Council meeting.

It complies with the City of Kalamunda's P-DEV 20 policy in the following areas:

Location

Vegetation

Tree Removal

Neighbour Amenity

Setbacks

Wall Height - The policy states up to 4m

Roof Pitch - Solar panels and fire safety

Size

Construction Requirements

Colour

Please see below for further details:

Location

The location complies with the City of Kalamunda P-DEV 20 Policy - Table 1. It states for Special Rural the "Outbuilding will not be directly visible from a street or public space."

Not Visible from Street or Public Space:

The City of Kalamunda Planning Department has written they are satisfied with this requirement. This was referenced in the officer support for the proposal. On 21 February 2018 the following was sent to me by the Director Development Services, "... the finished floor level of the outbuilding was to sit approximately 2-3m below the level of Lewis Road. Noting the wording of the acceptable design outcome provision of the Policy, the visual impact of the outbuilding to Lewis Road will be lessened by virtue of the natural ground levels and existing vegetation and therefore I believe satisfies the intent of the design provision. This was referenced in the officer support for the proposal."

Also, as stated in Table 1 of the City of Kalamunda P-DEV 20 policy, the outbuilding is "... not located within an area where there is historical evidence of flood waters reaching high levels."

Vegetation

The outbuilding "does not result in the excessive or unnecessary removal of vegetation."

I propose to plant 55 trees and shrubs to further screen the outbuilding from Lewis Road and the neighbouring properties.

Tree Removal

The proposal complies with Table 1 of the City of Kalamunda P-DEV 20 Policy where it states *"Where tree removal is required, the applicant will be required to plant established trees in replacement at the discretion of the City's Environmental Services Department."*

The outbuilding requires the removal of 12 trees. I propose to plant 55 trees and shrubs to replace the removed trees and further screen the outbuilding from Lewis Road and the neighbouring properties - see attached.

Neighbour Amenity

Table 1 of the City of Kalamunda P-Dev 20 policy states the outbuilding *"Will not unduly impact on the amenity of an adjoining property owner/occupier."*

There are numerous mature trees currently screening the property.

The City of Kalamunda have written they are satisfied with this requirement in their Officer Comment for the D & A Services Committee Agenda - 2 October 2017. Their comments are as follows: *"The applicant also proposes to install 55 new trees/shrubs to assist with screening the subject outbuilding from the Lewis Road and neighbouring properties. On balance, it is recommended that the application be approved....."*

Also, the side setback from the South West neighbour is 29m (in lieu of 10m).

Setbacks

The setbacks are 15m from the north east boundary and 29m from the south west boundary and 20m from the Primary Street. These are compliant with City of Kalamunda P-DEV 20 policy - Table 1 and the LPS No. 3 setback requirements. Only 10m and 15m are required.

Wall Height

Table 1 of the City of Kalamunda P-Dev 20 policy states that the wall height can be 4m.

This is the minimum height needed to fit a motorhome.

In regards to the fill required it states in the City of Kalamunda Office Comments for the D & A Services Committee Agenda - 2 October 2017, 17. c and d: *"The slab height is 2m lower than the road and the nature of fill is consistent with developments on surrounding properties"* and *"The wall height is required to accommodate a motorhome"*.

Roof Pitch

Solar Panels:

The roof pitch is 25 degrees. I propose to install solar panels so the pitch is required. The correct pitch for Perth solar panels is over 31 degrees.

The policy states that: *"Consideration may be given to a proposed roof ridge height above what is prescribed in Table 1 if PVP (Solar) Panels are proposed."*

It states in the City of Kalamunda Office Comments for the D & A Services Committee Agenda - 2 October 2017, 17. e: *"A steeper roof pitch is considered to improve the aesthetics of the building, and will reduce leaf build up and associated fire hazard."*

Fire Danger & Leaf Litter on the Roof:

There are a very large number of eucalypt trees which will surround the shed on all sides - 37 within 20m of the shed. A higher roof angle has been advised to allow leaf litter to slide off the roof, decreasing the fire hazard due to leaf build up.

This is especially important considering an extensive fire previously went through this property. Additionally, the neighbour had a fire that went out of control and onto my property.

Size

The proposed size is 150m². The City of Kalamunda P-DEV 20 policy - Table 1 states up to 150m² for an Individual Outbuilding.

Construction Requirements

These are compliant with City of Kalamunda P-DEV 20 policy - Table 1 and will meet the construction requirements of AS3959-2009 Construction of Buildings (where located in a bushfire prone area).

Outbuilding Colour

The wall colour will be Colorbond Pale Eucalypt and the roof colour will be Colorbond Mangrove. This complies with Table 1 of the City of Kalamunda P-DEV 20 policy where it states, "*The proposed colours and materials are consistent with the criteria set out in Table 2 of this policy.*"

Support Without Neighbour Advertising

We have demonstrated that the proposal complies with Table 1 and Table 2 of the City of Kalamunda's P-DEV 20 policy.

The City of Kalamunda P-DEV 20 Policy states:

3.3 Operation

Outbuildings that comply with the criteria specified in Tables 1 and 2 corresponding to the applicable zone are considered to meet the design principles of the R-Codes and/or development requirements and objectives of the scheme and will be supported without advertising to neighbours for comment.

Please note the following recently built sheds on special rural properties approved by council and do not comply with the policy.



328 Holmes Road Forrestfield

Outbuilding is forward of dwelling alignment AND is in full view of the road.



Hartfield Road Wattle Grove

Outbuilding is forward of dwelling alignment AND is full view of the road.

Neighbouring Properties



219 Lewis Road Forrestfield

Does not comply with the policy - outbuilding has NO neighbour screening at all.
There was no neighbour advertising.



209 Lewis Road Forreestfield

Does not comply with the policy - outbuildings have NO neighbour screening at all.

- outbuildings are 4.5 - 7m from boundary (in lieu of 10m).

There was no neighbour advertising re this location.

FAIR AND REASONABLE

Summary

As the proposal complies with the City of Kalamunda's P-DEV 20 policy it is fair and reasonable that the application be approved without advertising or going to a Council meeting.

I trust this application will not be readvertised for four reasons. First, it complies with the City's policy; second, 219 Lewis Road's (neighbouring property) outbuilding was not advertised at all even though it did not comply with the P-DEV 20 policy regarding size and neighbour amenity; third, 209 Lewis Road's (neighbouring property) outbuilding was not advertised even though it did not comply with setback and neighbour amenity; and fourth, it has already been advertised twice.

As the outbuilding complies with the City's P-DEV 20 policy and no neighbour readvertising is required I also trust it will not be required to go to a Council meeting. It is only fair and reasonable that it is approved straight away.

While I am happy with the Planning Department's recommendation for approval, I have been extremely unhappy with how this has been otherwise handled and the delays especially since it complies with policy and the neighbouring properties have outbuildings that do not comply. Unless this is resolved immediately it will be necessary for me to voice my disappointment of the City of Kalamunda through the local paper "Letters to the Editor" and my journalist friend who has been writing articles for the Community Paper for 25 years.

Yours sincerely,

Terry Crestwell

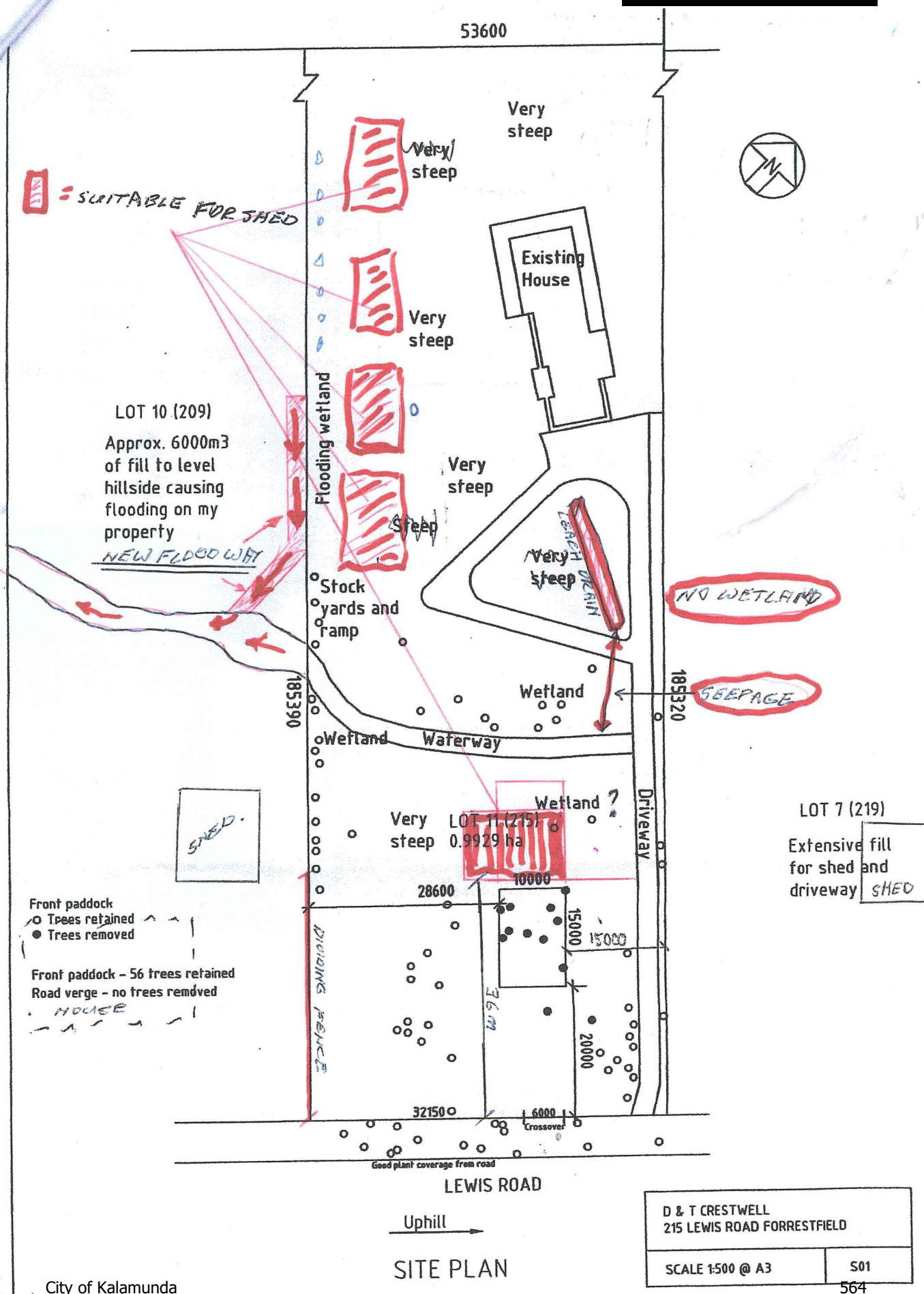


City of Kalamunda

Disclaimer: This map is for informational purposes only and does not constitute a guarantee, warranty, or representation of any kind. The City of Kalamunda and its officers, employees, and agents accept no liability for any loss or damage, whether direct or indirect, arising from the use of this map. © Landgate (2017)

Scale: 1:10,000

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Submitter	Comments	Officer Response
1	The placement of the chosen site will have an impact on us as their neighbour and an eyesore from the road. It will also be very visible from our home and entertainment area.	Impact on neighbour amenity and the existing streetscape is a valid planning consideration. Vegetative screening has been proposed to reduce visual impacts from neighbouring properties and the public realm.
1	We have excavated a flood way from [The applicant's] fence line into our winter creek due to accusations at our own expense. This will eliminate water build up and so-called flooding to his property. This will enable a shed site beside or behind the house according to bylaws and regulations for special rural.	It is noted works have been undertaken to increase the water flow to try and reduce seasonally flooded areas on the property. Officers attending the site in winter found water seeping from the soil near the seasonal creek and understand the position is not suitable for construction of an outbuilding.
1	Compliant with LPS number 3 set back. It may be compliant if his house was at the front or by side setback but it is not.	The proposal is compliant with setback provisions in the Local Planning Scheme No 3. The comment is referring to the Outbuildings and Sea Containers Policy 'Acceptable Design Outcomes' which state: 1. Compliance with LPS No. 3 setback requirements. 2. Outbuilding(s) located behind the main dwelling alignment and/or will not be directly visible from a street or public space.
1	Will be very visible due to oversize from both neighbours and front roadway due to size and height.	The floor area of the outbuilding is 150m ² , which is compliant with the revised P-DEV20 Outbuildings and Sea Containers Policy. The wall height is compliant at 4m, but there is a proposed increased roof pitch height of 6.3m in lieu of 4.8m. The applicant has advised the proposed increased roof pitch is to allow for a 31 degree pitch for solar panels on the roof, and because it is more architecturally pleasing. Vegetative screening has been proposed to reduce visual impacts from neighbouring properties and the public realm.
1	Is within flood or streams only because they have dug a ugly drain around the fence line to exclude original wintercreek and filled it in.	The current proposal is located away from the existing seasonal creek line.

1	It does result in removal of 12 very established Wandoo trees. If it were to be 36 metres back from the road instead of 20 m they would be a buffer from the road and only two trees would be removed. This would be far more acceptable.	Suggested alternative location is noted.
1	The proposed colours of outbuilding are acceptable. The sheer size in front of house and over height (1.5 m higher than maximum allowed). We oppose strongly.	<p>The wall colour is proposed to be 'pale eucalypt' and the roof colour is proposed to be 'mangrove' colorbond.</p> <p>The colours and materials are 'earthy tones' and consistent with P-DEV20 Outbuildings and Sea Containers Policy Table 2 – Materials and Finishes, Outbuildings.</p> <p>The objection to the proposed increased roof pitch is noted.</p>
1	It will impact on our amenities as owner occupiers and subsequently affect value and resale to both Neighbours on either side.	Impact on amenity is noted.
1	Once again we received a plan very biased and uninformative to block and their opinion only. We have continually asked for gradients of land instead of steep, very steep and flood, wetland by a qualified person, as they mislead assessing true layout of the site suitability for a shed assessment.	Noted.
1	<p>If the shed was to be at the front of the dwelling I would agree to it on conditions as follows:</p> <p>1: It be set back in line with other sheds on either side, 36 metres back from the road as the shire made us both do.</p> <p>2: A dividing fence from the road to the front of my shed that is 1.8 m high and of Colorbond (Mist Green.) Installed on Boundary at their cost before construction of the shed. I do not want shrubs as it is a huge fire risk and provides very little privacy. Also no firebreak would be between the fence and the trees and the trees which is essential.</p> <p>3: I do not believe Ridge height of 6.3 m is warranted and needs to be 4.8 as the maximum shire bylaws State. Far less of an eyesore and glare from the roof into our property.</p>	The proposed alternative location is noted.

	<p>4: Outbuilding not to be used as business or for any business purposes. And not to be used to create loud noise or any antisocial behaviour (Jam sessions.)</p> <p>If the outbuilding was to be beside or behind his dwelling I would agree to overheight and allow boundary setback of 3 metres (fire break) not 10 M for Shed from fence line. This would allow enough room before the steep incline.</p>	
1	<p>[The Applicant] claims he cannot build there because it floods. Since I have had a floodway excavated at our expense. To eliminate this from occurring. It is now no longer a problem.</p> <p>Having the shed positioned here would have very little impact on us or passers-by on the roadway. Wetlands can be controlled by a simple subsoil drain if it is wet land. The so-called wetland near the bridge I believe is a failing Leach drain seeping into Waterways.</p>	<p>Works to improve water flow between the properties is noted. The proposed location is well away from the seasonal creekline.</p> <p>Officers attending the site in winter found water seeping from the soil near the seasonal creek and understand the position is not suitable for construction of an outbuilding.</p> <p>The seeping of leach drains into the waterway is a Health consideration and is an aspect to be dealt with separately under <i>The Health Act 1911</i>.</p>
2	<p>We don't object to proposed building as such. We do not agree with the height of the building. Once the earthworks have been done, the height of the proposed building will be excessive. Also the plan submitted is not in our minds professional. The plan will say steep or very steep, why is this not surveyed and the actual heights measured?</p> <p>This does not make any sense at all.</p>	<p>The objection to the proposed increased roof pitch is noted.</p>

10.2.5. Response to Notice of Motion OCM26/2018: Dog Park Feasibility Investigations

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	OCM 26/2018
Directorate	Development Services
Business Unit	Development Services
File Reference	N/A
Applicant	N/A
Owner	N/A
Attachments	1. City of Kalamunda Dog Park Feasibility Investigations [10.2.5.1] 2. Letter from Stephen Price re Dog Park [10.2.5.2]

EXECUTIVE SUMMARY

1. A Notice of Motion (NOM) (OCM26/2018) was carried at the Ordinary Council Meeting of 27 February 2018 (the OCM) which requested the Chief Executive Officer (CEO) investigate the viability and process associated with identifying and creating a fenced dog exercise area including, but not limited to, in the vicinity of the David Street easement in Maida Vale.
2. The City of Kalamunda (the City) has considered the viability and process of creating a fenced dog exercise area and recommends that Council considers the allocation of funds for progression of feasibility investigations as part of the 2018-19 budget deliberations.

BACKGROUND

3. A group of dog owners addressed Council and commented that the existing unfenced dog exercise areas such as Federation Gardens and Jorgensen Park are not entirely suitable for all dogs and the needs of their owners.
4. Residents at the same Council meeting also raised the following issues:
 - a) Concerns about larger dogs injuring smaller dogs.
 - b) Lack of dog agility and obstacle course equipment.
 - c) Decreasing lot sizes, limiting private open space areas for dogs.
 - d) Dogs escaping from unfenced areas.
5. Consequently, a NOM (OCM 26/2018) was carried at the OCM which requested:

"That Council:

1. *Request the Chief Executive Officer to **investigate the viability and process** associated with a fenced dog exercise area including but not limited to in the vicinity of the David Street easement in Maida Vale.*
2. *Request the Chief Executive Officer to bring a report back to Council regarding Point 1 above, no later than the May round of meetings."*

6. The City also recently undertook a comprehensive consultation process through the development of the City's Public Open Space (POS) Strategy. Dog exercise areas were the 9/15 most wanted improvements to the City's POS areas. The broader community see that community infrastructure and park improvements have a greater priority than dog parks.
7. Correspondence was also received from the Member for Forrestfield, Mr Stephen Price (MLA) regarding the potential for a fenced dog exercise area within Fleming Reserve, see Attachment 2. Attached to the correspondence was a petition from thirteen residents.

DETAILS

8. Before investigating the viability of a fenced dog exercise area it is important to consider all the opportunities and constraints of the various recreation and other similar reservations available within the City, including the David Street easement in Maida Vale and Fleming Reserve in High Wycombe.
9. To conduct a full and proper investigation, the first phase involves appropriate site selection investigations and will include, but not be limited to:
 - a) assessment of suitability in relation to parking and accessibility;
 - b) assessment of suitability in relation to size and existing uses within the reservations;
 - c) assessment of suitability to contain the required infrastructure to support a dog exercise area;
 - d) assessment of suitability in relation to potential amenity impacts for immediately surrounding residents;
 - e) assessment of impacts to existing infrastructure / assets and vegetation on the subject reservations;
 - f) workshop and consultation with the City's technical teams on the initial outcomes of the site analysis;
 - g) consultation with Council on the preferred site; and
 - h) identification of the preferred site.
10. Subject to the outcomes of the first phase, the second phase will include a detailed site investigation and 'fatal flaw' analysis of the preferred location identified. This will include, but not be limited to:
 - a) Site Analysis (as relevant):
 - i. Topography
 - ii. Assets
 - iii. Bushfire
 - iv. Utilities / Easements
 - v. Environment
 - vi. Summary of general observations
 - b) Context Analysis
 - c) Indicative / Preliminary Design Concept
 - d) Recommendations
 - i. Landscape design considerations
 - ii. Environmental
 - iii. Servicing / Infrastructure
 - iv. Any other considerations

- e) Workshop and consult with the City's technical teams on the site investigations. Make modifications as appropriate.
 - f) Consult with Council on the site investigations. This will be undertaken via a Strategic Briefing Session. Make modifications as appropriate.
11. The third phase of the investigations will include the preparation of a detailed landscape concept design and associated cost estimates. The City will also prepare a detailed communications and consultation strategy to ensure community input is obtained and assimilated into the design.
12. As a guide, the key components of the detailed landscape concept will include:
- a) Perimeter fencing
 - b) Car parking (off-street)
 - c) Entry gate / doggy airlock
 - d) Service (maintenance) gates
 - e) Pathways (internal and external)
 - f) Ground surfaces (e.g. grass, mulch, gravel, sand, concrete)
 - g) Landscaping (e.g. vegetation, screen planting, mounding, exercise equipment and facilities).

STATUTORY AND LEGAL CONSIDERATIONS

13. *Section 31.1 of the Dog Act 1976 states, a dog may only be in a public place when it is either:*
- held by person capable of controlling it; or
 - when it is securely tethered.
14. In addition to *Section 31.1*, *Section 32 of the Dog Act 1976 states a dog shall not be in a dog exercise area or public place unless "it is being supervised by a competent person who is in reasonable proximity to the dog".*
15. *Section 31.3A Dog Act 1976 permits a local government, by an absolute majority as defined in the S1.4 Local Government Act 1995, to specify a public place that is under the care, control or management of the local government to be a dog exercise area.*
16. *Section 31.3C Dog Act 1976 requires a local government to give public notice, as defined in S1.7 Local Government Act 1995, for period of not less than 28 days, of their intention to make a place a dog exercise area.*
17. *Section 31.5 Dog Act 1976 requires a local government, "must specify ... such dog exercise areas as are, in the opinion of the local government, sufficient in number, and suitable, for the exercising of dogs in the district."*
18. *Section 1.7 Local Government Act 1995 local public notices must be:*
- *published in a newspaper circulating generally throughout the district; and*
 - *exhibited to the public on a notice board at the local government's offices; and*
 - *exhibited to the public on a notice board at every local government library in the district.*

POLICY CONSIDERATIONS

19. There are currently no policies relating to dog exercise areas.
20. As the project progresses, the City will consider the development of a policy to guide decision making and regulating the requirements of the proposed and future dog exercise areas.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

21. The scope of works detailed in Attachment 1 has been prepared with input from various teams within the City to ensure appropriate aspects of the proposal are covered within the scope.

External Referrals

22. The City recently undertook a comprehensive consultation process through the development of the City's POS Strategy, which included a questionnaire regarding the City's existing local recreation facilities. A total of 113 responses were received.
23. Notable feedback received from the community during this consultation process relating to dog exercise areas included:
 - a) Dog walking was ranked as the fifth of 10 most liked activities within the City's Public Open Space (POS) areas.
 - b) Dog issues (no fenced areas and owners disobeying reserve rules / restrictions) was the seventh of 10 most disliked issues associated with the City's sports reservations.
 - c) Dog exercise areas were the ninth of 15 most wanted improvements to the City's POS areas.
24. One resident made the following statement:

'So many unused grassed areas that could be used as an enclosed dog park. The closest ones currently are Inglewood and Aveley.'
25. As discussed in Point 11 of this report, the City will prepare a detailed communications and consultation strategy to ensure community input is assimilated into the design should the project be progressed.

FINANCIAL CONSIDERATIONS

26. It is recommended that Council provide an initial budget allocation of \$15,000 as part of the 18-19 budget to undertake a detailed concept landscape design as specified within Phase 3 of the scope of works outlined in Attachment 1.
27. This project has not been identified within the City's current budget and as such it is recommended to be deferred for consideration as part of the 18/19 budget deliberations.

28. In relation to the cost of future construction, this will be identified as part of the detailed landscape concept and through the feasibility investigations. Indicative infrastructure components of the construction are discussed at Point 12 of this report. Discussions with land developers who have constructed contemporary facilities (high spec) in new estates indicate an approx. budget amount of \$500,000 inclusive of car parking infrastructure. The final estimates are dependent on the scale of infrastructure involved and the site selected as part of the feasibility investigations. There are varying scales of dog parks and Council need to provide guidance on this as part of the feasibility investigation process.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

29. *Kalamunda Advancing Strategic Community Plan to 2027*

Priority 1: Kalamunda Cares and Interacts

Objective 1.2 - To provide a safe and healthy environment for community to enjoy.

Strategy - 1.2.3 Provide high quality and accessible recreational and social spaces and facilities.

Strategy 1.2.2 - Advocate and promote healthy lifestyle choices by encouraging the community to become more physically active.

Strategy - 1.2.1 Facilitate a safe community environment.

SUSTAINABILITY

Social Implications

30. Dog exercise areas can reduce the likelihood of dog owners letting their dog's off-leash in other recreational areas and infringing on the rights of other community residents and park users. They can also provide opportunities to educate dog owners about animal health and welfare and dog park etiquette.
31. Dog exercise areas can provide opportunities for dogs to have frequent interaction with other dogs and people. Dogs that are well socialised and exercised are healthier and happier as well as less likely to be aggressive.
32. Dog parks can provide a public space where dog owners can interact with each other and form community bonds. Dogs can act as a social catalyst, with owners more likely to exchange favours with neighbours, to be involved in community issues and develop higher levels of social capital.
33. Residents may object to the dog exercise park due to potential local amenity issues, which may include:
- a) Potential noise and odour problems.
 - b) Parking congestion in residential streets.
 - c) Dogs off-leash when walking to and from the dog exercise park.

Economic Implications

34. A trip to the dog park is a free outdoor activity where the family can take both their children and their pet (provided they are both under supervision by adults).
35. Construction of the dog park will be a key consideration at the conclusion of the feasibility investigations. Construction of the dog park needs to be balanced against other recreational priorities including the implementation of various Master Plans across the City's recreational facilities.

Environmental Implications

36. Good control and design of dog exercise parks can reduce the incident of dog faeces in parks and on footpaths.
37. Environmental factors will be a consideration of the feasibility investigations, with particular reference to site selection.

RISK MANAGEMENT CONSIDERATIONS

38.	Risk: Aggressive dog causes harm to people or other animals at the dog exercise area		
	Likelihood	Consequence	Rating
	Almost Certain	Moderate	High
	Action/Strategy		
	a) Display dog exercise area rules on easy to read signage. b) Regular patrols of the dog exercise area by City Rangers. c) Community education on dog etiquette when using a dog exercise area. d) Design criteria can assist with a variety of spaces for different users, allowing dog owners to choose appropriate space for their dog's temperament.		
	Risk: Dog faeces are not well managed, resulting in odour and/or public health concerns		
	Likelihood	Consequence	Rating
	Likely	Moderate	High
	Action/Strategy		
	a) Display dog exercise area rules on easy to read signage. b) Education program to advise dog owners of appropriate etiquette. c) Dog exercise areas have sufficient waste disposal sites to encourage owners to collect dog faeces.		
	Risk: Dog exercise park contributes to spread of dog viruses, such as parvo-virus		
	Likelihood	Consequence	Rating
	Likely	Moderate	High
	Action/Strategy		
	a) Display dog exercise area rules on easy to read signage. b) Dog exercise areas have sufficient waste disposal sites to encourage owners to collect dog faeces. c) Design of the area considers the spread of dog viruses and makes appropriate choices about landscape and assets to minimise infection.		

OFFICER COMMENT

39. Based on consultation undertaken as part of the City's POS Strategy, there appears to be some community interest in the development and provision of dog exercise areas. This comes from both dog users and other park users, particularly sporting groups.
40. The creation of a dog exercise area requires careful planning and consideration to ensure it reflects the current and future needs of the City's residents. The nature and scale of the dog exercise area also needs to be well defined to inform budget estimates and infrastructure requirements.
41. It is important that appropriate feasibility investigations are undertaken to inform site selection and design and give consideration to the asset management and maintenance requirements of the facility. There are varying scales of dog parks and Council need to provide guidance on this as part of the feasibility investigation process.
42. Dog exercise areas can reduce the likelihood of dog owners letting their dog's off-leash in other recreational areas and infringing on the rights of other community residents and park users. They can also provide opportunities to educate dog owners about animal health and welfare and dog park etiquette.
43. Research into existing dog parks within the metropolitan region indicates the majority of park users drive to dog parks. This highlights that car parking is key matter for consideration as part of the design process.
44. An appropriately sized off-street parking facility will form part of the design considerations. The transition from the car park to the designated entrance of the dog park needs to be direct and safe. Locating off-street parking as close as possible to the dog park entrance is important in order to discourage owners letting their dog off-leash to and from the fenced areas of the park.
45. It is recommended that Council note the information contained within the report in response to the NOM (OCM 26/2018) and considers the allocation of funds for progression of the project as part of the 2018/19 budget deliberations.

Voting Requirements: Simple Majority

RECOMMENDATION

That Council:

1. Note the information contained within the report in response to Notice of Motion (OCM 26/2018).
2. Considers the allocation of funding for the project as part of the 2018-19 budget deliberations.

Date:	14 May 2018
Officer:	PV / VM

City of Kalamunda

Dog Exercise Area Feasibility Investigations

Purpose

1. Prepare an opportunities and constraints analysis of existing recreation and similar reservations within the City, including the David Street easement in Maida Vale and Fleming Reserve for the purpose of identifying a potential dog exercise area.
2. Subject to the outcomes of Point 1, prepare a detailed site investigation report and 'fatal flaw' analysis for the preferred reservation.
3. Subject to the successful completion of Point 2, prepare a landscape concept design and associated cost estimate for the potential dog exercise area.

Background

Notice of Motion

A Notice of Motion (*OCM26/2018*) was carried at the Ordinary Council Meeting of 27 February 2018 which requested:

That Council:

1. Request the Chief Executive Officer to **investigate the viability and process** associated with a fenced dog exercise area including but not limited to in the vicinity of the David Street easement in Maida Vale.
2. Request the Chief Executive Officer to bring a report back to Council regarding Point 1 above, no later than the May round of meetings.

Community Feedback / Requirements

Some dog owners within the City of Kalamunda (the City) have indicated that the unfenced dog exercise areas such as Federation Gardens and Jorgensen Park are not entirely suitable for all dogs and the needs of their owners.

Some issues raised by dog owners include but are not limited to:

- Concerns about larger dogs injuring smaller dogs.
- Lack of dog agility and obstacle course equipment.
- Decreasing lot sizes, limiting private open space areas for dogs.
- Dogs escaping from unfenced areas.

The City recently undertook a comprehensive consultation process through the development of the City's Public Open Space Strategy, which included a questionnaire regarding the City's existing local recreation facilities. A total of 113 responses were received.

Notable feedback received during this consultation relating to dog exercise areas includes but is not limited to:

1. Dog walking was ranked as the 5/10 most liked activities within the City's Public Open Space (POS) areas.
2. Dog issues (no fenced areas and owners disobeying reserve rules / restrictions) was the 7/10 most disliked issue associated with the City's sports reservations.
3. Dog exercise areas were the 9/15 most wanted improvements to the City's POS areas.

One particular resident made the following statement:

'So many unused grassed areas that could be used as an enclosed dog park. The closest ones currently are Inglewood and Aveley.'

Correspondence was also received from the Member for Forrestfield, Mr Stephen Price (MLA) regarding the potential for a fenced dog exercise area within Fleming Reserve. Attached to the correspondence was a petition from thirteen residents.

Work to Date

1. Comprehensive analysis of local POS as part of the City's Public Open Space Strategy.
2. Consultation with the community on the City's POS through the Public Open Space Strategy.
3. The City has prepared a list of preliminary issues that are required to be considered regarding a Dog Exercise Area.
4. Staff have undertaken documented site visits to well established and new dog exercise areas within the metropolitan region.

Scope of Works

1. Prepare an opportunities and constraints analysis of existing recreation and similar reservations, including the David Street easement in Maida Vale, for the purposes of identifying a potential dog exercise area.
 - a. The analysis will include but not be limited to:
 - i. Suitability in relation to parking and accessibility.
 - ii. Suitability in relation to size and existing uses within the reservations.
 - iii. Suitability to contain the required infrastructure to support a dog exercise area, having regard for but not limited to the matters highlighted in the "Issues to Consider" File Note.
 - iv. Suitability in relation to potential amenity impacts for immediately surrounding residents.
 - v. Impacts to existing infrastructure and vegetation on the subject reservations.
 - b. Workshop and consult with the City's internal working group on the site analysis. Undertake modifications as appropriate.
 - c. Consult with Council on the preferred site. This will be undertaken in the evening during a Strategic Briefing Session. Undertake modifications as appropriate.
2. Subject to the outcomes of Point 1, prepare a detailed site investigation report and 'fatal flaw' analysis for the preferred reservation.
 - a. The investigations will include (where appropriate):
 - i. Site Analysis:
 1. Topography
 2. Assets
 3. Bushfire (if relevant)
 4. Utilities / Easements
 5. Environment
 6. Summary of general observations
 - ii. Context Analysis
 - iii. Indicative / Preliminary Design Concept (biotope style)
 - iv. Recommendations
 1. Landscape design considerations
 2. Environmental

3. Servicing / Infrastructure
 4. Any other considerations
-
- b. Workshop and consult with the City's internal working group on the site investigations. Make modifications as appropriate.
 - c. Consult with Council on the site investigations. This will be undertaken in the evening during a Strategic Briefing Session. Make modifications as appropriate.
-
3. Subject to the successful completion of Point 2, prepare a landscape concept design and associated cost estimate for the potential dog exercise area.
 - a. Workshop and consult with the City's internal working group on site concept. Make modifications as appropriate.
 - b. Consult with Council on the concept. This will be undertaken in the evening during a Strategic Briefing Session. Make modifications as appropriate.

Relevant Documentation:

- City of Kalamunda - Public Open Space Strategy
<http://www.kalamunda.wa.gov.au/files/2ec48ed8-e0c1-4af6-bb6e-a82600bd233e/Item-829-Att-1-PAB-14-November-2017.pdf>
- Public Open Space Strategy Consultation Outcomes Summary Report
- Preliminary Analysis of 'Issues to Consider' regarding Dog Exercise Areas

Stephen Price MLA

MEMBER FOR FORRESTFIELD

Forrestfield, Goosberry Hill, High Wycombe, Kenwick, Kewdale, Maddington,
Maida Vale, Orange Grove and Wattle Grove.

Office Address: Shops 7 & 8
High Wycombe Shopping Centre
530 Kalamunda Road
High Wycombe WA 6057

Postal Address: PO Box 2192
High Wycombe WA 6057

 08 9454 6415

 Stephen.Price.MLA@mp.wa.gov.au

 Stephen Price MLA

Rhonda Hardy
CEO
City of Kalamunda
PO Box 42
KALAMUNDA WA 6926

Dear Rhonda

DOG EXERCISE AREA

I write in regard to the City of Kalamunda Council decision on the 27th of February 2018 requesting the CEO to investigate and report back to Council no later than May 2018, the viability and process associated with a fenced dog exercise area, including but not limited to, in the vicinity of the David Street easement in Maida Vale.

I have been contacted by a number of High Wycombe residents regarding the establishment of a fenced dog exercise area within Fleming Reserve. Please find attached a copy of a petition instigated and signed by residents in support of this. I request, that as part of the resolution approved by Council referred to above, that Fleming Reserve is also investigated as a potential site for any future potential dog exercise area within the City of Kalamunda.

Should you require any further information or assistance, please do not hesitate to contact my office.

Yours sincerely



Stephen Price MLA
MEMBER FOR FORRESTFIELD

1 May 2018



Brian Jonathan Anthony & Lavneeta Natyala
8 Eagle Court
High Wycombe 6057 WA
043061349
brianjonathananthony@gmail.com

Date: 23/3/2018

Mr Stephen James Price
Member for Forrestfield Australian Labor Party
PO Box 2192
High Wycombe 6057
stephen.price@mp.wa.gov.au

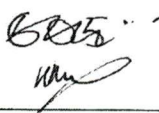

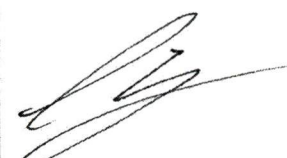





Dear Stephen,

On behalf of the many dog owners located around Fleming reserve in High Wycombe we would like to propose a fenced dog exercise area at Fleming reserve. I have met many people while walking their dogs and they have indicated that they will support the idea. Please find attached signed petition that supports the idea.

We hope you take this request into consideration and we look forward to a reply from you.

Regards
Brian And Lavneeta
8 Eagle Court
High Wycombe 6057 WA
043061349

Signed Petition in Support for A Fence Dog Exercise Area High Wycombe

Name	Address	Signature
1. Kathryn Revnoch	3 Sorensen Rd High Wycombe	
2. Letisha Polanco	2 Bellbird Ct High Wycombe	
3. STAN ZIELENSKI	12 FALCON COURT HIGH WYCOMBE	
4. MISSY DRAVEN	12 Falcon Court High Wycombe	
5. TREVON FORTES	2 OTWAY CRESENT HIGH WYCOMBE	
6. JOWAN MANN	31 MARSHALL RD HIGH WYCOMBE	
7. Nadia Elwatt	49 Walker Crescent High Wycombe	
8. ARTHUR KOWALSKI	6A WARNER RD HIGH WYCOMBE	

Signed Petition in Support for A Fence Dog Exercise Area High Wycombe

Name	Address	Signature
9. CAROLYN CHONG	6A WARNER ROAD HIGH WYCOMBE	
10. R. Gearing	59 Durant Way High Wycombe	
11. Roz Fletcher	37 Marsden Rd High Wycombe	
12. Valinda Mufburg-Siddons		211 Maida Vale Rd.
13. Nikki James	211 Maida Vale Rd	
14.		
15.		
16.		

10.3. Office of the CEO Reports

10.3.1. Request for Change of Name - Reserve 29873 - 39 Sanderson Road, Lesmurdie

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	OCM 109/2013
Directorate	Office of the CEO
Business Unit	Chief Executive Officer
File Reference	SN-01/039
Applicant	N/A
Owner	N/A

EXECUTIVE SUMMARY

1. To support a request for a portion of Reserve 29673 at 39 Sanderson Road, Lesmurdie currently named "Willoughby Park" to be renamed Barrie Oldfield Park.
2. In 2013 then local resident, Barrie Oldfield, registered a Friends Group with the City and the aim of the group was to preserve and maintain this naturally vegetated Reserve. The City supported the naming of the Reserve as Willoughby Park and this was accepted by Landgate.
3. It is recommended Council support further investigation into renaming the Reserve in recognition of Barrie Oldfield's contribution.

BACKGROUND

4. Willoughby Park has an area of 2,732sqm and forms part of Reserve 29673. It is located on the corner of Sanderson and Willoughby Roads, Lesmurdie and abuts the Sanderson Road Shopping Centre.
5. In August 2013 the City endorsed and requested approval of the name "Willoughby Park" to Landgate's Geographic Names Committee (OCM 109/2013). The Geographic Names Committee approved the name on the basis it had no objections to the park being named after the street on which it is located.

DETAILS

6. To change the name of the Reserve from Willoughby Park to Barry Oldfield Park the name change must be forwarded to Landgate for initial advice.
7. Preliminary discussions with Landgate have indicated Landgate would not be supportive of the name change. A key reason being when a Reserve is named the intention is for that name to be enduring. If approved by Landgate the City will likely charge a fee for 'unnecessary name change'.
8. For the name change of Barry Oldfield Park to be considered, information will need to be provided on the person's contribution to the community. If

Landgate is of the opinion the person did not make a significant enough contribution they will not approve the name change.

STATUTORY AND LEGAL CONSIDERATIONS

9. The name must adhere to the requirements of *Policies and Standards for Geographical Standards for Geographical Naming* in Western Australia.

POLICY CONSIDERATIONS

10. The City does not have a policy for the naming of Reserves.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

11. Not required.

External Referrals

12. The City would be required to undertake public consultation as to the community's support of a name change. Support for the name would be required for Landgate to give consideration to the proposal.

FINANCIAL CONSIDERATIONS

13. Landgate may charge the City if a name change is supported.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

14. *Kalamunda Advancing Strategic Community Plan to 2027*

Priority 1: Kalamunda Cares and Interacts

Objective 1.2 - To provide a safe and healthy environment for community to enjoy.

Strategy - 1.2.3 Provide high quality and accessible recreational and social spaces and facilities.

SUSTAINABILITY

Social Implications

15. Nil.

Economic Implications

16. Nil.

Environmental Implications

17. Nil.

RISK MANAGEMENT CONSIDERATIONS

18.	Risk: Landgate does not support the change of name from Willoughby Park to Barrie Oldfield Park.		
	Likelihood	Consequence	Rating
	Likely	Insignificant	Medium
	Action/Strategy		
	Expectation of name change happening to be managed within the Community.		
	Risk: Community or family may not agree with the change.		
	Likelihood	Consequence	Rating
	Possible	Significant	High
	Action/Strategy		
	Undertake broader community consultation.		

OFFICER COMMENT

19. The City has no objection to the name being changed to honour the contribution made by Mr Oldfield within the local Lesmurdie Community.
20. The change of name was initially instigated by the Lesmurdie Residents Association. As this group is no longer in operation it would not be possible to get their endorsement.
21. City staff have contacted the Men of the Trees, of which Mr Oldfield was a member. The Men of the Trees are supportive of the change of name.
22. The family of Mr Oldfield have not yet been consulted and it would be essential that the city gain their support before embarking on any name changes.

Voting Requirements: Simple Majority

RECOMMENDATION

That Council:

1. Request the Chief Executive Officer to undertake community consultation on the change of name for Reserve 29673 at 39 Sanderson Road, Lesmurdie currently named "Willoughby Park" to be renamed Barrie Oldfield Park and report the outcome to Council.

10.3.2. Kalamunda Arts Advisory Committee - Recommendations

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	OCM 260/2017
Directorate	Office of the Chief Executive Officer
Business Unit	Office of the Chief Executive Officer
File Reference	CO-CEV-005
Applicant	
Owner	

EXECUTIVE SUMMARY

1. To consider the recommendations of the Kalamunda Arts Advisory Committee (KAAC).

BACKGROUND

2. Council has approved the establishment, pursuant to the provisions of section 5.8 of the *Local Government Act 1995* (the Act), of the KAAC including its Terms of Reference.

DETAILS

3. At a meeting of KAAC on 19 April 2018 several recommendations were made for consideration by Council.
4. The Terms of Reference of KAAC permit a total of ten full members comprising:
 - a) one Councillor;
 - b) five members of the Arts Community who are practising in fine arts within the City (ranging disciplines);
 - c) two members of the community who are practising in performing arts within the City; and
 - d) two members from Community Arts Groups within the City.
5. Currently there are only eight members of the committee. There remain two vacancies on the Committee, one of which is for a member of a Community Arts Group within the City. The Committee requests that the following three community members be endorsed as members of the KAAC.
 - a) Briony Bray is a member of the Kalamunda Senior High School Gifted and Talented art student group.
 - b) Tammi Lal of Wattle Grove is the organiser of the Foothills Unearthed community events.
 - c) Carol Innes of Forrestfield has a strong background in strategic arts, having worked for the Department of Culture and Arts, Artsource, Perth Festival and the Metropolitan Redevelopment Authority.
6. The Committee has prioritised actions that it regards as achievable during the 2018/19 financial year. The Committee requests consideration for funding for consideration in the 2018/2019 budget for these projects.

7. **Recommendations by the Kalamunda Art's Advisory Committee**

1. That Council lists for consideration in the 2018/19 budget the following items:
 - i) Funding to undertake the development of an Arts Strategy.
 - ii) Funding to undertake an operational effectiveness review of the Kalamunda Performing Arts Centre, the Perth Hills Visitor Centre and Zig Zag Art Gallery
2. That Council notes the Kalamunda Arts Advisory Committee supports the development of the City of Kalamunda branding strategy and requests that Council extends the timeframe to complete the strategy by three months in order for the Committee to participate in the creative process and project development.
3. That Council endorse Briony Bray, Tammi Lal and Carol Innes as members of the Kalamunda Arts Advisory Committee.

Moved: **Gordon Mitchell**
Seconded: **Johannes Pannekoek**
Vote: **Carried Unanimously**

STATUTORY AND LEGAL CONSIDERATIONS

8. Sections 5.8, 5.9 and 5.10 of the *Local Government Act 1995*.

POLICY CONSIDERATIONS

9. Nil.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

10. Nil.

External Referrals

11. Community engagement has not been undertaken with respect to this Report.

FINANCIAL CONSIDERATIONS

12. There will be an increase in the operational expenditure if funding is approved for the items listed under Item 7 above.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

13. *Kalamunda Advancing Strategic Community Plan to 2027*

Priority 1: Kalamunda Cares and Interacts

Objective 1.3 - To support the active participation of local communities.

Strategy 1.3.2 - Encourage and promote the active participation in social and cultural events.

SUSTAINABILITY

Social Implications

14. It is not expected that there will any negative social impacts from the recommendations.

Economic Implications

15. Nil.

Environmental Implications

16. Nil.

RISK MANAGEMENT CONSIDERATIONS

17.	Risk: Request for actions not approved by the Council.		
	Likelihood	Consequence	Rating
	Unlikely	Minor	Low
	Action/Strategy		
	Actions approved by Council to support the objectives of the Committee.		

OFFICER COMMENT

18. Funding to develop an Arts Strategy will assist the Committee to obtain information that will enable it to focus its priorities.

Funding for an external operational review of cultural facilities will assist the Committee to advise on appropriate management models and consider operational efficiencies.

Voting Requirements: Absolute Majority

RECOMMENDATION

That Council:

1. Lists for consideration in the 2018/19 budget the following items:
 - a) Funding to undertake the development of an Arts Strategy.
 - b) Funding to undertake an operational effectiveness review of the Kalamunda Performing Arts Centre, the Perth Hills Visitor Centre and Zig Zag Art Gallery

2. Notes the Kalamunda Arts Advisory Committee supports the development of the City of Kalamunda branding strategy and requests that Council extends the timeframe to complete the strategy by three months in order for the Committee to participate in the creative process and project development.
3. Endorse Briony Bray, Tammi Lal and Carol Innes as members of the Kalamunda Arts Advisory Committee.

10.4. Chief Executive Officer Reports

10.4.1. Kalamunda Aged Care Advisory Committee - Recommendations May 2018

Declaration of financial / conflict of interests to be recorded prior to dealing with each item.

Previous Items	N/A
Directorate	Office of the CEO
Business Unit	Chief Executive Officer
File Reference	N/A
Applicant	N/A
Owner	N/A

Attachments	1. KACAC Terms of Reference - Reveiwed May 2018 [10.4.1.1]
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EXECUTIVE SUMMARY

1. To consider the recommendations of the Kalamunda Aged Care Advisory Committee (KACAC).
2. The KACAC meets quarterly to provide advice to council on issues, trends and other matters in relation to aged care services.
3. At the meeting of the KACAC held on 2 May 2018 several motions were passed and are now presented to the Council for consideration.

BACKGROUND

4. Council established the Kalamunda Aged Care Advisory Committee in 2015 in response to the critical shortage in aged care beds in the City.

DETAILS

5. At its Ordinary Meeting in March 2018 the City resolved (OCM 40/2018) to agree to in principle support of holding a Retirement Living Community Conference.
6. The resolution also referred the concept of a Retirement Living Community Conference to the KACAC for advice on the proposal.
7. At its meeting held on 2 May 2018 the KACAC moved a motion in support of the City giving consideration to hosting a community forum to inform and update the community.

MOTION

The Kalamunda Aged Care Advisory Committee supports the concept of the City of Kalamunda conducting a Forum incorporating information on trends and issues in aged care accommodation, current models being provided by the

industry, as well as providing updates to the community on aged care sites in Kalamunda.

Moved: **Ray Maher**
Seconded: **Ian Tarling**
Vote: **Carried Unanimously**

8. The Committee also discussed two issues within the Terms of Reference. It was decided the Terms of Reference required amendment to better reflect the intention.

MOTION

That Kalamunda Aged Care Advisory Committee:
Request Council to amend the Terms of Reference to reflect that ex-officio appointments are non-voting members as shown in the revised Terms of Reference at Attachment 1.

Moved: **Beverley Giumelli**
Seconded: **Helen Dymond**
Vote: **Carried Unanimously**

9. The TORS at Point 10 – state that KPIs are to be added when agreed upon. It is requested KACAC give consideration to this and advise if KPIs should be developed. If so, what would they entail, and if not, then they should be removed from the terms of reference.

MOTION

That Kalamunda Aged Care Advisory Committee:
Not support the development of Key Performance Indicators and reference should be removed from the Terms of Reference.

Moved: **Margaret Thomas**
Seconded: **Ray Mayer**
Vote: **Carried Unanimously**

STATUTORY AND LEGAL CONSIDERATIONS

10. Sections 5.8, 5.9 and 5.10 of the *Local Government Act 1995*.

POLICY CONSIDERATIONS

11. Nil.

COMMUNITY ENGAGEMENT REQUIREMENTS

Internal Referrals

12. Nil.

External Referrals

13. Nil.

FINANCIAL CONSIDERATIONS

14. Conducting a Community Forum would be subject to Council supporting the allocation of funds in the 2018/2019 Municipal Budget.

The cost of the forum would require a future budget allocation of approximately \$20,000.

STRATEGIC COMMUNITY PLAN

Strategic Planning Alignment

15. *Kalamunda Advancing Strategic Community Plan to 2027*

Priority 1: Kalamunda Cares and Interacts

Objective 1.1 - To be a community that advocates, facilities and provides quality lifestyles choices.

Strategy 1.1.1 - Facilitates the inclusion of the ageing population and people with disability to have access to information, facilities and services.

Strategy 1.1.3 - Facilitate opportunity to pursue learning.

Priority 1: Kalamunda Cares and Interacts

Objective 1.3 - To support the active participation of local communities.

Strategy 1.3.1 - Support local communities to connect, grow and shape the future of Kalamunda.

Priority 3: Kalamunda Develops

Objective 3.1 - To plan for sustainable population growth.

Strategy 3.1.1 - Plan for diverse and sustainable housing, community facilities and industrial development to meet changing social and economic needs.

Priority 4: Kalamunda Leads

Objective 4.2 - To proactively engage and partner for the benefit of community.

Strategy 4.2.1 - Actively engage with the community in innovative ways.

SUSTAINABILITY

Social Implications

16. Retirement living and Aged Care Accommodation issue is a serious social issue which requires all levels of Government, community and industry to work together collaboratively to find solutions.

Economic Implications

17. Nil.

Environmental Implications

18. Nil.

RISK MANAGEMENT CONSIDERATIONS

19.	Risk: The community will not support and attend a community retirement living forum.		
	Likelihood	Consequence	Rating
	Unlikely		Low
	Action/Strategy		
	Ensure all seniors networks are engaged and good promotional campaign is launched.		

OFFICER COMMENT

20. The concerns raised by the KACAC on the matter of hosting a retirement conference largely centred on the naming of the event. Whether the event is called a forum or conference has little bearing on the content which will still cover the latest trends, ideas and models being built for retirement living, as well as the work being undertaken by the City to develop public owned land for integrated aged care facilities.

Voting Requirements: Absolute Majority

RECOMMENDATION

That Council:

1. Lists for budget consideration a sum of \$20,000 in the 2018-19 budget deliberations for the purpose of holding a Retirement Living Community Forum.
2. Notes the wishes of the Kalamunda Aged Care Advisory Committee to call the event a Retirement Living Community Forum and to include information about aged care developments within the City of Kalamunda;
3. Modify the Terms of Reference of the Kalamunda Aged Care Advisory Committee as follows:
 - a) That ex-officio appointments are non-voting members.
 - b) That Key performance indicators are removed from Terms of Reference
4. Adopts the revised Terms of Reference as shown as attachment 1 to this report.

TERMS OF REFERENCE 2017 -2019

Aged Care Advisory Committee

Name	Representing	Appointed
John Giardina	Mayor	October 2017
Margaret Thomas	Councillor Delegate	October 2017
Lesley Boyd	Councillor Delegate	February 2017
Rhonda Hardy	Chief Executive Officer – Non- Voting	N/A
Ian Tarling	Community Members who are carers of seniors or people with senior's interests.	October 2017
Ray Maher	Community Members who are carers of seniors or people with senior's interests.	October 2017
Beverley Giumelli	Community Members who are carers of seniors or people with senior's interests.	October 2017
Vacant	Community Members who are carers of seniors or people with senior's interests.	October 2017
Malcom Roberts	Aged Care Community Representation organisations.	October 2017
Bev love	Aged Care Community Representation organisations.	October 2017
Helen Dymond	Local organisations providing services to seniors (community or residential)	October 2017
Vacant	Health care professional	
Vacant	Local Federal Member of Parliament (ex officio non-voting)	N/A
Mathew Hughes	Local State Member of Parliament (ex officio –non-voting)	N/A

Deputy Representatives:

Name	Representing	Appointed
Michael Fernie	Deputy Council Delegate	February 2017



Aged Care Advisory Committee

Terms of Reference

(LAST UPDATE 30/4/2018)

1. Name

The name of the Committee shall be the Kalamunda Aged Care Advisory Committee. (KACAC)

2. Purpose

To advise and make recommendations to Council on a range of strategic issues which affect the quality of life of the ageing population, their families and carers living-in and visiting the City of Kalamunda.

3. Objectives

To consider and advise Council with regard to initiatives:

- 3.1 To promote and facilitate adequate access to Residential Aged Care accommodation in the City of Kalamunda.
- 3.2 To monitor trends, issues and developments occurring at the local, state and national levels for the aged care sector.
- 3.3 To undertake ongoing research and analysis of the aged care sector to ensure the City is at the forefront of any development opportunities that may emerge.
- 3.4 To advocate and develop relationships with the aged care sector and identify opportunities for partnership ventures.
- 3.4 To consider and advise upon greater access to community based aged care facilities and support services
- 3.5 To investigate and promote regional approaches to aged care issues.

4. Council's Strategic Alignment

Kalamunda Advancing - Strategic Community Plan to 2023

Strategy 1.1 To be a community who cares for its aged and frail and those less fortunate.

Strategy 1.2 To ensure the ageing population has housing choice.

5. Membership

5.1 A total membership of up to 12 full members comprising.

- (i) The Mayor.
- (ii) Two Councillors.
- (iii) The Chief Executive Officer (non-Voting Member)
- (iv) Two members from Aged Care Community Organisations.
- (v) Four community members who are carers of seniors or people with senior's interests.
- (vi) One representative for a local organisations providing services to seniors (community or residential) within the City of Kalamunda.
- (vii) A health care professional experienced in aged care.

5.2 All members shall have an appointed Deputy who is to attend meetings in the absence of a member.

5.3 Appointment is for up to two years and members are eligible for re-appointment following the Council Ordinary Election.

5.4 Membership will be reviewed should a member miss three consecutive meetings without approved leave of absence.

In addition it is proposed two Local Members of Parliaments, one each from Federal and State, be appointed as **Non-Voting Ex-Officio** members to the committee.

6. Election of Presiding Member and Deputy Presiding Member

The election of the Presiding Member and Deputy presiding Member will be conducted in accordance with the provisions of the *Local Government Act 1995*.

7. Meetings

- 7.1 The Committee shall meet quarterly and may have the ability to increase the frequency of meetings if required. Meetings should be held on a regular date and time to be determined by the group.
- 7.2 A quorum shall consist of at least one half of the appointed members.

8. Minutes

- 8.1 Agendas and Minutes will be administered by the Chief Executive Officer or their delegate.
- 8.2 An Agenda and notice of meeting will be distributed electronically by the Secretary at least 3 days prior to each meeting.
- 8.3 It is important that Agenda Items along with any supporting papers are sent to the Secretary no later than 5 days prior to meeting. This allows time for members to consider the item and make an informed decision.
- 8.4 If there are no Agenda Items the Secretary in consultation with the Presiding Member, will advise all members that the scheduled meeting is cancelled.
- 8.5 Late agenda/business items may be accepted for consideration by the Committee.
- 8.6 A City of Kalamunda staff member will act as a Secretary for the Committee.
- 8.7 The Secretary shall keep minutes of all business transacted at all meetings and a copy shall be forwarded to members within 7 days of each meeting.
- 8.8 All recommendations made by KACAC will be reported to Council through the Corporate & Community Services Committee.

9. Voting

Each appointed member present shall have one (1) vote, with the Presiding Member having a casting vote if required.

11. Motions of Which Previous Notice has been Given

11.1. Naming of Forrestfield Train Station

NOTICE OF MOTION

Naming Forrestfield Train Station

Voting Requirements: Simple Majority

That Council:

1. Request the Chief Executive Officer to investigate and liaise with the relevant State Government agencies regarding the processes that gives consideration to the naming of the future train station currently known as Forrestfield and the District Structure Plan area currently known as Forrestfield North and report to Council on this process.

Moved: **Cr Dylan O'Connor**

Seconded:

Vote:

Rationale

1. Recently, for several years, the special rural blocks in High Wycombe, bordered by Maida Vale Rd, Dundas Rd, Berkshire Rd and Roe Hwy, have been in limbo as the residents have been waiting for some certainty around the future planning, zoning, opportunities and restrictions on their land.
2. The process originated with the area being identified as suitable for light industrial purposes.
3. The State Government then announced that it was going to construct an airport rail link that included an extension and station in the High Wycombe precinct previously mentioned.
4. The State Government through various departments determined that the working name of the station to be located in High Wycombe would be Forrestfield.
5. As a result of the announcement of the train station, the State Government then wrote to the then Shire of Kalamunda and requested that the officers begin the process of creating a structure plan over the area previously stated that shifted away from industrial uses and included residential and commercial opportunities to take advantage of the new train station.
6. The City's staff at the time developed a District Structure Plan and tentatively named it, 'Forrestfield North'.

7. The staff sought guidance from Council and at an Ordinary Meeting of Council, it was determined that Council would undertake the planning for the area.
8. Early in the process, among City staff and organisations such as the Public Transport Authority (PTA) and other relevant parties, it was agreed that the term, 'Forrestfield Station' was a suitable working title. The PTA agreed that at some point in the near future, the naming process would be undertaken with wide community consultation.
9. There is a question over whether the naming process for the station should happen in isolation or in conjunction with a potential new name for the wider district or whether a new name for the district is even required.
10. Worth noting is that there are many residents that have either made a choice to stay, or through the potential impacts of the revised planning, have decided that they won't be moving for a number of years and that their identity through location needs to be preserved. Part of ones identity is where they live and this is the case in many cultures – I don't want to diminish this potential impact for any of the residents living in the precinct.
11. The importance of initiating the naming process cannot be underestimated. This train station is being constructed in an existing and well-established community. The stakeholders, including residents, must take into account the expected life of the project area and the impact on the residents who are unable to or choose not to move early in the development process.
12. The naming process needs to involve the immediate residents, the wider community, relevant elected members from local, state and federal levels and it needs to follow the process as set out by relevant State Government agencies.

Officer Comments

Subject to the Notice of Motion, the City will initiate investigations through relevant State Government agencies to identify and define the appropriate process for considering the naming of the future Forrestfield train station and broader District Structure Plan area.

Through identifying this process, the City will, if supported by the State, establish an appropriate Consultation and Engagement Strategy that will ensure community involvement and high levels of engagement to inform to decision making process.

11.2. Policy for Hypothecating Funds from Telecommunication Towers

NOTICE OF MOTION

Policy for Hypothecating Funds from Telecommunication Towers

Voting Requirements: Simple Majority

That Council:

1. Requests the Chief Executive Officer to prepare a Council Policy that establishes protocols that ensures that revenues received from Telecommunication Towers, where they are constructed in public reserves are hypothecated back to community groups or clubs in the near vicinity of the tower through a formalised process.

Moved: **Cr Dylan O'Connor**

Seconded:

Vote:

Rationale

1. The development of mobile phone towers in the City of Kalamunda in recent times has proven to be, at times, divisive in the community as residents struggle to reconcile the perceived amenity issues that the towers bring with the improved mobile connectivity that they are told they will experience following the installation of a tower.
2. The Council has found that carriers have demonstrated a general willingness to work with the council, city staff and residents to find suitable locations for the infrastructure that they wish to install.
3. There has been a trend occurring in metropolitan and built-up areas around Perth that has seen telecommunication providers increasingly opting to locate mobile telephone infrastructure towers in locations such as recreational and sporting reserves.
4. In choosing these locations to develop telecommunication towers, the carriers have generally acknowledged or accepted that there is a community interest in locating this type of infrastructure in a location that prevents residents from extended exposure to a reduced amenity. In my view, a carrier is demonstrating sound judgement when they take the matter of community amenity into their wider consideration before lodging a development application to install a telecommunication tower.

5. The City should continue to work with carriers to assist them in locating infrastructure that services the residents but has minimal negative impact on their amenity.
6. In locating telecommunication towers in recreational and sporting reserves, the visual amenity that families are experiencing is minimal and on average, less than 4 hours per week. This is in direct comparison to towers that are located adjacent to residential precincts whose occupants could experience the perceived negative amenity issues beyond 12 hours per day.
7. Typically, the City receives a small amount of revenue from the footprint of the telecommunication tower and is considered 'rent' paid by the carrier.
8. It is proposed that the 'rent' or income that is generated by any new installation of a telecommunication tower that is located on a recreation or sporting reserve is directed to a reserve account under the name of the recreational reserve and held by the City, for example, 'Reid Oval, Forrestfield Capital works'. The purpose of the reserve is to assist the user groups to apply for and carry out capital works upgrades to their facilities that otherwise would have to be considered by council as part of the budget process – therefore helping them to get on with required upgrades sooner.
9. The benefits to these user groups that purely consist of volunteers, is that they can begin to make short and long term plans when considering facility upgrades and other capital works. Council is aware of the commitment that community group volunteers make and is willing to assist them in their efforts to improve the facilities and amenity for their group's users.

Officer Comments

The development of a policy establishing protocols to ensure that revenue received from telecommunication towers constructed on public reserves is hypothecated to community groups or clubs in the near vicinity of the tower is supported. It should be noted that the Department of Planning, Lands & Heritage (DPLH) has responsibility for the decision regarding the application of revenue from telecommunication towers located on public reserves and their decision on whether or not the City receives any rental funds and the manner in which any rental funds received by the City must be applied in accordance with management orders.

It is also recommended that consideration is given to ensuring that access to the funding reserve proposed within this nomination be consistent with the Capital Grants Policy and considered by the Strategic Sport and Recreation Committee where appropriate.

12. Questions by Members Without Notice

13. Questions by Members of Which Due Notice has been Given

13.1 Questions Taken on Notice from Ordinary Council Meeting 24 April 2018

12. Questions by Members Without Notice

12.1 Lewis Road Property - (Cr Geoff Stallard)

Q1. Did the Council make the decision to use the property on Lewis Road as a church or was this done under delegated authority?

A1. The application for the Place of Worship (Prayer Room) and Boundary Fence on Lot 4255 (29) Lewis Road, Wattle Grove was approved in October 2015 under delegation by the then Director Development Services.

12.2 Trees on Welshpool Road (Cr Geoff Stallard)

Q1. Do staff have any information and evidence of the environmental value of a gum tree and in particular the red gum or the Marri Tree and their life sustainability verses trees such as the lemon scented gums on Welshpool Road East?

A1. The ecological value of trees will vary depending on the species and its proximity to other trees and complimentary vegetation complexes. Of highest value are federally protected flora species and fauna habitat species. Naturally occurring trees may form part of a threatened ecological community (TEC) such Marri/Jarrah/Banksia complexes or be a stand-alone declared rare flora. The Marri (*Corymbia calophylla*) is a keystone species of a number protected flora complexes on the Swan Coastal plain and the foothills. It also provides roosting and feeding habitat for federally protected Black Cockatoo species and groups of Marri cannot be cleared without a permit from the Department Water and Environmental Regulation.

The Lemon Scented Gums on Welshpool Road will have high landscape aesthetic and social values. Some will need to be managed and thinned to allow the trees to develop quality long term structural soundness and the intended boulevard effect. They are relatively quick growing in comparison to naturally occurring trees and will respond well to management. They will contribute to ameliorating strong easterly winds, will provide beneficial food and habitat for a few native species. The original avenue of Lemon Scented Gums trees would have been planted around 1960, at the same time as the Kings Park boulevard. In this location, this group of Lemon Scented Gums has a high social value. Individual trees elsewhere would need to be assessed in the context of their setting and individual quality but would generally not rate of high value.

Marri trees throughout the City of Kalamunda are valued for their aesthetic, their relationship to the natural landscape and have very high ecological values. They are a slow growing tree, which rates mature species higher for retention and management investment. They are key to the City's identity and protection of the City's biodiversity. Marris have a very high ecological value as part of native vegetation complexes and as individual specimens.

14. Urgent Business Approved by the Presiding Member or by Decision

15. Meeting Closed to the Public

16. Tabled Documents

1. [BFAC GM Minutes 15 March 2018](#)
2. [SSRC Minutes 21 March 2018](#)
3. [KEAC Minutes 22 March 2018](#)
4. [SSRC Minutes 5 April 2018](#)
5. [SSRC Minutes Attachment 1 5 April 2018](#)
6. [PBF Minutes 8 May 2018](#)

17. Closure