Roseland at Dardanup Structure Plan

SHIRE OF DARDANUP

July 2010







| Amendment No. | Amendment Summary | WAPC Endorsed Date |
|---------------|---|--------------------|
| 1 | Inclusion of Lot 201 into the Structure Plan Area | 15 July 2016 |

Note: to be read in conjunction with SPN/0200M-2, which includes the final approved structure plan.

TITLE: Roseland at Dardanup Structure Plan

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Griffiths Planning would like to acknowledge MPM Development Consultants in the preparation of the Roseland at Dardanup Structure Plan

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1.0 Introduction

Roseland at Dardanup Structure Plan is presented in this report on behalf of Thomas Fields Pty Ltd , Tank Road Pty Ltd and EA and EJ Gobby for submission to the Shire of Dardanup. This document includes both a concept and structure plan that fulfils provisions of the local planning scheme as a prerequisite to subdivision and development for the Dardanup townsite expansion area.

The consultant team comprises:

- Griffiths Planning (Planning)
- MPM Developments (Design)
- Artifex (Drafting)
- Thompson McRobert Edgeloe (Water Management)
- Golders (Geotechnical Report)
- Rileys (Transport)
- Herring Storer (Acoustic)

1.1 Roseland at Dardanup – Location and Landownership

The area referred to as Roseland at Dardanup is located within the Shire of Dardanup immediately south of the Dardanup townsite, west of the South West highway, bordered by Fees Road to the south, and intersected by the South West railway. The combined landholdings comprise 40.06 hectares which relate specifically to the lots as described in Table 1 and indicated in Figure 1.

| Lot | Lot Area | Landowner |
|------------------------|---------------------|-----------------------|
| 76 Cleary's Road | 20.92 ha | Thomas Fields Pty Ltd |
| Portion of 1 Tank Road | 15.88 ha (19.32 ha) | Tank Road Pty Ltd |
| 600 Fees Road | 3.26 ha | EA and EJ Gobby |
| TOTAL | 40.06 ha | |

Table 1: Land Ownership

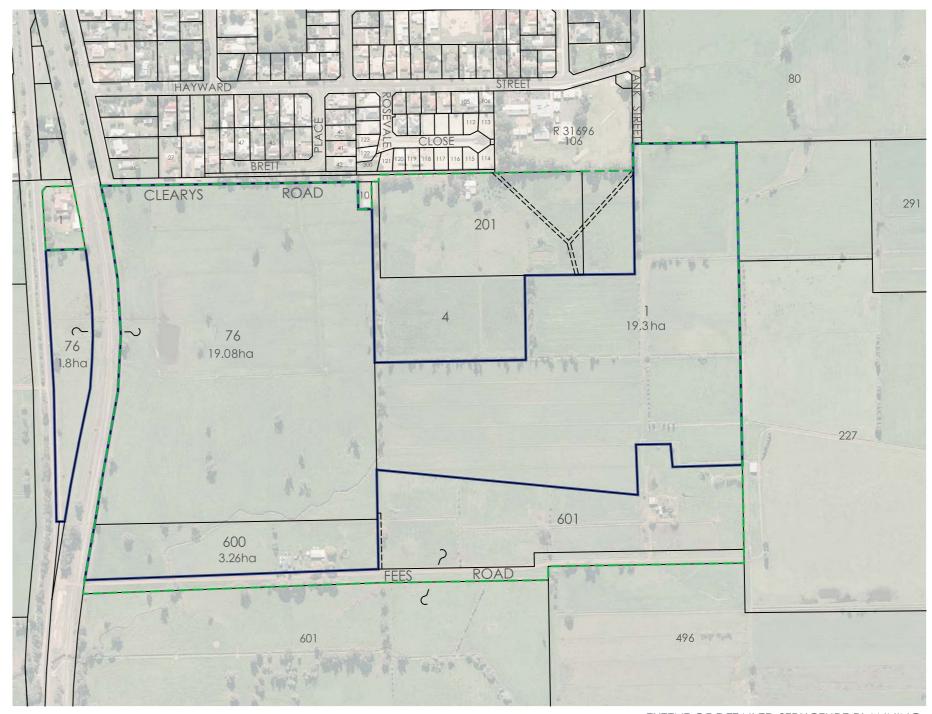


Figure 1: Subject Land

EXTENT OF DETAILED STRUCTURE PLANNING

--- EXTENT OF CONCEPT PLANNING

The structure plan for Roseland at Dardanup is prepared in context with the 'Dardanup South Concept Plan' (DSCP) for an area of which comprises all landholdings within the southern townsite expansion area (55.63 hectares) as indicated on Figure 1 above and included at **Attachment** 1

Dardanup townsite is centrally located within the Greater Bunbury Region approximately 14 km south east of the Bunbury central business district and 7 km from the Picton and Halifax industrial areas.

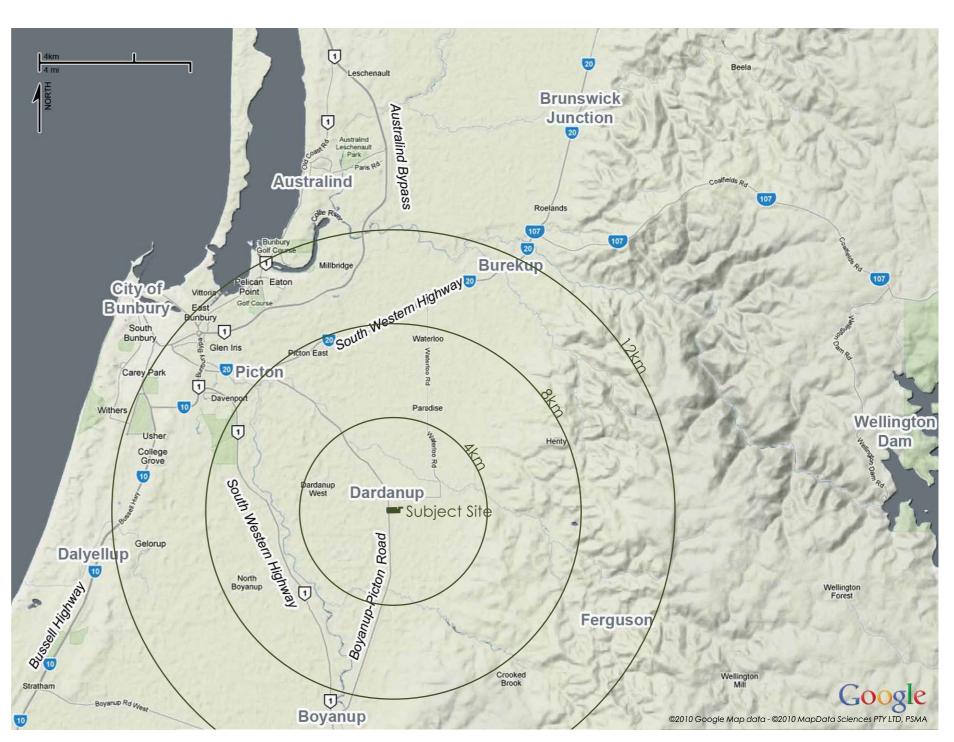


Figure 2: Location Plan

1.2 Historical Context

Dardanup was first settled by Thomas Little around 1852. Little built a homestead named "Dardanup Park" thouaht to be a variation of the Aboriginal word "Dudingup". Little gave land to the Catholic Church and attracted other settlers to the area, and a small community soon developed.

The 1890's saw the construction of the railway through the district, which was used to transport timber to Dardanup. Land at Dardanup was privately owned and developed, however in the 1920's the government acquired and subdivided land for closer settlement and the townsite of Dardanup was gazetted in 1923.

The subject land has been irrigated pasture since 1933 and the land yield by the early settlers was largely subsistence farming, growing their own vegetables, producing their own meat and selling some of their produce in Bunbury. The Fees family were the original pioneers of the subject land and named their property 'Roseland' which gives rise to the structure plan name.

Dardanup townsite was the administrative centre of the Shire of Dardanup until the relocation of the Shire offices in 1999.

1.3 Demographic Context

The Shire of Dardanup produced a document describing Population and Demographics (October 2009). This document was developed using software provided by the Australian Bureau of Statistics (ABS).

Dardanup townsite population was estimated to be just over 370 in 2006 ABS. Based on the Shires report, Dardanup townsite is likely to have a significant increase in its population from 2011 to 2021 due growth as supported by the Dardanup Townsite Expansion Strategy. From

2021, it is projected that there will be a fairly progressive population growth but at a slower rate to the preceding years. While the Shires population reports suggest a population of approximately 2,253 by 2026, the townsite expansion strategy estimates that the population may reach between 2000-4000 by 2031 depending on densities achieved and market demand. Population projections are based on an occupancy rate of 2.8 persons per household.

The Shire projects that 21% of the Dardanup townsite population in 2011 will be aged over 55 and will gradually increase to 26% of the total population in 2026. However, in 2011 61% of Dardanup's population may be dependents and this proportion is projected to gradually decrease to 54% in 2026. Dependents are those aged 0 to 14 years and over 65.

The ratio of the aged and dependent population has implications for Council in terms of the facilities and services available to the community. Having a higher proportion of aged people results in the requirement for facilities used by this population group, such as health and welfare services, social activity centres, and aged accommodation. Having a high ratio of dependents aged 0-14 also results in demand for services and facilities such as health, child, youth, and recreation facilities.

1.4 Site Analysis

The subject site is flat cleared land with a covering of grass and sparse trees, and therefore does not contain any significant natural areas. The townsite of Dardanup and adjacent land is situated on clay soils which results in slow absorption of surface water. The site is intersected by three irrigation drainage channels at approximately one metre deep. The Golders Geotechnical Report included

in **Appendix F** confirms that the site is capable and suitable for residential development subject to acceptable and best practice management drainage solutions being implemented.



2.0 Planning Context

The existing planning framework and policy context provides support for preparation of the Roseland at Dardanup structure plan particularly as it is consistent with the Greater Bunbury Region Scheme (GBRS), Local Planning Scheme (LPS) and the Dardanup townsite expansion strategy as described in sections 2.1-2.3 described below. A further detailed review of the planning context and assessment of the proposal within the broader and relevant policies of the state planning framework is provided in **Appendix A**.

The key policies discussed at **Appendix A** include:

- State Planning Policy 3.0 Urban Growth and Settlement
- State Planning Policy 5.4 Road and Rail Transport
- Noise and Freight Land use Planning
- State Planning Policy 2.9 Water Resources
- Liveable Neighbourhoods

2.1 Dardanup Townsite Expansion Strategy

The Shire of Dardanup townsite expansion strategy endorsed by the Western Australian Planning Commission (WAPC) on 27 July 2009 provides the framework for orderly and proper expansion of the Dardanup townsite. The strategy proposes to facilitate expansion of the town by approximately 100 hectares to satisfy estimated population demand until 2031 and requires that this is controlled by detailed structure planning and staging of subdivision. The key outcomes of the strategy are reflected in guidance provided through Section 5: Expansion Strategy and Section 6: Planning Policy Statements of the document which are summarised on the Dardanup Townsite Expansion Map (See **Attachment 2**).

The Dardanup South Concept Plan (DSCP) and Roseland at Dardanup Structure Plan (Attachment 1) address

each relevant guideline and planning policy statement indicating overall compliance with the intent of the strategy. All issues and elements of the structure plan have been addressed thoroughly in consultation with key agencies as described in section 3.0 of this report. Section 5 of this report presents discussion of the design and planning issues in response to the strategy. Section 6 of this report describes and provides rationale for each of the structure plan components. Attachment 3 includes a table which references each provision of the Dardanup Townsite Expansion Strategy and where these have been addressed in this report or on the structure plan.

The DSCP significantly influences future townsite development as it represents over 50% of the growth area, and the structure plan for Roseland at Dardanup comprises over a third of the anticipated future development. Section 7.2 of this report addresses the staging requirements for subdivision.

2.2 The Greater Bunbury Region Scheme

The existing Dardanup townsite is zoned 'Urban' under the Greater Bunbury Region Scheme (GBRS). This zoning recognises the potential for small townsites to consolidate and expand in providing diversity of housing and lifestyle choice with the region. The subject lots are currently zoned 'Rural' under the GBRS, however are included in Amendment 0008/41 of the GBRS with the purpose to transfer approximately 102.03 ha in the locality of Dardanup, as identified in the Dardanup Townsite Expansion Strategy 2009, from 'Rural' to 'Urban deferred'. The zoning was initiated in January 2010 with public submissions received by 22 April 2010. The lots the subject of this structure plan are included within this amendment, which will also be reflected in the local planning scheme as 'Development' zone as described in section 2.3 below.

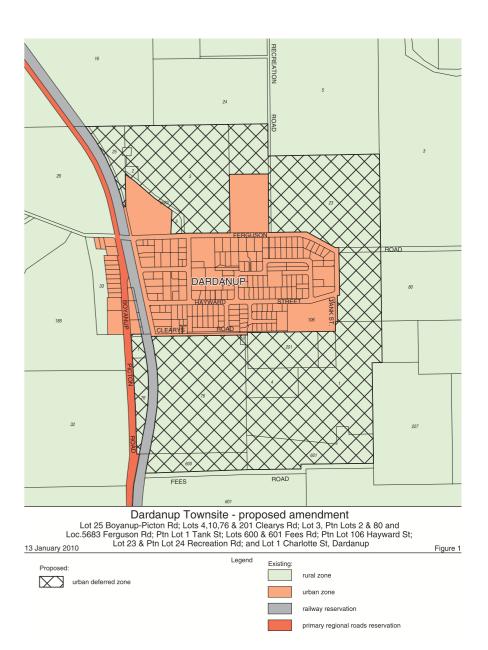


Figure 3: Amendment 0008/41

The gazettal of the 'Urban deferred' zoning under the GBRS may occur in parallel with gazettal of the 'Development zone' under the Local Planning Scheme which is provided for by section 126 of the Planning and Development Act 2005. The next step is to lift 'deferment' to class the land as ready and suitable for 'Urban' development. The

WAPC Guidelines for Lifting of Urban Deferment state that the 'Urban deferred' zone indicates that land is physically and locationally suitable for urban purposes, however before agreeing to transfer land to the urban zone the WAPC will require evidence that:

- The land is capable of being provided with essential services and agreement has been reached between the developers and service providers with regard to the staging and financing of services;
- Planning is sufficiently advanced to depict an acceptable overall design to guide future development;
- The proposed urban development represents a logical progression of development;
- Regional requirements (such as regional roads, open space and public purposes) have been satisfied or provision made for them; and
- Any constraints to urban development can be satisfactorily addressed.

The transfer of land from the 'Urban deferred' zone to the 'Urban' zone may be initiated by the landowner, the local government or any public authority and referred to the local government and WAPC in the form of a detailed structure plan indicating the future development and servicing of the land.

Each of the criteria for lifting of deferment as stated above is addressed through the DSCP and Roseland at Dardanup Structure Plan (Attachment 1) and report.

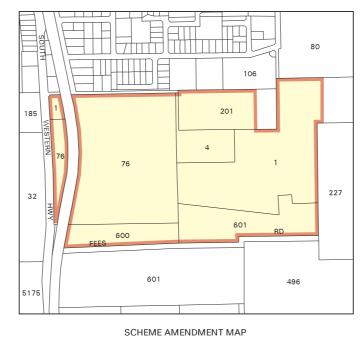




Figure 4: Amendment No 164

2.3 Shire of Dardanup Local Planning Scheme No. 3

The subject land is zoned 'General Farming' under the Shire of Dardanup Local Planning Scheme No. 3. Amendment No. 164 of the LPS relating to Lots 76, Pt Lot 1 Tank Road, Lot 201 and Lot 4 Cleary's, Lot 600 and Pt Lot 601 Fees road is supported by Council to rezone the land from 'General Farming' to 'Development Zone'. This amendment is being progressed in parallel with Amendment 0008/41 to the GBRS as described above and provided through section 126 of the Planning and Development Act 2005.

LPS No. 3 clause 3.15.7.2 states that the purpose of the 'Development' zone is:

- a) To identify areas requiring comprehensive planning prior to subdivision and development.
- b) To coordinate subdivision, land use and development in areas requiring comprehensive planning.

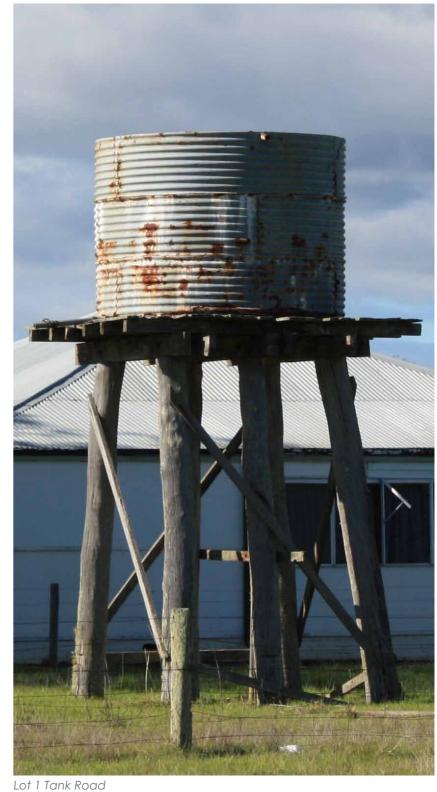
The DSCP and Roseland at Dardanup Structure Plan presented with this report are modified from the concept plan which accompanied the amendment. The plan has been reviewed and prepared in detail to fulfil the scheme provisions and required content for the structure plan as described in clause 3.15.7.4(d). The required content is reflected specifically in the townsite expansion strategy which is addressed in detail throughout this report. Clause 3.15.7.4(e) states that:

"In considering a proposed Structure Plan for part of a Development Zone, the Council may require the Proponent to demonstrate how planning for the subject land may be integrated with planning for the balance of the Development Area, including how broad land uses, essential services, main movement systems and major conservation and recreation areas are to be integrated and provide information on the arrangement for implementation."

Roseland at Dardanup Structure Plan relates specifically to Lot 76 Clearys Road, Lot 600 Fees Road, and Lot Pt 1 Tank Road as indicated in Figure 1 above. The DSCP provides the land use framework for the remainder of the southern expansion area which addresses key issues for the broader community, the Shire and adjacent landowners, whilst fulfilling the requirement of Clause 3.15.7.4(e) of LPS No. 3 and provisions of the townsite expansion strategy.

The preparation of the DSCP and Roseland at Dardanup completes the required planning framework to enable

subdivision and development of the subject land, and may be considered for approval upon gazettal of Amendment No. 164, in conjunction with a request for Lifting of Urban deferment. Section 7.1 of this report reviews the statutory planning process (see Figure 10: Statutory Process) and implementation of the structure plan.



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3.0 Consultation and Collaboration

This structure plan is the result of a collaborative approach between the developers (Bunbury Projects), government agencies, consultants and the community. The process to facilitate planning for Roseland at Dardanup has been ongoing for a number of years. As explained in Section 2.0 above, the endorsed Shire of Dardanup townsite expansion strategy and progress of the LPS amendment enables consideration of a structure plan for the subject area. Through the process of preparing the Dardanup townsite expansion strategy, the Shire of Dardanup involved Bunbury Projects (on behalf of the landowners Thomas Fields Pty Ltd) in a transparent and robust approach with the aim of producing an outcome that will promote a sustainable living environment for the Dardanup townsite. Bunbury Projects willingness to cooperate and collaborate with the Shire through supporting and developing the required planning framework prior to advancing plans has created a productive and amicable working relationship. The Department of Planning and the Department of Education and Training have also provided a supportive consultation experience facilitating improved outcomes to the plan design and overall process. Other agencies including the Water Corporation, Department of Water, Department of Environment and Conservation, Department of Agriculture and Harvey Water have been consulted to ensure all issues were understood.

The Community has been consulted through various stages of the planning process both formally and informally relating specifically to the advertising process for the Dardanup townsite expansion strategy, and the GBRS and LPS amendments. In preparation of the structure plan a meeting was held with the local primary school principal and informal discussions have taken place with adjacent landowners.

Through these processes the community appear to be well informed and aware of the intent to develop Dardanup south. The DSCP and Roseland at Dardanup structure plan process provides the opportunity for further input or comment prior to future subdivision. Opportunity will be through formal public meeting(s) and the submission process guided by the Shire of Dardanup, and also through informal dialogue with Shire officers and consultants. Communication between the Shire of Dardanup and the developers will continue throughout the subdivision process to ensure that structure plan objectives are upheld through implementation.



Consultation and Collaboration, Dardanup



4.0 Project Overview

4.1 Vision

Roseland at Dardanup provides an example in sustainable rural townsite development through combining innovative design and traditional concepts which fosters local identity, respects heritage, and surrounding rural landscapes whilst providing diversity in lifestyle, community development and environmentally sensitive technologies valued by residents and visitors.

4.2 Objectives

Roseland at Dardanup and the Dardanup South Concept Plan (DSCP) embraces the intent and specific recommendations of the Shire of Dardanup townsite expansionstrategy, the local planning scheme and general principles embodied in the Liveable Neighbourhoods Community Design Code. The concept and structure plan responds to the flat landscape, high water table, and clay soils by incorporating elements that achieve amenity and functional objectives. The plan creates linkages and focal points through setting aside land for open space and drainage within a traditional grid pattern road network. The design provides an attractive interface and connection with the existing town and an outlook to the rural landscape and Ferguson Valley beyond.

The structure plan objectives are to:

- Facilitate the expansion of Dardanup as a rural townsite defined by living streams, open space, and landscape.
- Promote collaborative involvement with the community, non-governmental organisations and state and local government agencies.
- Be innovative in the application of the Liveable Neighbourhoods Community Design Codes;

- Provide connections and cohesion with the existing town in all elements of the design and planning to add vibrancy to the existing centre.
- Encourage a townsite environment that respects the rural setting through the use of design guidelines and landscaping.
- Support the growth of Dardanup as a rural townsite and integrate the proposal with the existing town providing support for improved district playing facilities, expansion of the school playing field, and public open space.
- Support community development initiatives and contribute to the provision of appropriate community facilities.
- Provide for living streams through the design in catering for drainage and creating areas of interest as focal points for the community.
- Provide a balanced range of lot sizes and lifestyle opportunities located on the basis of access to open space, community facilities, landscape vistas and amenity.
- Provide a sustainable focus to the future community withwatersensitive design, reticulated water and waste water systems, rain water harvesting, solar orientated lots, encouragement of solar passive building design, use of native endemic species in landscaping and grey water recycling.
- Provide an interconnected movement network that balances the needs of pedestrian, cyclists and vehicles within the neighbourhood and into the existing town.
- Retain the townsite character and heritage values, whilst providing the opportunity for more people to experience the qualities of living in a rural townsite, the regions tourist tapestry region, and scenic backdrop to the darling ranges.
- Facilitate the development of a mixed business site between the rail line and Roseland at Dardanup

- which will compliment the function of the existing town centre commercial area.
- Increase local population catchment to support the existing commercial, retail and tourist ventures in the town and locality.

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5.0 Planning and Design Influence (Key Issues)

5.1 Water Management

The process of developing the Dardanup townsite expansion strategy and preparation of the GBRS and the LPS amendments highlighted management of surface water as the key influence to design and development. Existing drainage issues within the existing townsite should not be replicated through the expansion, and may be improved through the drainage strategies at the interface of the existing town and the future development area. Dardanup South is previously irrigated farm land which includes irrigation channels and therefore drainage from surrounding farmland will need to be separated from the urban environment.

The Drainage Study includes recommendations for:

- Redirection of irrigation channels to the periphery of the structure plan area;
- Recommendations for increased fill to provide for permeation and movement of surface water through the living streams;
- Recommendations and cross sections associated with the interface between the existing town to the north and the rural land to the east and south.
- Attenuation of existing Dardanup townsite runoff within the Dardanup South Concept Plan area.

The concept and structure plan design addresses water management and is accompanied by a Local Water Management Strategy (LWMS) (Appendix C) which meets the requirement of SPP 2.9 and the Better Water Management Framework (described in Appendix A). The Dardanup South Concept Plan Local Water Management Strategy articulates the range of management practices that are being considered for the proposed subdivision development site. The objective of this LWMS is to detail a development that manages the total water cycle in

a sustainable manner. This includes water conservation, flood protection, stormwater management, water quality, groundwater and irrigation management and management of associated water dependent ecosystems as outlined below and detailed in **Appendix C**.

Water Conservation

- Building awareness for water conservation measures
- Encourage target water use per person through installation of rainwater tanks, Greywater reuse systems and water efficient fixtures and fittings for all buildings constructed.
- Public open spaces, multiple use corridors, bioretention units and street landscaping will have a strong focus on using locally suitable native Waterwise species.

Flood Protection

- All road and lots levels have been designed to maintain a minimum 500mm separation clearance between habitable buildings and the 1:100 ARI flood levels.
- The drainage network will flow at capacity and excess water will be conveyed to the multiple use corridors (MUCs), with partial storage at localised low points on roads and in public open space (POS).
- Trickle flows between MUCs will convey runoff to Gavin's Gully.

Stormwater Management

- The 1:1 year event will be treated and stored at the source with water sensitive urban design (WSUD) mechanisms, such as bioretention gardens within the road reserves, and rainwater tanks or soak wells on properties..
- A minor pipe network will convey 1:5 runoff to MUCs, which will be designed as open drains to provide attenuation and conveyance of stormwater runoff.

Water Quality

 Water sensitive urban designs include bioretention gardens, living streams within the multiple use corridors,

- and soak wells to reduce sediments, large debris and nutrients from all water runoff from impervious surfaces.
- The public open spaces will be planted predominantly with appropriate local native plants, and minimal grassed areas will be constructed to minimise the quantity of fertiliser application required.
- Households will be informed regarding nutrient wise garden practices, and be given packages to educate themselves about minimising lawn area and construction of Waterwise and nutrient wise gardens.

Groundwater Management

- Treated inflow to the groundwater includes bioretention gardens, MUCS and soak wells.
- The entire site will be filled above the current ground level to ensure adequate separation of the houses, WSUD drainage and soak wells from the current average annual maximum groundwater level.
- Use of soil amelioration products and treatment of water prior to infiltration, and ensuring that the surface water infiltrating into the groundwater is of an appropriate quality.

Irrigation Flow Management

 Measures will be introduced within the southern drainage network to ensure that outflows from the development drainage network satisfy the Water Corporation's specifications for Gavin's Gully drainage supply to irrigators downstream of the development.

5.2 Planning and land use issues

Issue identification and consideration occurred through consultation and discussions primarily with the Shire officers, the Shire Council, Department for Planning Department of Education, Department of Environment and Conservation, Department of Agriculture, service agencies, landowners, and other consultants.

Discussions confirmed that to create a development which revitalises and harmonises with the existing townsite requires a range of elements such as creating focal points, a sense of place, balance of movement networks for pedestrian and vehicles, and provision of community facilities. It was agreed that a range of densities is essential to cater for a variety of housing choices to respond to the demographics projected by the Shire. It was also concluded that the smaller high density lots should generally be clustered around the school or public open space areas. Section 6.0 addresses the structure plan components in detail, however the following issues were required to be addressed prior to finalising the design.

5.2.1 Junior Playing Field – Dardanup Primary School

The expansion of the local primary school for provision of a junior playing field was discussed at length with respect to location, form and function, and had a significant influence on the design for the concept plan and subsequently the structure plan. Through discussions with the Department of Education and Training (DET) it was concluded that the existing size of the reserve for the school meets future needs, however both the DET and Department of Planning preferred that the orientation of the site be modified to create a better interface with the existing school, and a legible site that supported permeable movement systems and pedestrian connections. Based on these considerations officers from the Shire, Department of Education and Training (DET), and Department of Planning agreed to reconfigure the north south portion of the school reserve to east west. The site was also expanded to meet the size requirements of a junior planning field as suggested by the Shire. This design outcome will require a land swap between owners of Lot 201 Cleary's Road with the Department of Education

prior to subdivision, and provision of additional public open space to provide an interface with the school and function as a junior playing field (See DSCP Notes 1 and 2 in Attachment 1). Section 6.4 details public open space provisions and contributions for the Structure Plan and concept plan areas which includes the POS portion of the school oval/junior playing field.



Figure 5: Landswap for School Oval

A row of existing trees will mark the boundary between the school buildings and the future junior playing field. These trees will be required to be retained. This has been included as note on the concept plan to highlight that this will need to be addressed in future structure planning and subdivision proposals for the subject lots.

5.2.2 Service Industry

The strategy plan (Attachment 2) includes the location of a service/trades/light industry precinct in the south east corner of expansion area. The location of this use in a predominately residential area is considered to present the potential for future land use conflicts and inefficient use of land close to residential amenities. This issue was discussed at agency level and was agreed that this site would no longer be appropriate and an alternative site should be sought through the process of preparing the shires local planning strategy. Potential for the location of this site to the south of the structure plan as notated is indicative only and to be further considered through the Shires local planning strategy process and a future structure plan for the chosen site. It is considered more appropriate to encourage the light/service industrial precinct further south of the Dardanup townsite expansion area to provide adequate buffers to the residential environment and better visual and vehicular access to the site.

5.2.3 Railway

Lot 76 Clearys Road is dissected by portion of the south west rail reserve that discontinued freight operations in 2007. An acoustic study has been conducted by Herring Storer (Appendix D) to ensure appropriate consideration of SPP 5.4 Road and Rail Transport Noise and Freight Considerations in Land use planning which is described at Appendix A. The report presents two scenarios for train movements and acoustic measures required for the adjoining residential development should the scenarios become reality in the future. Scenario 1 considers the line being reinstated for freight use with approximately 6 movements a day (e.g. Collie line) and Scenario 2 considers the line being upgraded for passenger use or high frequency freight at 24 movements a day. Scenario

1 is considered to be the more likely scenario to influence adjacent residential development. The acoustic report highlights that the existing distance from the train line to the first row of houses meets the requirements of Policy SPP 5.4 and therefore provisions relating to noise attenuation are not required.

The Herring Storer report states that scenario 2 would only be possible if there was a significant upgrade to the existing line and in that instance a 2.0 metre high bund would need to be accommodated in the existing reserve to ameliorate noise to any adjacent development. Should the government support a significant upgrade to the line in the long term future for passenger rail or high frequency freight, clause 5.4 Redevelopment proposals for existing major road and rail infrastructure of SPP 5.4 would be pertinent for consideration by the infrastructure agency (see discussion in **Appendix A**- Section 5.5). The acoustic report indicates that the bund should be placed as close to the rail as possible within the existing reserve, and that there is area in the reserve for this to be provided.

5.2.4 Rural Landuse Buffer

The interface with rural uses is highlighted in section 6.11 of the townsite expansion strategy. Prescriptive land use buffer distances apply in situations where intensive agricultural pursuits (eg. vineyard, horticulture, dairy, poultry) are being undertaken or where there is demonstrated capability for these uses. In this instance, low intensive grazing is the capability of the adjoining land, and it is considered that the vegetated drainage swales proposed on the south and eastern boundaries provide dual purpose as a land use buffer to any noise or nuisance that may result from rural activities. The 40 metre vegetated buffer described as a guide in the expansion strategy is met on the southern edge of the structure plan and DSCP through the combined distance of the drainage swale and the Fees road reserve. The separation along the extent of the eastern boundary relies

on the 10m vegetated drainage reserve and the ability to restrict agriculture uses through the subdivision process on the portion of Lot 1 Tank road which will remain rural. A dwelling is situated east of the drainage reserve further south which will influence the introduction sensitive uses in that location. Notwithstanding these measures to ensure landuse separation, the scheme prohibits any intensive farming uses in the 'General Farming' zone which ensures the amenity will be protected. Therefore it is considered that demarcation of the Townsite by the vegetated drainage swale provides adequate visual separation and buffer to the existing rural use.

5.2.5 Mixed Business

The Dardanup townsite strategy incorporates a mixed business site located on portion of Lot 76 Clearys Road and Lot 1 Charlotte Street between the south western highway and the rail reserve. This is included in the structure plan design and provides an extension to the town centre and further support to the revitalising the townsite, also providing employment opportunities for future and existing residential areas. Prior to development, a 'Detailed area plan' will address appropriate commercial floor space, and other acceptable landuses for the site. The types of uses considered appropriate for this site are showrooms, warehouses, trade displays, hardware, farm supplies, art/craft studios and sales, plant nursery and veterinary clinic. The detailed design of site will ensure that heritage values, drainage, public open space, traffic management, parking, pedestrian linkages, and design guidelines are integrated. This plan should be developed in consultation with key stakeholders and community.

The existing use of a veterinary clinic on Lot 1 Charlotte Street has recently obtained Council approval to operate as a veterinary hospital. Section 5.7 on the townsite strategy states that separation distances are not required to be included in the structure plan, however notification on title for future residences within 500 metres should be

included notifying landowners that they may experience potential noise or nuisance from the veterinary clinic (based on the Environmental Protection Authority (EPA) separation distances for dog kennels.) EPA separation distances do not prescribe a separation distance required between a veterinary hospital and residential uses and Council does not have a bylaw to prescribe notification for this use. Therefore including notification on titles (within 500m or less) is not considered necessary particularly in view of the fact that existing dwellings are located within 100 metres of the use indicating low level concern for the impact of future operations.

5.2.6 Employment

The townsite of Dardanup is ideally located to provide existing and future residents access to a diversity of employment opportunities. The hinterland provides employment opportunities in service, tourism and agricultural industries.

There are (limited) employment opportunities within the town centre and education services that support Dardanup. The proposed mixed business site west of the rail line will provide new services and employment opportunities also. The location of a service industrial site in close proximity to the townsite to be addressed through the Shires local planning strategy will provide medium to long term employment opportunities.

The town is centrally located within the Greater Bunbury region, within proximity to significant employment generators. A 14 km trip to the Bunbury Central Business District hosts a range of existing employment opportunities. The Picton and Halifax Industrial areas are located 7 km from the Dardanup town site. The long-term expansion and development of the Preston Industrial Park will provide significant employment opportunities just 4 kms north west of town.

ROSELAND AT DARDANUP STRUCTURE PLAN July 2010

Inter regional commuting of workers to Industrial and mining operations is occurring from Bunbury to outlying areas such as Wagerup, Collie, and Capel Sands. Dardanup townsite provides an accommodation option for this working population.

Further, the Tourism industry may respond to state government tourism initiatives to boost the industry in the region. The location of the town as the entrance to the Ferguson Valley provides opportunities for accommodation for employees of hospitality and tourism.

The five industry employment opportunities highlighted above may provide a population increase greater than predicted for the Shire and locality, and therefore accommodation needs will increase. The location of the Dardanup Townsite is well located to access employment as described, and also provides an environment for support of home businesses.

5.3 Servicing

The technical reports provide certainty of the suitability and capability for the planning and development of Dardanup south for residential purposes subject to acceptable and best practice management solutions being implemented. The Golders Geotechnical Report included in **Appendix F** provides confirmation of the land capability.

5.3.1 Water and Wastewater

Reticulated water, sewer, power and telecommunications are available to the subject site. Section 3.5.2 of the Shire of Dardanup Townsite expansion strategy requires connection of the future development to reticulated sewer services and water supplies. The Water Corporation has confirmed that expansion of facilities is suitable in this

location, and capacity can be made available through system upgrades.

The existing Water Corporation sewer pump station is located in the north east corner of Lot 76 Cleary's Road. Water Corporation are able to provide services for approximately 20 new services per year, however advise that this capacity can easily be increased through some upgrades by developers. The pump station operates on a gravity feed system which provides ready access to extending services for the development.

It is recognized that the existing town's water supply pressure is an issue for the community. To ensure the situation is not worsened through increasing services, the developer intends to work with the Water Corporation to develop a system which will have adequate water pressure at a level that provides for sustainable and efficient water use.

Although reticulated water services are available to the area, rain water tanks should be encouraged in constructing each dwelling to serve the drinking water supplies of individuals' households to support efficient use of water resources and advocate sustainability principles. Along with incorporating rainwater tanks, grey water recycling should be encouraged (where capable of being approved by the Department of Health WA).

Please note that discussion with FESA and confirmation that a serviced subdivision will not require a fire management plan addresses the following Planning Policy statement included on the Structure Plan:

"A fire management plan (fmp) or confirmation from the responsible agency that the Structure Plan meets fire protection requirements and that a FMP is not necessary".

5.3.2 Traffic

Riley's consulting prepared a traffic study specifically for Lot 76 Clearys Road which is included at **Appendix D**. The study recommends that access to the southern areas will be from Cleary's Road to the north and Fees

Road to the south. Generally the recommendations include that the internal road networks should follow the guidelines provided in Liveable Neighbourhoods. The recommendation for this structure plan area is to include two tiers of the road hierarchy including neighbourhood connectors and access streets.

The upgrade of access points to the south west highway from Clearys Road and into the existing town through Brett Place and Tank Road will be necessary at the early stages of development. The structure plan indicates the provision of a roundabout at the intersection of Clearys and Charlotte street forming the entrance to the structure plan area. The details of upgrades will be addressed through preparation of a traffic study prior subdivision.

6.0 Structure Plan

Roseland at Dardanup will comprise a residential cell to support the existing and continued uses in the townsite. The design enhances and builds upon the existing nature of the townsite focussing on connections to the town centre, playing fields, and primary school as the places of community identification. The inclusion of a junior playing field as indicated on the concept plan combined with the primary school, pockets parks, and a mixed business site adds to the townsite facilities.

The structure plan offers a degree of flexibility to enable innovative and creative response to any future issues or needs that may arise. It is intended to operate as a guiding framework for subdivision and development that can evolve and adapt over time, rather than a rigid, finalised design.

Section 6.0 is to be read in conjunction with the DSCP and Structure Plan located at Attachment 1 and the provisions listed on the plan. A summary of the structure plan statistics is included in table 2 below and described further through sections 6.1 – 6.6 below:

Summary of Structure Plan Statistics Local Structure Plan Area

| Local Structure Plan Area | hectares (ha) |
|---------------------------|---------------------|
| Lot 76 East | 19.0763 |
| Lot 76 West | 1.8426 |
| Lot 1 (Portion) | 15.8900 |
| Lot 600 | 3.2562 |
| Total Area | 40.0651 |
| R Code | Estimated Dwellings |
| R20 | 310 |
| R30 | 113 |
| R40 | 49 |
| Total Estimated Dwellings | 472 |
| POS Location | hectares (ha) |
| Area D | 0.0800 |
| Area E | 0.2032 |
| Area F | 0.0292 |
| Area G | 0.8297 |
| Area H | 0.5413 |
| Area I | 0.2986 |
| Area J | 0.0302 |
| Area K | 0.4410 |
| Total | 2.4532 |
| Drainage Services | hectares (ha) |
| Rail Drain | 0.8929 (Drain 230m) |
| Area 4 | 0.1817 (Basin) |
| Area 8 | 0.0561 (Drain) |
| Area 15 | 0.2001 (Drain) |
| Area 16 | 0.2543 (Drain) |
| Area 20 | 0.0703 (Drain) |
| Area 21 | 0.4327 (Drain) |
| Total | 2.0881 |

- 1. Occupancy Ratio of 2.8 based on 'Population & Demographics:
- 2. Projections' (Shire of Dardanup October 2009) Projections to 2016 Dardanup Townsite.

Table 2: Summary of Structure Plan Statistics for Roseland at Dardanup *Summary of structure plan statistics for the Dardanup South Concept Plan is included in Attachment 1

6. I Landuse, Lot layout, and Density

The structure plan is based on the principles of traditional neighbourhood design and Liveable Neighbourhoods, reflects the objectives of the Dardanup townsite expansion strategy, and incorporates comments and suggestions raised through consultation with agencies and community. The design aims to create an authentic rural town that is responsive to the needs of the community and ensures connectedness with the town centre.

The design process has been relatively unconstrained in view of the flat topography of the site and absence of significant natural areas. The physical attribute requiring attention is Gavin's Gully which includes three irrigation channels that traverse the site. This irrigation channel was addressed in the Dardanup townsite expansion strategydrainage study which recommended that it be diverted around the periphery of the structure plan area. Therefore this does not pose a constraint to development or design within the structure plan area. Measures to redirect the irrigation channel are incorporated at the interface of the eastern and southern boundaries (this is described in section 5.1 and **Appendix C**: Drainage study). The drainage swale provides a dual function of a landuse buffer to the adjoining rural land. The drainage plan at Figure 6 indicates the location of the drainage areas which correspond to the detail in Table 2 above. The Key Elements Plan included as Figure 2 of the Local Water Management Strategy includes options for alternative drainage options to redirect the irrigation drainage outside the structure plan area.

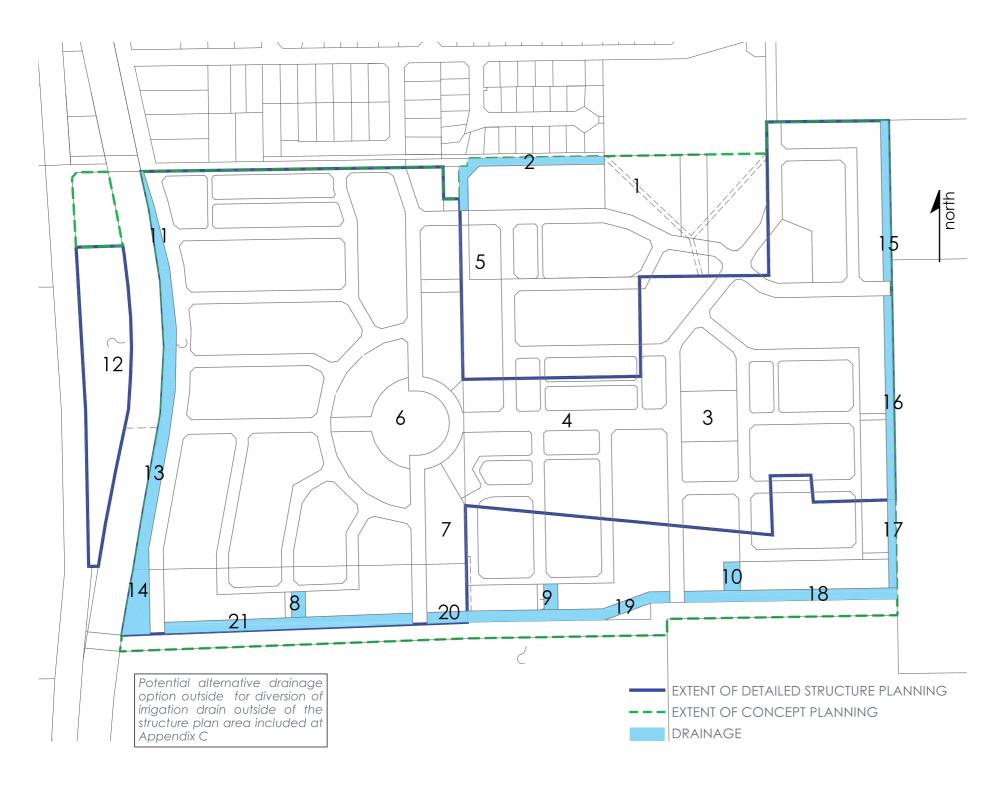


Figure 6: Roseland at Dardanup and DSCP drainage plan

Water management is fundamental to the design and has been achieved by incorporating living streams through a multi use corridor that becomes the focal point of neighbourhood design through combining limited linear open space and pocket parks. This feature ensures permeability, walkable catchments, visual access to open space and landscaped areas to all residents.

The land use classifications included on the structure plan are:

- R20 Low Density Residential
- R30 Medium Density Residential
- R40 Medium Density Residential
- Mixed Business
- Public Open Space
- Drainage

The expansion of Dardanup as depicted on the land use legend of the structure plan will provide a range of residential densities between R20 – R40 to ensure a diversity of housing and lifestyle choices. Higher densities are proposed in close proximity to the town centre, adjacent to the multiuse corridor (living streams), public open space, and the primary school in order to maximise activity and surveillance in these locations promoting the neighbourhood focal points.

The R40 density sites will be developed for grouped housing. The structure plan includes several R30 areas adjacent to the boulevard connecting the pocket parks, the open space and the school. Adjacent to the boulevard and school the R30 lots should generally be accessed via rear laneways as indicated on the structure plan in order to improve the streetscape, avoid the dominance of garages, and eliminate pedestrian interference from crossovers. The R30 sites adjacent to the linear open space and western pocket park will be developed as green title "Blocks of 4" where a battleaxe

lot will provide access to each lot that will have frontage to the road reserve or to the public open space. The lots will meet the requirements for green title subdivision and be included in the overall subdivision concept. All R30 lots will require design guidelines prepared prior to consideration of subdivision. These concepts are described further in section 6.5.

As indicated in Table 2 above, Roseland at Dardanup depicts a yield in the order of 472 dwellings. The DSCP (inclusive of Roseland at Dardanup) may facilitate the development of 592 dwellings providing an overall density of 13.26 dwelling per hectare. The net density of residential development at Roseland at Dardanup achieves a higher density of 14.01 dwellings per hectare. The net site area and density is detailed in table 3 below:

Net Density Calculations Local Structure Plan Area

| Net Density | 14.01 dwellings/booters |
|------------------------|-------------------------|
| (refer separate table) | 14.01 dwellings/hectare |
| | 1,322 (assuming |
| Estimated Population | occupancy ratio of 2.8 |
| | persons/dwelling |

| Other Non-Residential Uses | hectares (ha) |
|----------------------------------|---------------|
| Mixed Business Precinct (Lot 76) | 1.8426 |

Notes:

- 1. Occupancy Ratio of 2.8 based on 'Population & Demographics:
- 2. Projections' (Shire of Dardanup October 2009) Projections to 2016 Dardanup Townsite.

Table 3: Net Density Calculations

Net density Calculations for the Dardanup South Concept Plan are included in Attachment 1.

*Dwelling yield is approximate and subject to detailed design and WAPC subdivision approval and development approval by the Shire of Dardanup.

Subdivision staging and potential population is described in section 7.1

6.2 Movement Network

The design seeks to establish a highly permeable movement network for pedestrians, cyclists and vehicles to connect the new residential area, multi use corridor (living streams concept) and open space areas with the existing townsite and school. These connections are accentuated with strong view corridors towards the adjacent land for legibility and reinforcement of the rural setting.

The road network observes historical and traditional north-south/east –west grid pattern that also ensures sustainability objectives relating to solar passive design is catered for within the development. The road network and block structure is guided by several influences. The design endeavours to:

- Provide strong north south linkages to the existing town;
- Respond to the north east south west drainage flow across the site;
- form a modified grid structure to provide strong permeability throughout the development;
- ensure that traffic is dispersed, and distances travelled will be minimal;
- Focus the development towards to multiuse corridor central to the structure plan;
- Maximise the proportion of lots with solar orientation on the east-west axis to accommodate solar passive housing designs;
- establish strong view corridors towards the existing town and across the adjacent farmland through strategic road alignment;
- Combine functions of drainage and amenity through the location of vegetated drainage reserves adjacent the railway and immediate interface with rural landuse.
- Support provision of pedestrian and cycle paths to compliment the function of the road hierarchy and integration with the existing town

As described by Rileys Road study (**Appendix E**) neighbourhood connectors link neighborhoods and towns, and are carefully designed to calm traffic, limit noise and facilitate pedestrian use. They have frequent local traffic street connections. They should not attract substantial long distance through traffic but provide for safe and convenient local travel to and from arterial routes, usually at signal controlled intersections. Access streets are the main residential streets and provide direct lot access.

The neighbourhood connectors provide direct linkages with the existing town and include Clearys Road extension, the internal spine north south road linking Clearys Road and Fees Road via an extension through Brett Place, and an extension of Tank Road past the primary school. The neighbourhood connectors provide direct access to Fees road to the south, and opportunity for an eastern connection in the longer term.

The remaining roads are access streets and laneways. Laneways have been incorporated to provide R30 density lots rear access, and have also been included in the southern and eastern extent of the structure plan where traffic will predominantly be limited to residents and service vehicles. These lots are designed to have an outlook towards the rural land. The DSCP and structure plan indicates laneway design toward the south to also limit direct vehicular access onto Fees road to three key access points.

The local road network depicted on the structure plan may be refined further, however any such modification will need to demonstrate consistency with the design philosophy and objectives should not materially alter the intent of the Structure Plan.

6.4 Public Open Space

The Shires townsite expansion strategy requires that the 10% public open space provision for subdivision be focussed towards creating active recreation areas. Two pockets parks will be provided in the southern area to meet the liveable neighbourhood hierarchy of open space needs, achieve walkability objectives, and to provide focal points within the limited multi use corridor enhancing the living streams concept. The remaining contribution of public open space for recreation is to support expansion of the district playing facility north of town, and reorientation and expansion of the local primary school site within the DSCP to complete the active recreation needs for the Townsite.

The process of preparing the Local Water Management Strategy process and structure plan design concluded that a living streams approach would address the drainage function better than larger storage units and piping systems entirely and underpins the DSCP and Structure plan design. Therefore the public open space multiuse corridor has been incorporated to combine stormwater management, utility infrastructure, and recreational functions. Opportunity exists in the open space corridors to add value to a landscape which no longer incorporates any natural areas, and to create a focal point for the local community and thus been incorporated as a living streams approach as described in section 5.1 and **Appendix C.** The open space corridors should accommodate pedestrian and cycle paths as part of an overall walk/cycle network throughout the town.

Figure 7 includes the POS areas as described in detail on Table 2, and shows the proximity of the lots to Public Open space and parkland amenity which indicates that all lots are location within 400 metres of public open

space and the majority have access within 200 metres. This plan further highlights the strong visual and physical association each lot will have with open space and landscape areas.

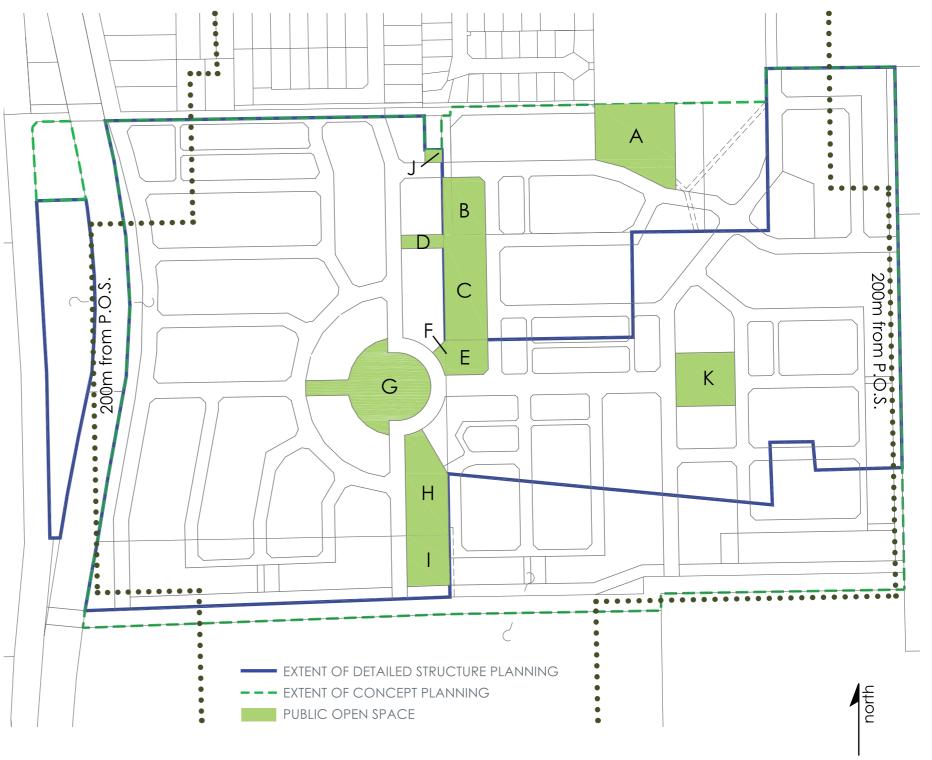


Figure 7: Public Open Space Plan for Roseland at Dardanup and DSCP

Public Open Space Calculations Local Structure Plan Area

| Deductions (Other Non-Residential Uses) | hectares (ha) |
|---|---------------|
| Mixed Business Precinct (Lot 76) | 1.8426 |
| Drainage Services | 2.0881 |
| Total Deductions | 3.9307 |

| Gross Subdivisible Area | 36.1344 ha |
|-------------------------|------------|
|-------------------------|------------|

| POS Location | hectares (ha) |
|--------------|---------------|
| Area D | 0.0800 |
| Area E | 0.2032 |
| Area F | 0.0292 |
| Area G | 0.8297 |
| Area H | 0.5413 |
| Area I | 0.2986 |
| Area J | 0.0302 |
| Area K | 0.4410 |
| Total | 2.4532 |

| Minimum Public Open Space @ 10% | 3.6134 ha |
|--------------------------------------|------------|
| Total POS proposed within Total Area | 2.4532 ha |
| POS short Fall | -1.1602 ha |

Table 4: Roseland at Dardanup Structure Plan Public Open Space
*The POS schedule for the Dardanup South Concept plan is included at Attachment 1.

Table 4 above presents the public open space (POS) schedule which confirms (based on the Structure Plan Statistics table 2) that a total of 2.45ha of the structure plan area is proposed to be ceded as public open space (POS). This presents a shortfall of 1.16ha in POS. Through the implementation phase of the structure plan and detailed preparation of the subdivision there may be some review of this shortfall should a credit for some of the drainage areas be supported. The schedule does not

include this potential as the exact details of the drainage design needs to be known for this calculation. The total agreed shortfall will then be paid as cash in lieu to Council in support of other public open space areas.

The distribution and sizing of the proposed public open space ensures that future residents have convenient access to useable recreational areas. The public open space areas of Roseland at Dardanup will have primarily a passive recreation function, although the two local pocket parks will be designed to accommodate informal active recreation. The formal active recreation pursuits will be well catered for through the junior and district playing fields planned for the townsite. Roseland at Dardanup completes the desired public open space hierarchy and the 400 metre "ped shed" of Liveable neighbourhoods through providing linear public open space, a neighbourhood park and local park that supports the junior playing field (neighbourhood park) whilst providing cash in lieu to support the Shires expansion of the District open space north of town as recommended in section 3.4.3 of the Dardanup Townsite expansion strategy.

6.5 Affordability, Built Form and Detailed Plans

Measures to improve housing affordability are provided by the structure plan design which allows for a wide variety of lot sizes and subsequently greater diversity in housing typologies. Lots may predominantly be designed to provide for the development of single storey houses, which are typically more affordable than double storey, however double storey housing will be encouraged to offer interest to the streetscape and will be actively encouraged in areas of higher density. The higher density areas may range from traditional single or double storey dwellings to smaller, single and double storey cottages and terraces. The built form controls will be carefully prepared to ensure compatibility with the materials and methods used by local builders to avoid the incursion of any significant additional costs. The built form controls for the smaller lots will also have consideration for the requirements of public housing providers.

Design guidelines will be required to be prepared for all R30 lots which include the R30 laneway lots and green title "Blocks of four" to address aspects of fencing, dwelling orientation, streetscape, building materials, access and setbacks. Laneway lots on the eastern periphery overlooking the landscaped drainage swale will also require preparation of design guidelines. Paths will be required adjacent to lots where there is an interface directly with a drainage swale or public open space.





examples of successful treatment of differing fill levels

whilst ensuring an acceptable streetscape is shown in the appendices through photos and road cross section diagrams.

The built form should be cognisant of the responsibility to achieve sustainable living. Solar passive design has the potential to greatly reduce power usage for space heating and cooling and may be implemented through building orientation, use of verandas, eaves, awnings and deciduous trees to provide summer shading, northern window placement for winter sun penetration, thermal massing, insulation and natural cross ventilation.

Internal layouts that minimise unnecessary heating and cooling of passive areas should also be encouraged. Energy use may be further reduced with the use of solar hot water systems and energy efficient appliances which will be actively promoted to all new residents. Water usage may be minimised by encouraging rainwater harvesting and grey water recycling, and use of locally appropriate landscaping and efficient reticulation methods.

The Shire has prepared a sustainability strategy which provides guidance for developers in addressing these matters prior to subdivision and development. The design





considered appropriate for this site are showrooms,

warehouses, trade displays, hardware, farm supplies, art/craft studios and sales, plant nursery and veterinary clinic.

6.5 Landscape Plans

Prior to clearance of subdivision the developer will prepare suitable landscaping plans. The landscape strategy is to provide a readily useable, aesthetic and liveable environment for future residents that embodies the local character and identity of Dardanup and responds to the limited water resources of the region. Open space areas will incorporate design elements and facilities that promote a sense of community and social interaction, and provide strong pedestrian linkages throughout the Structure Plan area. The detailing of landscape elements such as pedestrian paths, furniture and walls will be designed to reflect the character of the local area.

6.6 Community Development

The Shire of Dardanup recognised through the preparation of the Dardanup townsite expansion strategy that a community needs analysis was required to identify developer contributions to support provision of community facilities.

The Shire is preparing a Development contribution plan for the Dardanup townsite expansion area in accordance with SPP No. 3.6 Development Contributions for Infrastructure described in section 5.4 of **Appendix 1**. The Shire will progress an amendment to the local planning scheme to provide a statutory context for

community facility contributions. Should the mechanism not be introduced into the LPS prior to approval of the structure plan, a private arrangement between the land owner and the Shire may be entered into. Contributions may be used primarily towards upgrade /redevelopment of the Dardanup Townsite community centre.

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7.1 Statutory Process

Section 2.0 describes the policy context and statutory process supported by the townsite expansion strategy, Greater Bunbury Region Scheme (GBRS) and Local Planning Scheme (LPS) which will result in achieving subdivision of Roseland at Dardanup. Figure 10 below presents this process which also clarifies implementation of the structure plan.

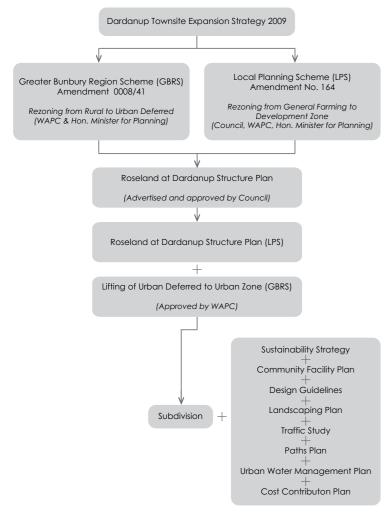


Figure 10: Statutory Planning Process

The approved structure plan will form the statutory framework to guide subdivision and development on the subject land. Whilst having statutory effect, the document is not intended to be rigid or prescriptive; however is intended to be adaptable to the changing conditions, needs and priorities of the community.

The DSCP and Structure Plan provides a comprehensive overview of the current issues and proposed responses to these issues on the basis of clear design principles. As the development progresses, it may be necessary to make variations to the local road networks and lot configurations depicted in the structure plan. The variations need to be suitably justified in accordance with the Structure Plan design principles and must appropriately respond to the issues raised in this report and/or new issues, needs or priorities.

Various detailed investigations will need to be undertaken throughout the subdivision process and prior to the issue of lot titles. These include: The onus will be on the shire or the developer to prepare the documents, and as indicated above will involve discussions either formally or informally between stakeholders in the project. This will require continuing dialogue and discussion to ensure a timely, co-operative and transparent process.

7.2 Staging Plan

Applications to subdivide the land into residential lots are intended to be lodged in stages to enable the detailed design to respond most appropriately to the needs of the community. Overall, a timeframe of 6 - 8 years is anticipated for completing lot release for Roseland at Dardanup structure Plan area. This timeframe will be largely dependent on market demand which may influence a slower or more rapid release.

The application for subdivision will be submitted in two stages. Stage 1 subdivision will include Lot 76 Clearys

| Investigations | Responsibility | Involve |
|-----------------------------|------------------------------|--|
| Sustainability Study | Shire of Dardanup | Council, Community, Developers |
| Community Facility Plan | Shire of Dardanup | Council, Community, Developers, Department of Planning |
| Design Guidelines | Developer | Shire, Department of Planning |
| Landscaping Plan | Developer | Shire, Department of Planning |
| Paths Plan | Developer | Shire, Department of Planning |
| Urban Water Management Plan | Developer | Shire, Department of Water, Department of Planning |
| Traffic study | Developer | Shire, Department of Planning |
| Cost contribution schedule | Shire of Dardanup/Landowners | Shire, Landowners |

Table 5: Implementation

7.0 Implementation

Road which will be released as soon as practicable within a timeframe of approximately 2-4 years (generally each release will be 30 lots at a time). Stage 2 will comprise Pt Lot 1 Tank road and Lot 600 Fees Road may be submitted in 2012 for release over 3-6 years. It is anticipated that all lots within the structure plan area will be released by 2016 – 2018 providing the opportunity for full occupation by 2020.

Stage 1 and Stage 2 proposed through the adoption of Roseland at Dardanup Structure Plan advances the first stages of subdivision for the Dardanup Townsite expansion area. These initial subdivision stages contain the critical components for the townsite expansion as it:

- Represents a logical southern expansion of the town based on the location of the wastewater services,
- Provides the entry statement to the expansion area and access for development of the mixed business
- Provides the two key neighbourhood connectors (through Brett Place and Tank Road) which provide the movement systems to support future development of the school junior playing field and development of the multiuse corridor essential for management of surface water and improvement at the interface with the existing town,
- Contributes to upgrading and expansion of the district playing facility and community centre.

7.2.1 Population and Land Supply

The Shires Population and Demographics report estimates population growth for the town of Dardanup as shown in Table 7 below. However, it is also noted that the townsite expansion strategy suggests a population of up to 4,000

persons may be achieved by 2031. To achieve the population of 4000 by 2031 would require a higher growth rate and dwelling yield than projected by the Shires report included in Table 7 below.

| 2006 | 2011 | 2016 | 2021 | 2026 |
|------|------|------|-------|-------|
| 363 | 369 | 978 | 1,607 | 2,253 |

Table 6: Extract from the Shire of Dardanup Population and Demographics (2009)

| Density Lot/Dwelling Yield | | Ratio of persons | Projected Population |
|----------------------------|-----|------------------|-------------------------|
| DSCP | 568 | 2.8 | 1660 |
| Roseland at Dardanup 432 | | 2.8 | 1322 |

Table 7: Lot Yield and Population Projection

Based on conservative growth estimates of the townsite included in Table 6, the town will need to provide homes for an additional 1244 people by 2021. As indicated in Table 7, Roseland at Dardanup may provide homes for a population of approximately 1322. The anticipated release of lots by 2016/2018 at Roseland at Dardanup will cater for this population growth providing the necessary timeframe for dwelling approval and construction to enable occupancy by 2020/2021.

Should growth rates and demand exceed the projections under the Shires Population and Demographics report as suggested in the townsite strategy, lot release at Roseland at Dardanup may progress at a more rapid rate, whilst planning for the remaining expansion area is progressed.

Attachment I

Roseland at Dardanup Structure Plan and Dardanup South Concept Plan and Tables

Roseland at Dardanup Structure Plan

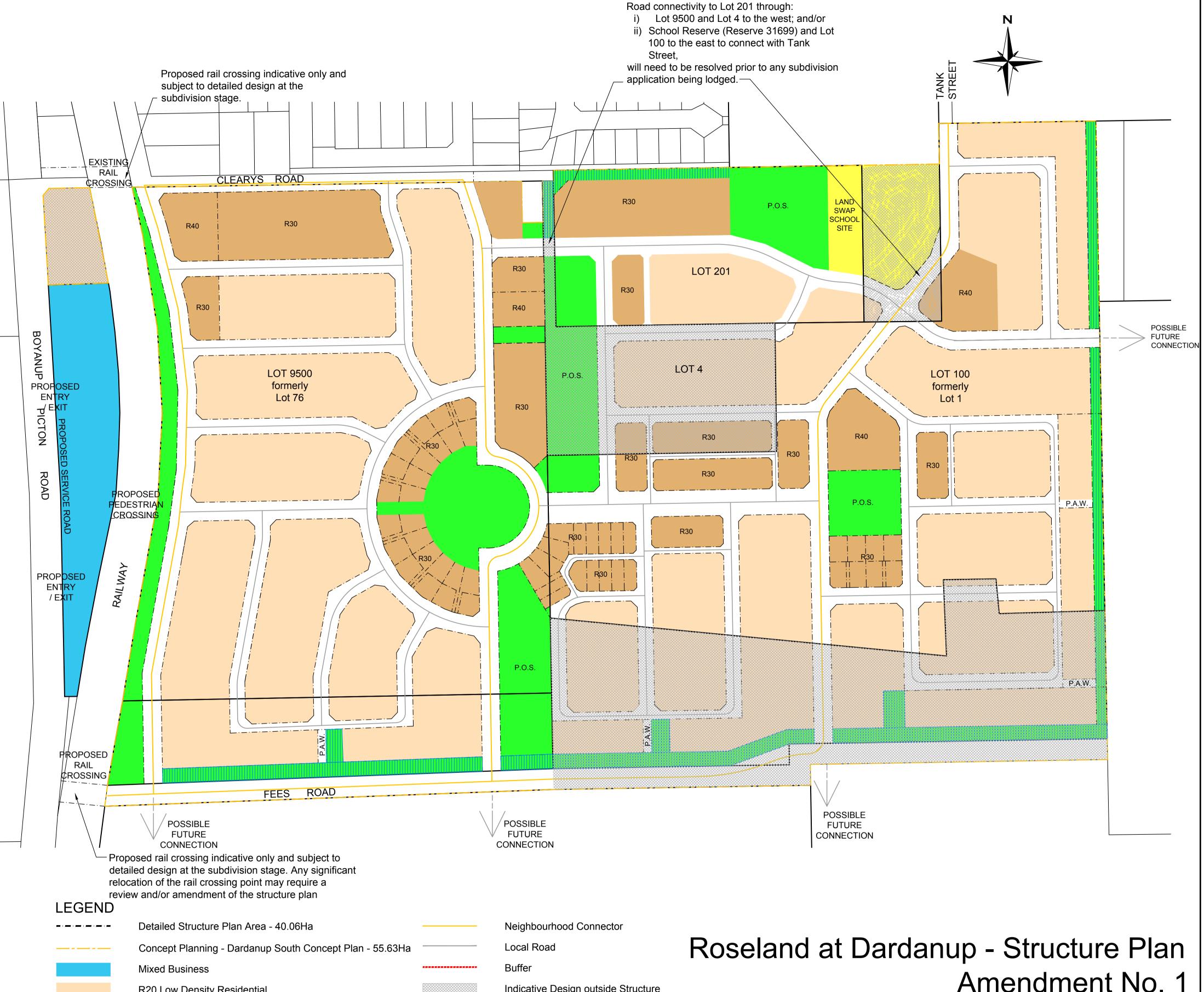
Subdivision and Development Requirements

- This structure plan is prepared in accordance with Clause 3.15.7.1 of the Shire of Dardanup Town Planning Scheme No. 3 which provides a framework for future detailed planning at the subdivision and development stage.
- The Structure Plan requires a variety of residential lot sizes and densities, including medium density (R30 and R40), in conjunction with a primary residential density of R20 to be implemented as depicted on the plan.
- Residential development shall be in accordance with the Residential Design Codes unless otherwise provided for in the Shire of Dardanup Town Planning Scheme.
- 4. All development to be provided with connection to reticulated water and sewerage services.
- The local street networks depicted shall be subject to refinement and modifications at subdivision stage.
- Road design, drainage and public open space linkages are required generally in accordance with the structure plan and the endorsed Local Water Management Strategy.
- Detailed road and drainage design will need to be provided relating to the extension of Brett Place to the structure plan area. The drainage design will include the removal of drainage infrastructure currently located in Brett Place to be incorporated into drainage systems in the Structure Plan Area.
- Existing dwellings to be retained should have access to an internal subdivision road.
- All lots with a density of R30 and R40 on the plan shall be subject to detailed design guidelines indicating interface with public open space, surveillance, fencing, paths, landscaping and building orientation.
- 10. The eastern and southern lots adjoining the drainage reserve and laneways to be oriented to face east or south respectively. Pathways to be provided as an interface between the lots and drainage reserve. Design Guidelines are required to be prepared prior to development.
- 11. A 'Detailed Area Plan' is to be prepared for the Mixed Business site to address appropriate land uses. The types of uses considered appropriate for this site are showrooms, warehouses, trade displays, hardware, farm supplies, art/craft studios and sales, plant nursery and veterinary clinic. The detailed design of site will ensure that heritage values, drainage, public open space, traffic management, parking, pedestrian linkages, and design guidelines are integrated.
- 12. The following shall be finalised, to the satisfaction of the Shire of Dardanup prior to subdivision approvals in the structure plan area:
 - a. Implementation of the Department of Water endorsed *Local Management Strategy* through the production of an Urban Water Management Plan being submitted with the applications for relevant stages of subdivision.
 - b. The key outcomes of the Shire endorsed Sustainability Implementation Strategy are to be implemented through subdivision design and where necessary conditions of subdivision.
 - c. Preparation of a traffic study and a paths plan in accordance with the Shire's guidelines. d. The preparation of suitable landscaping plans. Any such plans are to include the use of local endemic plant species that occur within the relevant vegetation complexes and soil
 - e. A cost contributions schedule is to be prepared and endorsed by the Shire of Dardanup prior to the clearance of relevant subdivision that identifies necessary community facilities, public open space development, Dardanup Primary School site and infrastructure to the satisfaction of the Shire of Dardanup and the Western Australian Planning Commission and the Department of Education and Training.
 - f. The Multiple Use Corridors, location and width, are subject to further assessment at the detailed design stage. Corridors are to be established to provide open space and drainage linkages, pedestrian and cycle movements.
- 13. The following shall be requested as conditions of subdivision for the relevant stage:
 - a. A masonary wall is required to be constructed on the boundary between the sewer pump station and the R20 site and landscaping to be installed within the sewer pump station site, subject to Watere Corporation approval.
 - b. The Noise Mitigation Study is to be assessed by the Public Transport Authority and Main Roads (if required) in accordance with SPP 5.4 and where required any noise mitigation measures to be implemented.
- 14. Suitable arrangements being made to guarantee the full contruction of the north-south neighbourhood connector linking with Tank Street in conjunction with any subdivision approval granted for Lot 100 Tank Street.

Dardanup South Concept Plan Notes

types in the locality.

- The expansion of the Dardanup Primary School site is to form part of the costs contributions plan to ensure equitable compensation of the landowner(s) that cede the site by the payment in lieu from the Shire of Dardanup and agreed land swap by the Education Department.
- A land swap is required to be entered into between the Department of Education and landowner of Lot 201 prior to subdivision to be confirmed by way of a memorandum of understanding signed by the Department of Education.
- Significant stands of vegetation on the Dardanup Primary School site will be preserved and the Department of Education and Training is to take this into consideration when developing the plans for the site in the future.
- The existing dwelling on Clearys Road may be retained and have access to an internal subdivison road.
- All proposed and existing railway crossings and associated intersections are indicative only and subject to detailed design at the subdivision stage.



R20 Low Density Residential

R30 and R40 Medium Density Residential

Public Open Space Drainage

COPYRIGHT

Public Purpose - Education

1:2000 Do Not Scale

Indicative Design outside Structure

Plan Area

IT IS CERTIFIED THAT AMENDMENT NO. 1 TO ROSELAND AT DARDANUP STRUCTURE PLAN WAS APPROVED BY RESOLUTION OF THE WESTERN AUSTRALIAN PLANNING COMMISSION ON: 15

Signed for and on behalf of the Western Australian Planning Commission

PO Box 2035 an officer of the Commission duly authorised by the Commission pursuant to Section 16 of the Planning and Development Act 2005 for that purpose Website: www.mpmdc.com.au

Drawing No.: 0908-06

107 Beach Road **BUNBURY WA 6231**

Telephone: (08)97 214777 Facsimile: (08)97 214666 Email: reception@mpmdc.com.au

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Total Concept Plan Area Summary of Structure Plan Statistics

| Concept Pla | | Tidii sidiisiic | - | | | (ha) |
|-------------|-----------------|-----------------|-------------------|---------|----------------|-------------------|
| • | Lot 76 | East | 1 | 19.0763 | | , |
| | Lot 76 | West | | 1.8426 | | |
| | Lot 1 (Portion) | | 1 | 15.8900 | | |
| | Lot 600 | | | 3.2562 | | |
| | Lot 601 | | | 6.4900 | | |
| | Lot 201 | | | 4.4981 | | |
| | Lot 4 | | | 2.8999 | | |
| | | Reserve 31696 | | 1.1366 | | |
| | Lot 1 (SW High | | | 0.4641 | | |
| | Total Area | way) | | 0.4041 | | 55.5538 |
| Owellings | 7014171104 | R Code | | | Estimate | d No of Dwellings |
| Ū | | R20 | | 393 | | · · |
| | | R30 | | 148 | | |
| | | R40 | | 52 | | |
| Total Estim | ated Dwellings | | | | | 593 |
| let Density | (refer separate | table) | | | 13.26 d | lwellings/ha |
| opulation | | Estimated Po | pulation | | | 1,660 |
| | | (assuming oc | cupancy ratio of | 2.8 per | sons/dwelling) | |
| Schools (| shared catchme | nt) P | rimary (portion |) | | 1.1338 |
| | | | | | | (ha) |
| POS | | Area A | | | | 0.7790 |
| | | Area B | | | | 0.2663 |
| | | Area C | | | | 0.6921 |
| | | Area D | | | | 0.0800 |
| | | Area E | | | | 0.2032 |
| | | Area F | | | | 0.0292 |
| | | Area G | | | | 0.8297 |
| | | Area H | | | | 0.5413 |
| | | Area I | | | | 0.2986 |
| | | Area J | | | | 0.0302 |
| | | Area K | | | | 0.4410 |
| | | Total | | | | 4.1906 |
| Other Non- | Residential Use | S | | | | |
| | | Mixed Busine | ess Precinct (Lot | 76) | | 1.8426 |
| | | Mixed Busine | ess Precinct (Lot | 1) | | 0.4641 |
| Services | Drainage | Rail Drain | | 0.8929 | Drain | |
| | | Area 2 | | 0.1632 | Drain 240m | |
| | | Area 4 | | 0.1817 | Drain 230m | |
| | | Area 8 | | 0.0561 | Basin | |
| | | Area 9 | | 0.0561 | Basin | |
| | | Area 10 | | 0.0726 | Basin | |
| | | Area 15 | | 0.2001 | | |
| | | Area 16 | | 0.2543 | | |
| | | Area 17 | | 0.1097 | | |
| | | Area 18 | | 0.3710 | | |
| | | Area 19 | | 0.3586 | | |
| | | Area 20 | | 0.0703 | | |
| | | Area 21 | | 0.4327 | | |
| | | Total | | 5.1521 | - 1 4111 | 3.2193 |

Notes: 1. Occupancy Ratio of 2.8 based on 'Population & Demographics: Projections' (Shire of Dardanup October 2009) Projections to 2016 Dardanup Townsite

2. Refer to attached figures for POS and Drainage Area locations

Total Concept Plan Area Public Open Space Calculations

| Total Area of Concept Plan Are | 55.5538 ha | |
|--------------------------------|--|------------------|
| Deductions | | |
| School | Primary (portion) | 1.1338 ha |
| Other Non-Reside | ential Uses Mixed Business Precinct (Lot 76) | 1.8426 ha |
| | Mixed Business Precinct (Lot 1) | 0.4641 ha |
| Services | Drainage | 3.2193 ha |
| Total Deductions | | 6.6598 ha |
| Gross Subdivisible Area | | 48.8940 ha |
| Minimum Public Open Space @ | 9 10% | 4.8894 ha |
| Total POS proposed within Tot | al Area | 4.1906 ha |
| POS Shortfall | | 0.6988 ha |

Total Concept Plan Area Nett Density Calculations

| Total Area | of Local Structure Plan Area | | | | 40.0651 ha |
|-------------|---------------------------------------|------------|------------------|-----------|--------------|
| Deductions | For Calculating Net Site Area | | | | |
| | POS | Area D | (passive) | 0.0800 | |
| | | Area E | (passive) | 0.2032 | |
| | | Area F | (passive) | 0.0292 | |
| | | Area G | (passive) | 0.8297 | |
| | | Area H | (passive) | 0.5413 | |
| | | Area I | (passive) | 0.2986 | |
| | | Area J | (passive) | 0.0302 | |
| | | Area K | (passive) | 0.4410 | |
| | | Total | | | 2.4532 ha |
| | Other Non-Residential Uses | Mixed Busi | ness Precinct (L | ot 76) | 1.8426 ha |
| | Services - Drainage | Rail Drain | | 0.8929 | |
| | | Area 4 | Drain | 0.1817 | |
| | | Area 8 | Basin | 0.0561 | |
| | | Area 15 | Drain | 0.2001 | |
| | | Area 16 | Drain | 0.2543 | |
| | | Area 20 | Drain | 0.0703 | |
| | | Area 21 | Drain | 0.4327 | 2.0881 ha |
| | Total Net Site Area Deductions | | | | 6.3839 ha |
| Net Site Ar | ea | | | | 33.6812 ha |
| Owellings | R Code | | Estimated No | Dwellings | |
| | R20 | | 310 |) | |
| | R30 | | 113 | | |
| | R40 | | 49 | 1 | |
| Γotal Estim | ated Dwellings | | | | 472 |
| Nett Densit | ty | | | 14.01 | dwellings/ha |

Notes: 1. Occupancy Ratio of 2.8 based on 'Population & Demographics: Projections' (Shire of Dardanup October 2009) Projections to 2016 Dardanup Townsite

2. Drainage Area 12 excluded from deuctions as located within Mixed Business Precinct which is already an exclusion area

Total Local Structure Plan Area Summary of Structure Plan Statistics

| 30mmai) | | , i idii sidiisii | | |
|-------------|--------------------------|-------------------|----------------------------|---------------------------|
| Local Struc | ture Plan Area | | | (ha) |
| | Lot 76 | East | 19.0763 | |
| | Lot 76 | West | 1.8426 | |
| | Lot 1 (Portion) | | 15.8900 | |
| | Lot 600 | | 3.2562 | |
| | Total Area | | | 40.0651 |
| Dwellings | | R Code | | Estimated No of Dwellings |
| | | R20 | 310 | |
| | | R30 | 113 | |
| | | R40 | 49 | |
| Total Estim | nated Dwellings | | | 472 |
| Net Densit | y (refer separate | e table) | | 14.01 dwellings/hectare |
| Population | 1 | Estimated Po | opulation | 1,322 |
| | | (assuming o | ccupancy ratio of 2.8 pers | sons/dwelling) |
| | | | | (ha) |
| POS | | Area D | 0.0800 | |
| | | Area E | 0.2032 | |
| | | Area F | 0.0292 | |
| | | Area G | 0.8297 | |
| | | Area H | 0.5413 | |
| | | Area I | 0.2986 | |
| | | Area J | 0.0302 | |
| | | Area K | 0.4410 | |
| | | Total | | 2.4532 |
| Other Non | -Residential Use | es | | |
| | | Mixed Busin | ess Precinct (Lot 76) | 1.8426 |
| Services | Drainage | Rail Drain | 0.8929 | Drain |
| | | Area 4 | 0.1817 | Drain 230m |
| | | Area 8 | 0.0561 | Basin |
| | | Area 15 | 0.2001 | Drain |
| | | Area 16 | 0.2543 | Drain |
| | | Area 20 | 0.0703 | Drain |
| | | Area 21 | 0.4327 | Drain |
| | | Total | | 2.0881 |
| | | | | |

Notes: 1. Occupancy Ratio of 2.8 based on 'Population & Demographics: Projections' (Shire of Dardanup October 2009) Projections to 2016 Dardanup Townsite

2. Refer to attached figures for POS and Drainage Area locations

Total Local Structure Plan Area Nett Density Calculations

| Total Area | of Local Structure Plan Area | | | | 40.0651 ha |
|-------------|---------------------------------------|------------|------------------|-----------|--------------|
| Deductions | For Calculating Net Site Area | | | | |
| | POS | Area D | (passive) | 0.0800 | |
| | | Area E | (passive) | 0.2032 | |
| | | Area F | (passive) | 0.0292 | |
| | | Area G | (passive) | 0.8297 | |
| | | Area H | (passive) | 0.5413 | |
| | | Area I | (passive) | 0.2986 | |
| | | Area J | (passive) | 0.0302 | |
| | | Area K | (passive) | 0.4410 | |
| | | Total | | | 2.4532 ha |
| | Other Non-Residential Uses | Mixed Busi | ness Precinct (I | Lot 76) | 1.8426 ha |
| | Services - Drainage | Rail Drain | | 0.8929 | |
| | | Area 4 | Drain | 0.1817 | |
| | | Area 8 | Basin | 0.0561 | |
| | | Area 15 | Drain | 0.2001 | |
| | | Area 16 | Drain | 0.2543 | |
| | | Area 20 | Drain | 0.0703 | |
| | | Area 21 | Drain | 0.4327 | 2.0881 ha |
| | Total Net Site Area Deductions | | | | 6.3839 ha |
| let Site Ar | ea | | | | 33.6812 ha |
| Owellings | R Code | | Estimated No | Dwellings | |
| | R20 | | 310 | 0 | |
| | R30 | | 113 | 3 | |
| | R40 | | 49 | 9 | |
| otal Estim | ated Dwellings | | | | 472 |
| lett Densit | ty | | | 14.01 | dwellings/ha |

Notes: 1. Occupancy Ratio of 2.8 based on 'Population & Demographics: Projections' (Shire of Dardanup October 2009) Projections to 2016 Dardanup Townsite

2. Drainage Area 12 excluded from deuctions as located within Mixed Business Precinct which is already an exclusion area

Total Local Structure Plan Area

Public Open Space Calculations

| Total Area of Local Structure Plan Area 40.00 | | | | | |
|--|----------------------------------|-----------|--|--|--|
| Deductions | | | | | |
| Other Non-Residential Uses | Mixed Business Precinct (Lot 76) | 1.8426 ha | | | |
| Services | Drainage | 2.0881 ha | | | |
| Total Deductions | | 3.9307 ha | | | |
| Gross Subdivisible Area 36.1344 ha | | | | | |
| Minimum Public Open Space @ 10% | | 3.6134 ha | | | |
| Total POS proposed within Total Area 2.4532 ha | | | | | |
| POS short Fall | -1.1602 ha | | | | |

Attachment 2

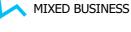
Dardanup Townsite Expansion Strategy Map



POSSIBLE UPGRADE OF GAVINS GULLY DRAIN TO MITIGATE THE RISK OF FLOODING

0m 200m 400m SCALE 1:10,000 @ A3

LEGEND



PUBLIC OPEN SPACE

SERVICE TRADES / LIGHT INDUSTRY

DEVELOPMENT STAGE BOUNDARY

PLANNING POLICY STATEMENTS

This Strategy Plan serves as a guide to future detailed structure planning and rezoning amendments.

Subdivision and development within the identified expansion areas is not to occur until such time as the land is appropriately zoned in both the Greater Bunbury Region Scheme and the Local Planning Scheme and a detailed Structure Plan has been endorsed by the Shire and the WAPC.

Structure plans and Scheme Amendments may apply to either the whole expansion are or parts thereof.

Subdivision of land will only be supported where consistent with the staging requirements of this Strategy.

The vision for Dardanup is to achieve an attractive, well serviced and sustainable village within a rural setting, with a population of up to 4,000 persons. All structure Plans are to demonstrate consistency with this vision.

Structure Plans are to be prepared in accordance with the provisions of the Local Planning Scheme No. 3 applicable to the 'Development' Zone and 'Liveable Neighbourhoods' design policy.

If a Structure Plan is submitted for a portion of the identified expansion area only, it is to be accompanied by a Concept Plan for the balance of the expansion area which identifies how the proposal will link with, and be complementary to, the future planning of surrounding and adjoining Structure Plan areas.

As a minimum, the areas of public open space as shown on the Strategy Plan are to be identified for public open space purposes on any Structure Plan and ceded to the Crown as a condition of subdivision. The vesting and long term management of POS areas is to be resolved at the Structure Plan stage.

Structure Plan(s) are to identify vegetated buffers at the interface of residential expansion and the surrounding rural area which are to be inclusive of roads and screen vegetation. If necessary, Structure Plans are to identify suitable measures for mitigating noise from major road or rail infrastructure.

Structure Plan(s) are to be accompanied by the following documents:

A Fire Management Plan (FMP) or confirmation from the responsible agency that the Structure Plan meets fire protection requirements and that a FMP is not necessary;

A community needs analysis which is to determine the requirement for any necessary community facilities and infrastructure and the subdividers responsibility for their provision, including monetary contributions consistent with draft SPP 3.6;

A Sustainability Outcomes and Implementation Plan which details the targets and method of delivery in respect to 'Sustainability Outcomes' inclusive of:

On-site power generation;

On-site water capture and re-use:

Re-use of grey water;

Correct housing orientation for passive heating and cooling;

Provision of affordable housing; and

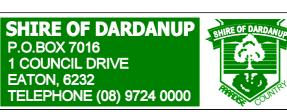
Investigate the feasibility of the provision of public transport and the integration of the subdivision and future built form with public transport.

A Local Water Management Strategy.

Structure Plan(s) are to include a requirement for the preparation and endorsement of Design Guidelines prior to subdivision. Design Guidelines are to ensure a theme of development which is consistent with the vision for Dardanup.

Subdivision and development of land identified for retain, mixed business and light industry purposes on the Strategy Plan is not to occur until the land is suitably zoned and a Structure Plan endorsed by the Shire and WAPC.

Chief Executive Officer



DARDANUP TOWNSITE EXPANSION STRATEGY MAP

SCALE 1:10,000 | DRG No: T&P020-08 Rev 5 | DATE DRN: 20-05-09 **AUTHORISED: R.OUINN**

Attachment 3

Assessment of Expansion Strategy Guidelines and PPS

Assessment of Expansion Strategy Guidelines and Planning Policy statements

Planning Policy statements
A number has been allocated to each Planning Policy Statement indicated on the Townsite expansion strategy map (Attachment 2) and referred to in the following table as PPS (No).

| Statement Variance(V) 5.1 Residential Expansion Area C Attachment 1 DSCP 2.0 Planning Context 6.3 Residential 7.2 Stagling 5.2 Accessibility and convenience C 1.1 Location 6.2 Movement Networks Appendix E Rileys Traffic Report 5.3 Traffic and Road Capacities C 5.3.2 Traffic 6.2 Movement Networks Attachment 1 Structure Plan (provisions 3,4,5 and 11 x) Appendix E Rileys Traffic Report 5.5 Mixed Business Precinct C 5.2.5 Mixed Business 6.5 Affordability, Built form and Detailed Plans 5.6 Service Trades/Light Industrial Precinct (P29) V 5.2.2 Service Industry 6.6 Service Trades/Light Industrial Precinct (P31) V 5.2.5 Mixed Business Attachment 1 (provision x) 5.7 Veterinary Clinic G.9 70A notification C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A — Section 6.0 Liveable Neighbourhoods | Relevant Guideline/Planning Policy | Comply (C) | Report/Structure Plan Reference |
|--|------------------------------------|-------------|--|
| 2.0 Planning Context 6.3 Residential 7.2 Staging 5.2 Accessibility and convenience C 1.1 Location 6.2 Movement Networks Appendix E Rileys Traffic Report 5.3 Traffic and Road Capacities C 5.3.2 Traffic 6.2 Movement Networks Attachment 1 Structure Plan (provisions 3,4,5 and 11 x) Appendix E Rileys Traffic Report 5.5 Mixed Business Precinct C 5.2.5 Mixed Business 6.5 Affordability, Built form and Detailed Plans 5.6 Service Trades/Light Industrial Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.8 Greater Bunbury Region Scheme C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A 5.2.1 Junior Playing Field- Dardanup Primary School 6.4 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A – Section 6.0 | Statement | Variance(V) | |
| 6.3 Residential 7.2 Staging 5.2 Accessibility and convenience C 1.1 Location 6.2 Movement Networks Appendix E Rileys Traffic Report 5.3 Traffic and Road Capacities C 5.3 Traffic 6.2 Movement Networks Attachment 1 Structure Plan (provisions 3,4,5 and 11 x) Appendix E Rileys Traffic Report 5.5 Mixed Business Precinct C 5.2.5 Mixed Business 6.5 Affordability, Built form and Detailed Plans 5.6 Service Trades/Light Industrial Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.8 Greater Bunbury Region Scheme C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | 5.1 Residential Expansion Area | С | |
| 5.2 Accessibility and convenience C 1.1 Location 6.2 Movement Networks Appendix E Rileys Traffic Report 5.3 Traffic and Road Capacities C 5.3.2 Traffic 6.2 Movement Networks Appendix E Rileys Traffic Report 5.3 Traffic and Road Capacities C 5.3.2 Traffic 6.2 Movement Networks Attachment 1 Structure Plan (provisions 3,4,5 and 11 x) Appendix E Rileys Traffic Report 5.5 Mixed Business Precinct C 5.2.5 Mixed Business 6.5 Affordability, Built form and Detailed Plans 5.6 Service Trades/Light Industrial Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification C 5.2.5 Mixed Business Attachment 1 (provision x) 5.8 Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | | | |
| 5.2 Accessibility and convenience C 1.1 Location 6.2 Movement Networks Appendix E Rileys Traffic Report 5.3 Traffic and Road Capacities C 5.3.2 Traffic 6.2 Movement Networks Attachment 1 Structure Plan (provisions 3,4,5 and 11 x) Appendix E Rileys Traffic Report 5.5 Mixed Business Precinct C 5.2.5 Mixed Business 6.5 Affordability, Built form and Detailed Plans 5.6 Service Trades/Light Industrial Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.8 Greater Bunbury Region Scheme C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A Section 6.0 Partial V Appendix A - Section 6.0 Liveable Neighbourhoods 6.4 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | | | |
| Appendix E Rileys Traffic Report 5.3 Traffic and Road Capacities C 5.3.2 Traffic 6.2 Movement Networks Attachment 1 Structure Plan (provisions 3,4,5 and 11 x) Appendix E Rileys Traffic Report 5.5 Mixed Business Precinct C 5.2.5 Mixed Business 6.5 Affordability, Built form and Detailed Plans 5.6 Service Trades/Light Industrial Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.8 Greater Bunbury Region Scheme C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V Partial V C 5.2.1 Junior Playing Field- Dardanup Primary School 6.4 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | 5.2 Accessibility and convenience | С | |
| 5.3 Traffic and Road Capacities C 5.3.2 Traffic 6.2 Movement Networks Attachment 1 Structure Plan (provisions 3,4,5 and 11 x) Appendix E Rileys Traffic Report 5.5 Mixed Business Precinct C 5.2.5 Mixed Business 6.5 Affordability, Built form and Detailed Plans 5.6 Service Trades/Light Industrial Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.8 Greater Bunbury Region Scheme C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V C S1.3.2 Traffic 6.2 Movement Networks Attachment 1 (provisions x) 5.2.2 Fervice Industry 6.5 Attachment 1 (provision x) 5.2.2 Fervice Industry 5.2.2 Fervice Industry 5.2.2 Fervice Industry 6.5 Aftachment 1 (provision x) 5.2.2 Fervice Industry 6.5 Aftachment 1 (provision x) 5.2.2 Fervice Industry 5.2.2 Fervice Industry 5.2.2 Fervice Industry 6.5 Aftachment 1 (provision x) 5.2.2 Fervice Industry 5.2.2 Fervice Industry 5.2.2 Fervice Industry 6.5 Aftachment 1 (provision x) 5.2.2 Fervice Industry 5.2.2 Fervice Industry 5.2.2 Fervice Industry 6.5 Aftachment 1 (provision x) 5.2.2 Fervice Industry 5.2.2 Fervice Industry 6.5 Aftachment 1 (provision x) 5.2.2 Fervice Industry 6.5 Aftachment 1 (provision x) 6.6 Attachment 1 (provision x) 6.7 Attachment 1 (provision x) 6.8 Attachment 1 (provision x) 6.9 Attachment 1 (provision x) 6.1 Attachment 1 (provision x) 6.2 Attachment 1 (provision x) 6 | | | 6.2 Movement Networks |
| 6.2 Movement Networks Attachment 1 Structure Plan (provisions 3,4,5 and 11 x) Appendix E Rileys Traffic Report 5.5 Mixed Business Precinct C 5.2.5 Mixed Business 6.5 Affordability, Built form and Detailed Plans 5.6 Service Trades/Light Industrial Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.2.5 Mixed Business Attachment 1 (provision x) 5.8 Greater Bunbury Region Scheme C 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V C Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | | | Appendix E Rileys Traffic Report |
| Attachment 1 Structure Plan (provisions 3,4,5 and 11 x) Appendix E Rileys Traffic Report 5.5 Mixed Business Precinct C 5.2.5 Mixed Business 6.5 Affordability, Built form and Detailed Plans 5.6 Service Trades/Light Industrial Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.2.5 Mixed Business Attachment 1 (provision x) 5.8 Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | 5.3 Traffic and Road Capacities | С | 5.3.2 Traffic |
| and 11 x) Appendix E Rileys Traffic Report 5.5 Mixed Business Precinct C 5.2.5 Mixed Business 6.5 Affordability, Built form and Detailed Plans 5.6 Service Trades/Light Industrial Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.2.5 Mixed Business 6.9 70A notification C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V Partial V C C C C C C Partial V C C C C C C C C C C C C C C C C C C C | | | 6.2 Movement Networks |
| 5.5 Mixed Business Precinct C S.2.5 Mixed Business 6.5 Affordability, Built form and Detailed Plans 5.6 Service Trades/Light Industrial Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.2.5 Mixed Business Attachment 1 (provision x) 5.8 Greater Bunbury Region Scheme C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V School 6.4 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | | | |
| 5.6 Service Trades/Light Industrial Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.8 Greater Bunbury Region Scheme C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V 6.5 Affordability, Built form and Detailed Plans 6.2.2 Service Industry 5.2.2 Service 6.9 Partial V 5.2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Public Open Space 6.2 Public Open Space 6.3 Public Open Space | | | Appendix E Rileys Traffic Report |
| 5.6 Service Trades/Light Industrial Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.8 Greater Bunbury Region Scheme C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V C Section 6.0 Appendix A - Section 6.0 C Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | 5.5 Mixed Business Precinct | С | 5.2.5 Mixed Business |
| Precinct (P29) 6.6 Service Trades/Light Industrial Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.8 Greater Bunbury Region Scheme C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V C Partial V C Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | | | 6.5 Affordability, Built form and Detailed Plans |
| Precinct (P31) 5.7 Veterinary Clinic 6.9 70A notification 5.8 Greater Bunbury Region Scheme C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V Partial V Appendix A - Section 6.0 Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | | V | 5.2.2 Service Industry |
| 6.9 70A notification 5.8 Greater Bunbury Region Scheme C 2.2 The Greater Bunbury Region Scheme 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V C Section 6.0 Future C Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.4 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | _ | | |
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| 7.1 Statutory Process 6.1 Framework For Future Development C 2.0 Planning Context 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.4 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | 6.9 70A notification | | Attachment 1 (provision x) |
| 6.1 Framework For Future Development 6.2 Residential 6.2 Residential C Section 6.0, Attachment 1 Appendix A — Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V C Section 6.0 Liveable Neighbourhoods 6.4 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A — Section 6.0 | 5.8 Greater Bunbury Region Scheme | С | 2.2 The Greater Bunbury Region Scheme |
| Development 7.0 Implementation Appendix A 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V C Partial V C Partial V Appendix A - Section 6.0 Liveable Neighbourhoods Attachment 1 DscP and Structure Plan Appendix A - Section 6.0 | | | 7.1 Statutory Process |
| 6.2 Residential C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods C Partial V C Section 6.0, Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods C Partial V Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods Attachment 1 Dacpardanup Primary School 6.4 Public Open Space Attachment 1 Dscp and Structure Plan Appendix A - Section 6.0 | | С | 2.0 Planning Context |
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| Attachment 1 Appendix A - Section 6.0 Liveable Neighbourhoods 6.3 Public Open Space C Partial V 5.2.1 Junior Playing Field- Dardanup Primary School 6.4 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A - Section 6.0 | | | Appendix A |
| Appendix A – Section 6.0 Liveable Neighbourhoods C School Partial V School 6.4 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A – Section 6.0 | 6.2 Residential | С | Section 6.0, |
| Neighbourhoods 6.3 Public Open Space C Partial V 5.2.1 Junior Playing Field- Dardanup Primary School 6.4 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A – Section 6.0 | | | Attachment 1 |
| Partial V School 6.4 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A – Section 6.0 | | | 1 '' |
| 6.4 Public Open Space Attachment 1 DSCP and Structure Plan Appendix A – Section 6.0 | 6.3 Public Open Space | | 5.2.1 Junior Playing Field- Dardanup Primary School |
| Appendix A – Section 6.0 | | • | 6.4 Public Open Space |
| | | | Attachment 1 DSCP and Structure Plan |
| 6.7 Service Infrastructure C 5.3 Servicing | | | Appendix A – Section 6.0 |
| ı ı | 6.7 Service Infrastructure | С | 5.3 Servicing |
| Attachment 1- provision 2 | | | Attachment 1- provision 2 |

| | | Appendix F – Golders Geotehnical Report |
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| | | Appendix E - Rileys Traffic Report |
| | | Appendix D- TME Drainage Study |
| 6.8 Infrastructure Upgrades | С | 5.3 Servicing |
| | | 6.2 Movement Networks |
| | | 6.6 Community Development |
| | | Attachment 1 – provision 11 |
| | | Appendix C- TME Drainage |
| 6.11 Land use Buffers | С | 5.2.3 Railway |
| | | 5.2.4 Rural Landuse Buffer |
| | | Appendix A – 5.5 SPP 5.4 |
| | | Appendix D – Herring Storer Acoustic Report |
| Planning Policy Statements | | |
| PPS(1) Guide to Structure Plan and | С | Section 7.0 Implementation |
| Rezoning | | Attachment 1 – provision 1 |
| PPS(2) Subdivision and Development | С | 2.0 Planning context |
| timing | | 7.0 Implementation |
| PPS (4) Subdivision Staging` | С | 7.2 Staging |
| PPS(5) Strategy Population/Structure | С | 7.2.1 Population and Land Supply |
| Plan | | |
| PPS(6) Structure Plan- LPS and | С | 2.0 Planning Framework |
| Liveable Neighbourhoods | | 6.0 Structure Plan |
| | | Appendix A – 6.0 Liveable Neighbourhoods |
| PPS(3) (7) Concept Plan to accompany | С | 2.1 Dardanup Townsite Expansion Strategy |
| Structure Plan | | Attachment 1- DSCP and Structure Plan |
| PPS(8) POS and Implementation | С | As per 6.3 |
| PPS(9) Buffers and Rail | С | As per 6.11 |
| PPS(10) Roads | С | As per 6.7 and 8.8 |
| PPS (11) Community Needs, | С | Section |
| Fire Management | | 5.3.1 Servicing |
| Sustainability | С | 7.0 Implementation |
| LWMS | | Attachment 1 – Provision 11 |
| | | Appendix C – TME LWMS strategy |
| | | |
| PPS(12) Design Guidelines | С | 6.3 Residential |
| | | 6.5 Affordability, Built form and Detailed Plans |
| | | Attachment 1 – provision 7 |
| PPS(13) Subdivision mixed business | С | As per 5.5 |
| | <u> </u> | 7.0 poi 515 |

