# WILLAGEE STRUCTURE PLAN

PART1-IMPLEMENTATION SECTION

**NOVEMBER 2013 (UPDATED APRIL 2023)** 





# **RECORD OF ENDORSEMENT**

This structure plan is prepared under provisions of the City of Melville Local Planning Scheme 6.

IT IS CERTIFIED THAT AMENDMENT NO. 2 TO THE WILLAGEE STRUCTURE PLAN WAS APPROVED BY RESOLUTION OF THE WESTERN AUSTRALIAN PLANNING COMMISSION ON:

# 10 MAY 2023

Signed for and on behalf of the Western Australian Planning Commission:

An officer of the Commission duly authorised by the Commission pursuant to section 16 of the Planning and Development Act 2005 for that purpose.

# **TABLE OF AMENDMENTS**

| AMENDMENT NO. | COUNCIL<br>MODIFICATIONS | SUMMARY  | COUNCIL<br>ENDORSEMENT | WAPC<br>ENDORSEMENT |
|---------------|--------------------------|--|------------------------|---------------------|
| N/A           | N/A                      | Original Structure Plan  | 10 December 2013       |                     |
|               | 1                        | Addition of:  Clause 3.2 - Building Heights  Clause 6.2 - Special Residential Sites  Clause 6.1.1 - Design Requirements    | 22 September<br>2014   | 27 July 2016        |
| 1             | 2                        | Modification of:  Clause 7.2.2 - Carawatha Local Centre Sector  Clauses 7.4.3 (a-c) Leach Highway Policy Area Split Coding | 21 July 2015           |                     |
| 2             | 3                        | Updates to align with the provisions of Local Planning Scheme No. 6 Amendment No. 12                                       | 15 February 2022       | 10 May 2023         |

# **EXECUTIVE SUMMARY**

This Structure Plan shall apply to the area of land within the suburb of Willagee, bounded by North Lake Road, Stock Road, Leach Highway and Garling Street being the land contained within the inner edge of the line denoting the structure plan boundary on the structure plan map.

Currently the suburb of Willagee is fully developed to a density of R20/25 with four areas of Centre zoning. The plan is intended to rejuvenate the area.

This Structure Plan has the status of a Local Structure Plan and will supercede the Willagee Redevelopment Plan from the 1990s.

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# PART 2 – EXPLANATORY SECTION

- 1. Willagee in 2013
- 2. Willagee Structure Plan
- Willagee's Public Spaces
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   Housing in Willagee

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- 7. Water Management in Willagee
- 8. Carawatha: How it could develop
- 9. Archibald Hub: How it could develop
- 10. Archibald Hub Revitalisation
- 11. Willagee Crime Prevention Through Environmental Design Short Term Strategy
- 12. Willagee Policy Area Spatial Guidelines

# PART ONE: IMPLEMENTATION SECTION

# WILLAGEE STRUCTURE PLAN PART 1 – IMPLEMENTATION SECTION

# 1 Structure plan area

This structure plan shall apply to the area of land within the suburb of Willagee, bounded by North Lake Road, Stock Road, Leach Highway and Garling Street being the land contained within the inner edge of the line denoting the structure plan boundary on the structure plan map (Plan 2).

# 2 Structure plan content

This structure plan comprises:

- a) Part 1 Implementation section
   This section contains the structure plan map and planning provisions and requirements.
- b) Part 2 Non-statutory (explanatory) section.
   This section to be used as a reference guide to intepret and justify the implementation of Part One, which shall be read in conjunction with Part Two
- c) Appendices Technical reports and supporting plans and maps.

# 3 Interpretation and relationship with the Scheme

# 3.1 General

Unless otherwise specified in this part, the words and expressions used in this Structure Plan shall have the respective meanings given to them in the Local Planning Scheme including any amendments gazetted thereto.

Pursuant to the Scheme, Part Two of this Structure Plan and all appendices are to be used as a reference only to clarify and guide interpretation and implementation of Part One. The Scheme should not be read into the Scheme and in the event of conflict, the Scheme shall prevail over the Structure Plan

# 3.2 Building heights

Unless specified otherwise, building heights are measured in storeys in this structure plan. A storey is defined as follows:

The space between the floor and ceiling of a building which constitutes a floor or level for habitable uses, but does not include:

- a) Any floor of a building having 50% or more of its volume located below natural ground level; and
- b) Roof structures of a high quality design that reduce the visual impact of lift plant and other similar utility or services, not exceeding 3.0 metres in height; and
- Unenclosed roof structures of a high quality design that provide weather protection to areas used for private or communal open space, not exceeding 3.0 metres in height.

Note: for the purposes of this definition, a mezzanine is considered to constitute a storey

# 4 Operation

This structure plan shall come into operation when it is approved by the WAPC.

# 5 Land Use and Subdivision

# 5.1 Land Use Permissibility

Land use permissibility within the structure plan area shall be in accordance with the corresponding zone or reserve under the Scheme.

# 6 General Objectives

# 6.1 General Willagee Objectives

- (a) To provide for a mix of housing and mixed-use development options that integrate with their suburban context, with more intensive development strategically located in defined policy areas
- (b) To ensure the nature, form and scale of development outside the defined policy areas is consistent with a suburban streetscape and character
- (c) To manage building height, bulk, and setbacks to maintain private open space and landscape features as the prevailing visual element of residential lots

## 6.1.1 DesignRequirements

Development outside the defined policy areas shall be consistent with the following design requirements:

- a) Development is to be of high quality and all facades and frontages shall be designed and finished with high quality materials;
- b) Building facades shall be articulated, coloured and detailed to contribute positively to the appearance of local streetscapes and adjoining properties;
- c) Building facades and frontages should highlight a vertical emphasis wherever possible to help break up the appearance of buildings. This can be achieved through the shape and placement of windows and openings and the innovative use of building materials, colours and textures;
- d) Feature elements are strongly encouraged on building facades, including (but not limited to) variations to colours and building materials, coloured or textured banding, recesses, ornamental details, gables, verandas, balconies, pillars, awnings, canopies and bay windows;
- e) Extensive blank walls, facades and featureless glazing facing streets or public spaces are not permitted; and
- f) Service areas and car parking (except on-street) are to be predominantly screened from public view.

# 6.2 Special Residential Sites

The following sites may be developed to a maximum height of three storeys:

| Special<br>Residential<br>Site No. | Description  | Date of Council<br>Endorsement |
|------------------------------------|--|--------------------------------|
| 1                                  | Lots 1531 and 1532 (Nos 77-79) Archibald Street,<br>Willagee | 22 September 2014              |
|                                    |  |                                |
|                                    |  |                                |
|                                    |  |                                |

# 7 Policy Area Design Principles

# 7.1 Archibald Hub Policy Area

## 7.1.1 Objectives

- To provide for a compatible mix of commercial and residential uses which service the local community
- ii. To ensure the nature, form and scale of development is appropriate for the suburb's primary activity centre
- iii. To encourage development in accordance with Crime Prevention through Environmental Design principles, the intentions of the Archibald Hub concept plan and principles of the Archibald Hub Policy Area Spatial Guidelines

## 7.1.2 Archibald Hub Commercial Sector

- Achieve a mix of land uses within the hub, with active uses located on ground floors
- Present activated frontages to public streets, public spaces and visual/access links
- Buildings of a scale and design appropriate for a Neighbourhood Centre, with awnings along frontages and, where possible, servicing areas screened from the street.
- Buildings of up to four storeys (16m) in height, plot ratio of 2
- Locate commercial buildings appropriately, with nil setbacks to frontages except in cases of entrances and alfresco service areas
- Provide landscaping to enhance streetscapes, pedestrian environment and generally improve the visual amenities of the area
- Provide vehicle parking bays in accordance with Council policy
- Provide opportunity and safe environments for pedestrian and cycle access

## 7.1.3 Archibald Hub Residential Sector

- Provide residential development that integrates with the adjacent centre in accordance with the Archibald Hub Policy Area Spatial Guidelines
- Provide residential development that interfaces appropriately with Winnacott Reserve
- Develop residential housing of scale and design that compliments the adjacent Neighbourhood Centre, in accordance with a masterplan if appropriate
- Protect mature vegetation where possible
- Buildings of up to four storeys (16m) in height, plot ratio of 2

# 7.2 Carawatha Policy Area

# 7.2.1 Objectives

- To provide for a mix of uses which primarily deliver diverse and affordable housing options
- ii. To ensure the nature, form and scale of development is appropriate for each of the policy area sectors
- iii. To ensure development is consistent with the intentions of the Carawatha concept plan
- iv. To develop in accordance with Crime Prevention through Environmental Design principles and the principles of the Carawatha Policy Area Spatial Guidelines

### 7.2.2 Carawatha Local Centre Sector

- Achieve a mix of land uses within the hub, with active uses located on ground floors
- Present activated frontages to public streets, public spaces and visual/access links
- Buildings of a scale and design appropriate for a Local Centre, with awnings along frontages and, where possible, servicing areas screened from the street
- Locate buildings appropriately, with nil setbacks to frontages except in cases of entrances and alfresco service areas
- Provide landscaping to enhance streetscapes, pedestrian environment and generally improve the visual amenities of the area
- Provide sufficient vehicle parking bays in accordance with Council policy
- Provide opportunity and safe environments for pedestrian and cycle access
- Buildings of up to three storeys (12m) in height, plot ratio of 1.5

# 7.2.3 Carawatha Residential Sector

- Achieve visual surveillance and access through the development area
- Present activated frontages to public spaces and visual/access links
- Preserve the residential character of the sector by limiting commercial activity to small scale uses such as home businesses, home offices and home occupations only
- Develop residential housing of scale and design that integrates with surrounding public open space and residential areas as per the intentions of the Carawatha concept plan and Carawatha Policy Area Spatial Guidelines
- Provide landmark residential buildings to define the entrance to Willagee
- Protection of mature vegetation highly desirable

 Buildings of up to four storeys (16m) in height in accordance with the Carawatha Policy Area Spatial Guidelines, plot ratio of 2

# 7.3 Webber Policy Area

# 7.3.1 Objectives

- i. To provide for a compatible mix of commercial and residential uses which service the local community
- ii. To ensure the nature, form and scale of development is appropriate for its location adjacent to public open space
- iii. To ensure the design and landscaping of development is conducive to safe and efficient vehicular access, safe and convenient pedestrian movement and a high standard of visual amenity, as per the principles of the Webber Policy Area Spatial Guidelines Part A and Part B

## 7.3.2 Webber Local Centre Sector

- Achieve a mix of land uses within the hub, with active uses located on ground floors
- Present activated frontages to public streets, public spaces and visual/access links
- Buildings of up to four storeys (16m) in height, plot ratio of 2
- Buildings of a design appropriate for the policy area, with awnings along frontages and, where possible, servicing areas screened from the street
- Locate commercial buildings appropriately, with nil setbacks to frontages except in cases of entrances and alfresco service areas
- Provide landscaping to enhance streetscapes, pedestrian environment and generally improve the visual amenities of the area
- Provide sufficient vehicle parking bays in general accordance with Webber Policy Area Spatial Guidelines Parts A and B
- Provide opportunity and safe environments for pedestrian and cycle access

# 7.3.3 Webber Residential Sector

- Present activated frontages to public spaces and visual/access links
- Buildings of up to four storeys (16m) in height, plot ratio of 2
- Develop residential housing of scale and design that integrates with surrounding public open space and residential areas
- Protection of mature vegetation highly desirable

# 7.4 Leach Highway Policy Area

# 7.4.1 Objectives

- i. To provide for residential uses which deliver diverse and affordable housing options
- ii. To manage noise and access impacts from Leach Highway through innovative design responses
- iii. To ensure the nature, form and scale of development respects and integrates with the surrounding suburban streetscape
- iv. To reduce direct vehicular access from private property onto Leach Highway and encourage direct vehicular access onto alternative streets in recognition of increasing freight traffic use of Leach Highway

# 7.4.2 Leach Highway Restricted Local Centre Sector

- Encourage offices on ground floors
- Present an activated frontage to public streets and visual/access links
- Develop buildings of an appropriate scale (up to four storeys and 16m in height, plot ratio of 2) and design to contribute to the built form of the Local Centre
- Locate buildings appropriately, with nil setbacks to frontages
- Provide landscaping to improve the visual amenities of the area
- Provide sufficient vehicle parking bays in accordance with Council policy
- Provide opportunity and safe environments for pedestrian and cycle access
- Ensure retail development is of a scale and character that does not detrimentally impact nearby centres

# 7.4.3 Leach Highway Residential Sector

# 7.4.3 (a) Split Coding

When considering an application for approval of development or when making a recommendation to the Commission in respect of a subdivision within the Leach Highway Policy Area, which is identified as having two density codes in the form of a split or multiple R-Code, Council is to a p p l y the lower of the two Codes unless —

- i. In the case of sites with frontage to Leach Highway, all vehicular access (including vehicular access in respect of existing development) is provided to a road or carriageway other than Leach Highway; and
- ii. In the case of sites which adjoin a site with frontage to Leach Highway, but which itself does not have such frontage, provision is made to the satisfaction of the Council for vehicular access to the adjoining site so as to obviate the need for direct access to Leach Highway from that adjoining site

# 7.4.3 (b) Development at R20 density

 Develop residential housing of scale and design that integrates with surrounding residential areas

- Development manages noise impacts associated with Leach Highway utilising quiet design, including but not limited to double glazing of windows and location of bedrooms away from Leach Highway in accordance with Main Roads policy
- Buildings of up to three storeys (12m) in height

# 7.4.3 (c) Development at R60 density

- Development removes the need for private access to Leach Highway in accordance with the principles of Leach Highway Policy Area Spatial Guidelines
- · Protection of mature vegetation highly desirable
- Development activates non-Leach Highway street edges
- Development presents visual surveillance and activated frontages to secondary streets, public spaces and visual/access links
- Provide parking whilst maintaining the suburban and landscaped character of suburban Willagee
- Develop residential housing scale and design that integrates with surrounding residential areas
- Development manages noise impacts associated with Leach Highway utilising quiet design, including but not limited to double glazing of windows and location of bedrooms away from Leach Highway in accordance with Main Roads policy
- Buildings of up to three storeys (12m) in height

# 8 Structure Plan Map





# WILLAGEE STRUCTURE PLAN

**PART 2 - EXPLANATORY SECTION** 

**NOVEMBER 2013 (UPDATED APRIL 2023)** 





# **WILLAGEE STRUCTURE PLAN...**

# A different layout for a very good reason

On the 10th February, over 100 Willagee residents came together for a workshop, commencing the development of the Willagee Structure Plan.

The level of attendance and participation significantly exceeded that usually seen for planning projects.

Stakeholder engagement continued with an indigenous workshop, meetings with business owners and other community members, whilst residents informally shared their thoughts, ideas, and concerns through letters and emails.

To respond to such an engaged community, the Willagee Structure Plan has been specially prepared and laid out to reflect and be understood by everyone in the community. Instead of being developed as a technical planning report, the structure plan is presented as a series of posters, that visually and easily explains all the planning and technical ideas, and the activities required for implementation.

Everything in the Willagee Structure Plan responds to the community, and what they've shared about the place they love, and live in.

# ...PLANNING FOR PEOPLE

## **Contents**

The following describes where to find the information requirements set out in the Western Australian Planning Commission Structure Plan Preparation Guidelines.

Part 1: Willagee in 2013

Includes relevant parts of Section 1 Planning Background and Section 2 Site Conditions and Constraints of the Structure Plan Preparation Guidelines

Part 2: Willagee Structure Plan

Includes relevant parts of Section 3.1 Land use, Section 3.6 Education facilities, Section 3.8 Infrastructure coordination, servicing and stage, and Sectuib 3.10 Other requirements of the Structure Plan Preparation Guidelines

Part 3: Willagee's Public Spaces

Includes relevant parts of Section 3.2 Open space of the Structure Plan Preparation Guidelines

Part 4: Willagee's Centres

Includes relevant parts of Section 3.7 Activity centres and employment of the Structure Plan Preparation Guidelines

Part 5: Housing in Willagee

Includes relevant parts of Section 3.3 Residential of the Structure Plan Preparation Guidelines

Part 6: Moving Around in Willagee

Includes relevant parts of Section 3.4 Movement networks of the Structure Plan Preparation Guidelines

Part 7: Water Management in Willagee

Includes relevant parts of Section 3.5 Water management of the Structure Plan Preparation Guidelines

Part 8: Carawatha Masterplan

Provides a development concept for the Carawatha site.

Part 9: Archibald Hub Masterplan

Provides a development concept for the Archibald Hub.

Part 10: Archibald Hub Masterplan Delivery

Describes staged redevelopment of the Archibald Hub, along with short term recommendations for Crime Prevention through Environmental Design and Placemaking.

Willagee: Crime Prevention Through Environmental Design

Preliminary short term strategy to deliver crime prevention through environmental design within the Archibald Hub areas, with objectives to be considered across the Willagee Structure Plan area

Willagee: Spatial Guidelines

Provides spatial design guidelines to assist interpret and deliver on the objectives and design guidelines within Part 1 for key policy areas.

# **WILLAGEE STRUCTURE PLAN PART 1: WILLAGEE IN 2013**

# Expectations for the Willagee Structure Plan



Commercial Vitality
The Willagee Structure Plan provides a rationale for the evolution, location and
revaltatisation of centres within the study area; and recognises and enables the
connections to external opportunities and functions

Place Activation
The Williagee Structure Plan builds on placemaking principles and enables a range of development opportunities encouraging growth, diversity and affordability of housing

The project delivers a strategic masterplan for the Carawatha site

Collaborative Partnerships
The Willigee Structure Plen is delivered in partnership between key stakeholders
to enable the regeneration of Williagee, and will provide disection for shared delivery
of the Structure Plan recommendations which includes the identification of areas
for future planning

Outcomes
The reports and plans will communicate the vision for Willagee and will be accessible\* and inclusive and be easy to interpret by all audiences

 $\mbox{^{\prime}}$  where all members of the community can access the document, by reading, through translation etc

# Willagee's Community

The Willage community is passionate about the place they live in, and engaged in their future. As part of the development of the Willages Structure Plan, over 100 residents came together for a workerhop, contributing their throughts and aspirations for the future. The Willages Structure Plan has been prepared in response to the community's throughts and ideas. Some of the key themes are summarised in the Willages Issues, Opportunities and Community Comments! Image.

The Willagee population of 4,768 people (as counted in the 2011 census) is made of of 47 percent males, and 53 percent females. The median age in Willagee is 36 years. Children (0 - 14 years) make up 22 percent of the population, and people aged 65 years and over make up 15% of the population.

The Willagee community is diverse, with 31 percent of the community from places outside of Australia, and the Indigenous community making up just under 5 percent of the population. Outside of Australia, the most common countries of birth were England (6 percent), New Zealand (3 percent), Philippines (1 percent), Scotland and South Africa (bort) 1 percent).

In Willagee 30 percent of people attend an educational institution. Of these, 27 percent are in primary school, 17 percent in high school and 22 percent at university, TAFE, or other tertiary institution. Of those working in Willagee, 58 percent are employed full time, 30 percent are employed and time. The unemployment rate in Willagee is 5.4 percent, which is higher than the state average of 4.7 percent. The median weekly personal income in Willagee is \$556; the average household income is \$1,019.

Most people in Willagee drive to work (63 percent), with 3 percent of workers in Willagee taking the bus. 38 percent of households have one registered vehicle, 55 percent have two vehicles and 12 percent have three or more 12 percent for Willagee households have no private vehicles, which is twice the state average.

62 percent of households in Willagee are family homes. Of the families in Willagee, 39 percent are couple families with children, 33 percent are couples without children and 27 percent were single perent families. In Willagee 17 percent of single parents were male and 33 percent female.











Melville



ABCHIBALD HUB - TOWN CENTRE COMMUNITY BUILDINGSFACILITY
NEIGHBOURHOOD LEVEL SHOP

AGED PERSONS VILLAGES KEY ENTRY POINTS REGIONAL ROADS (SEEN AS BARRIER TO CONNECTIVITY)

KEY INTERNAL MOVEMENT ROUTES

NOISE IMPACTS FROM MAJOR ROADS

AREA WITH DEPARTMENT OF HOUSING LANDHOLDINGS OONCERNS OF ANTI-SOCIAL ACTIVITY AREA WITH SOME
REDEVELOPMENT AND HIGHER
QUALITY STREETSCAPES

1 PARKING IMPACTS ARISING FROM PRIMARY AND HIGH SCHOOLS

2 AREA USED BY LEARNER DRIVERS 3 BEAR OF SHOPS,
CONCERNS OF SECURITY &
DATO USE AT NIGHT

LOCAL SHOPS HAVE POOR
VISUAL PRESENTATION

5 KBY INTERSECTION IDEN AS BEING DANGEROUS

7 LOCAL SHOPS NOT CUR WELL USED

LOCAL SHOPS NOT CONSIDERED

8 ACCESSIBLE FROM WITHIN
PRECINCT





# WILLAGEE STRUCTURE PLAN PART 2: WILLAGEE STRUCTURE PLAN





## Implementation Pathway

WPA | MESSER POLICYAREA

The Structure Plan sets out Council's vision and land use expectation for Willagee into the future. Implementation of the plan vill progressively occur based on various factors including associated demands, financial feasibility and securing funding.

The Willagee Structure Plan has the opportunity to generate up to 1,000 to 1,600 additional dwellings. This would support a future population of 7,200 to 8,700, an increase of 2,500 to 4,000 people. In terms of local plats, the Structure Plan provides for 6,500 to 7,000m2 of commercial floor space (including office, retail, and medical). This will support approximately 180 to 200 local plats.

A key aspect of implementing the plan is through effective partnerships with the community, landowners, state government, and local businesses. Much development will be driven by landowners, with community infrastructure supported by local and State government.

businesses. Much development will be driven by landowners, with community infrastructure supported by local and State government.

The implementation blusprint includes a range of activities, by a range of people and organisations, recommended to facilitate the implementation of the Willagoe Structure Plan over time.



The Carawatha Policy Area provides for the development of a diverse, high quality, and higher density residential area that integrates with a new public park to serve the local community.

The R60 density code provides for a range of higher density homes, including town housing and low rise apartment buildings. These will provide smaller housing types in a suburban setting for people wanting smaller homes, or people looking to downsize, but wanting to remain in Willagee.

existing shops and the Arthur Kay Reserve will redevelop over time to provide more housing options in a mixed use setting, with high density in these locations providing an incentive for redevelopment.

A development concept for the Carawatha site provides greater detail on the opportunities for future built form and access arrangements for this location, and will be implemented through a design guidelines set out in the Willagee Structure Plan Part 1 - Statutory Provisions.

## Archibald Hub Policy Area

The Archibald Hub Policy Area provides for the existing hub to develop as the primary community and commercial area for Willagee, including mixed used evelopment. This includes taking not functions of other community and retail areas around the suburb, including the Sarior Clazars Carte, and other smaller shops. Over time, redevelopment of the hub will enable businesses in the other smaller certires for reduces from the condicated hub.

The Neighbourhood Centre zoning, with R80 density code, will enable consolidation of community liabilities and retail, with potential for upper floor apartments to incorporate greater moded use. Increased density of elabority predefertal development in the policy rear, including existing illestyle villages to the north, will enable the redevelopment of these facilities over time, to meet rising demand for again persons and ortherment housing in Milagea.

# Webber Policy Area

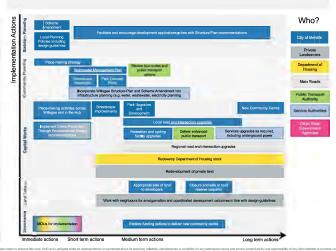
The Webber Policy Area provides for redevelopment of a niche, mixed use local centre, integering with the adjacent Webber Reserva. Uses would include arts and cultural spaces, with supporting retail and business. The area would be further activated by integrated residential development at higher densities.

Private development of cultural spaces within the Webber Policy Area can be further supported by enhanced community facilities on Webber Reserve, such as community gardens and play/performance spaces.

## Leach Highway Policy Area

The Leach Highway Policy Area aims to facilitate higher density town house development as an incentive to move residential access away from Leach Highway. A split density code encourages amalgamation of private lots to achieve higher density development that does not require access from Leach Highway. New housing provides opportunity to incorporate quiet building design (for noise amelioration), to improve the amenity of housing in this location.

The Policy area also seeks to ensure that retail development within the local centre, located at the corner of Leach Highway and Stock Road, is of a scale and character that does not detrimentally impact nearby centres.



obtivales) for any expenses, losses, damages and/or costs (including indirect or consequential demage) which are or may be incured by any party as a result of the map being inaccurate, incompile or consisted in any way and for an Data courter. Landgate - Netro Costsol Feb 201





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# **WILLAGEE STRUCTURE PLAN PART 4: WILLAGEE'S CENTRES**





The way we shop, and the types of centres we need are changing. The Willagee Structure Plan recognises that the current distribution of smaller centres around the suburb is not viable in the longer term, therefore looks to consolidate community and local retail services into a redeveloped hub in the centre of the suburb. By keeping the heart central, everyone in Willagee has access.

The placement and retention of Willagee's centres is based on ensuring that important services and retail are not displaced from the central hub, and that any smaller centres complement, rather than compete with, the heart.







## Archibald Hub - Willagee's Heart



## Bawdan Street Shops - Arts Precinct



# WILLAGEE STRUCTURE PLAN PART 5: HOUSING IN WILLAGEE

## Achieving quality housing outcomes

Design guidelines will be prepared and implemented through design guidelines and objectives provided within Willages Structure Plan Part 1; Statutory Provisions. This will incorporate the density and height requirements shown on the built form plan, along with other requirements such as set backs, access arrangements, and state development to ensure future residential development meets the objectives of the policy areas, and maintains the character of Willagee.

Development applications for major developments in key policy areas will be advertised to ensure the community has further opportunity to comment on the built form of Willagee into the future.

# Achieving diverse housing options for suburban living

The structure plan recommends the introduction of an additional density concession within R40 areas, to add greater diversity of built form into Willagee's streets. The outcome will be scattered examples of small housing options, that will enable people to live in a smaller house, or a smaller fot, yet still on a suburban street, it provides an atternative, smaller housing product for people who still want to live on quiet streets, rather than in more without hubbs or cities, but do not went a large house or garden.

This outcome will be achieved by a density concession in the scheme which will enable development of town houses at a density of R60. This will only be allowed where a minimum of 4 or 50 is are analgameted along a singe steef foreign. Design guidelines will ensure only single houses are developed, in a way that contributes to the character of Wildigee's street.



# Split coding for access management

he Leach Highway Policy Area aims to facilitate higher density town house development is an incentive to move residential access away from Leach Highway. This is done brough a split density code, which effectively provides several density codes to an rea – a lower 'as of right' code, and a higher code if certain requirements can be met.

A split density code of R20/60 will enable development at the higher density only where development provides for lots accessing Leach Highway to gain access from an alternative read. This may include amalgamation to achieve an alternative street fortage, or individual developing properties providing extended driveways with access easurements to lots fronting Leach Highway. This would remove the need for access directly from Leach Highway. Where the required access arrangements are not achieved, the R20 density applies, which does not facilitate subdivision of these lots.

Examples of how alternative access and townhouse development can occur in this area are shown opposite. Design guidelines to manage access and built form will be prepared, advertised to the community, and implemented through statutory provisions.



# What do density codes mean?

| R25 | Generally low density, single housing with lot sizes, on average, of 350 square metres. Only half of the lot can generally be built on, leaving half for gardens and setbacks.   |
|-----|--|
| R40 | Medium density housing, usually built as smaller single houses or grouped houses, although<br>there can be small apartment buildings built at this density in some areas.  |
| R60 | Medium to high density housing, which can be built as town housing, or as spartments. At this density, design guidelines are prepared to tallor built form outcomes specific to a location – this will be the same for Willagee. |



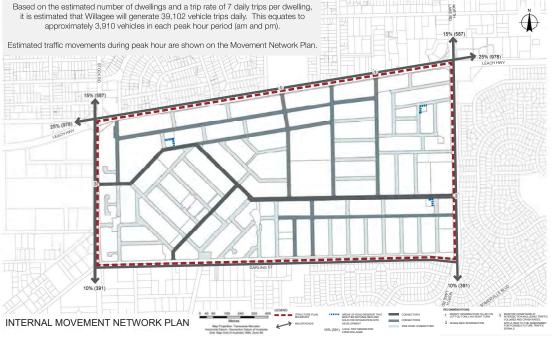
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# **WILLAGEE STRUCTURE PLAN PART 6:**

# **MOVING AROUND IN WILLAGEE**





## Archibald Street/ North Lake Road priority intersection

From the start of 2007 to the end of 2011 there were 17 recorded collisions. Eleven collisions are likely to have occurred during peak hour. When the area is congested, right turn movements into and out of the intersection seem to be a main issue with collision rates.



Leach Highway is managed by Main Roads.

From the start of 2007 to the end of 2011 there were 12 recorded collisions. Seven collisions are likely to have coursed during peak hore. During peak hore, print peak hore and the collisions occurred during Minter and the seven as level issue 68 accidents involved right turn turns). Nine collisions occurred during Minter, suggesting there was also be a visibility issue due to surset/ sur nies for drivers (Leach Highway rune seat to weet at the intersection).



From the start of 2008 to the end of 2012 there were 10 reported collisions. Main Roads does not have any current plans for the upgrade of this intersection and do not consider it a high priority.



There are some measures that could provide information that Garling Street is predominantly residential to manage the way vehicles use the road. Upgrades such as kerb entry treatments, continuous speed reduction signage and variable speed message signage to show speeds of moving traffic should be considered in future roadvorks.





Connector A (up to 7,000 car movements per day).
Future road and streetscape upgrades in line with this section will provide greater access for non-car movements. Cycling and valking shared path facilities (as dual use paths on the verigit will ensure greater access through Willages. It is important that, to ensure safety and encourage more cycling, that cycling facilities are separal from other road traffic.







# **WILLAGEE STRUCTURE PLAN PART 7:** WATER MANAGEMENT IN WILLAGEE

PASSIVE PARKS
INFORMAL
STREET PARKS



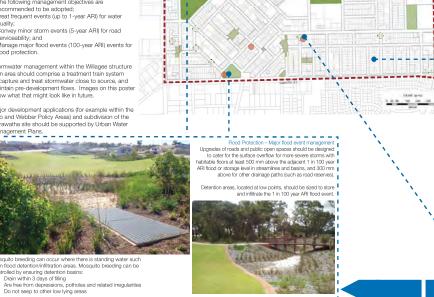
Confenity, Schrimder in Whilagee is interaged with traditional piped network. There is opportunity to prepare a stormwater management strategy for Willagee to facilitate the upgrade of existing infrastructure to incorporate best practice management, for greater environmental benefit.

Upgrades to the stormwater management system for the Willagee Structure Plan area should be designed in accordance with Department of Water's Stormwater Management Manual for best practice drainage design. This can be achieved over time through capital works investment as part of other road and park upgrade

- The following management objectives are recommended to be adopted;
  Treat frequent events (up to 1-year ARI) for water
- quality;
   Convey minor storm events (5-year ARI) for road serviceability; and
   Manage major flood events (100-year ARI) events for flood protection.

Stormwater management within the Willagee structure plan area should comprise a treatment train system to capture and treat stormwater close to source, and maintain pra-development flows. Images on this poster show what that might look like in future.

Major development applications (for example within the Hub and Webber Policy Areas) and subdivision of the Carawatha sits should be supported by Urban Water Management Plans.

























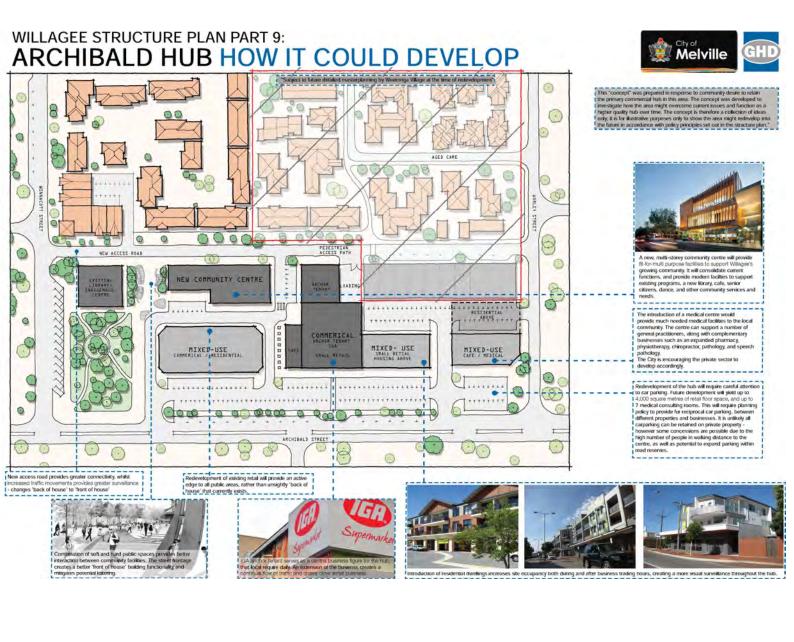


# **WILLAGEE STRUCTURE PLAN PART 8:**

# CARAWATHA HOW IT COULD DEVELOP







# **WILLAGEE STRUCTURE PLAN PART 10:**

# ARCHIBALD HUB REVITALISATION



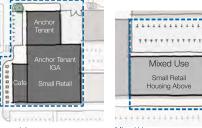
## 'Staging' of Redevelopment

Over time, the Archibald Hab will redevelop in stages—with each stage or 'coll' relating to a engle large lancholding, strata lancholding, or properties of similar beture. This recognizes the current function and fingerpreted ownership of the hab. The concept shows how groups of landowners will independently develop, subject to their own detailed design and planning in accordance with oxide protections. The provides a programatic approach to implementation, which will entail the redevelopment of the hull over time, as private investment in accordance with oxide. The stages shown here identify the likely colls which relate to fain holding send terrue, however the timing for development is studied to investment decays, as well as funding of community infrastructure. The form of the development will be determined by owners, and development applications will be advertised for community comment.

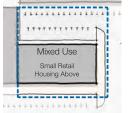
Because development will be subject to private investment decisions, specific liming cannot yet be confirmed. It is important for the City of Melville to work with handbowners and businesses for assist them understand the implications of the Willages Structure Plan and Archibald Hub masterplan for their property, and how to facilitate redevelopment of their property.



Mixed Use/Medical/Cafe Lot 17 Pl 6848 (Private Owner)



Commercial Strata 39995 51/1 (Private Owners)



Mixed Use Strata Lot 1 (Private Owners)



Lot 311 Dia 100070 (Private Owner)



### Crime Prevention Through Environmental Design

In the short term, a range of options are available to assist with the management of actual and perceived issues of security and anti-social behaviour. A preliminary of time Prevention Through Environmental Design strategy for the hub has been prepared that recommends a range of activities in the short term to address issues and concerns.



# Short Term Placemaking

(Private Owners)

(City of Melville)

Structure plans and master plans can take a considerable number of years to come to fruition. This may be due to planning issues, design program, land assembly of rudning. The Willeges Structure Plan recognises that people will live and work in the area during the interior years before the final state of development is reached.

Lots 24-30 Pl 6848 & Lot 400 Pl 38504











# WILLAGEE: CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN **PRELIMINARY SHORT TERM STRATEGY**

### CPTED IN URBAN DESIGN: OBJECTIVES

The following areas identify the core areas of Crime Prevention Through Environmental Design in relation to urban redevelopment and community planning.

CONNECTION

To ensure a well-integrated urban structure that increases activity by maximising connections between neighbourhoods.

SURVEILLANCE
To design neighbourhoods that maximise visibility and surveillance of public space to enhance real and perceived safety.

CONNECTIVITY
To connect new residential subdivisions to adjacent subdivisions through a physically integrated and direct movement/street network.









Library carpark looking into park. Poor lighting provides opportunities for undetected behaviour. Increased perception of crime/safety when legitimate Library users enter/exit.





Building signage shows sign of wear and not maintained. Not clearly visible from public areas, especially at night.

# Willagee Library

Expand parking on West side of Library to the full possible extent northwards.

Remove low laying flora and replace with matching library paving

Open West-facing wall and install open window façade to increase visibility from inside-outwards and visa versa. This will enhance surveillance and perception of use.

Refurbish and expand main library sign. Add additional sign to increase visibility of ownership.

Provide seating and tables outside for Library patrons in full line-of-sight of Library supervisors/staff.

## George Humes Park

Keep old and large trees well pruned to maintain high level of natural sunlight entering communal area. Install lighting around park perimeter, access walkways and central gathering area.

Redevelop a small area to accommodate a small playground for children and seating for parents. Must be well lit, in accordance with council guidelines and regulations, and not obstruct the line-of-sight from public reads to community centres and local businesses. Increase community art around park and along Library's main entrance walkway. Pefurbish current artwork and soulptures. Involve local schools, business and community groups to produce artwork and show ownership and pride. Include sprage indicating any historical or community significance. Improve general landscaping. Grow seasonal plants with a set theme.

## Willagee Community Centre

Refurbish, widen and furnish main entrance of Community Centre. Include benches and seating to reduce perception of loitering by legitimate users.

Decrease the height of all hedges to increase visibility of people sitting on ledges or on the ground.

Maintain fence integrity and construction. Eliminate any signs of climbing with maintenance schedule.

Option to replace chain-link fence with palisade fencing. Reduces ability to scale fence line and incre aesthetics.









# WILLAGEE: CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN PRELIMINARY SHORT TERM STRATEGY

## Rear of Shopping Area

Hear or Snopping Area install lighting to promote adequate visibility and safety to legitimate users. Refer to 'Lighting' Section. Resurface bitumen to match road-facing parking area. Pot holes to be filled and covered. Provide more parking areas by delineating allocate areas, areas of business service, and any private parking lots. Provide relevant signage to show ownership of parking areas. Also see 'Signage' Section.

Repair or replace all fencing to match existing brick walls. This creates perception of uniform and consistent ownership. Option to be consistent with buildings of business and or community centre.

community centre.

All treas adjacent to the fence line which can be used as climbing aids to private residence should be removed or redocated. Free solution for block any notural or man deligibing which can lead to sheadowing and dark areas.

Pencos all rubble from unsecured storage areas including craites, boxes, excessive not believe to the properties of the properti

Install consistent lighting amongst back areas of business stores. Replace all fencing with aesthetically pleasing palisade fencing to match surrounding area.















### Store fronts and Building Façades

Maintain cleanliness of all doors, windows, shutters and wall faces including the removal of graffiti and damaged areas. Reposition the ATM to its own independent area (not part of another business shop).

Option to continue artwork on West facing wall around to all areas, including shutters.

Allow businesses to operate and close at similar times.

Maintain bollards to a consistent cleanliness and colour scheme. Potential to transform or install bollards with artwork from local community. Helps promote pride and ownership of legitimate users.

Roof tops visible from the main public through-way should be kept well maintained, clean and well lit to illuminate signs.







# Vacant Lot

To be cleared and uniform in appearance.

Signage to indicate ownership.

Provide a clear and concise perimeter. Install natural bollards to stop vehicles and deter pedestrian access.





Signs of new graffiti and storage of used drug implements. Power meters unlocked and easily

# Undercover Allevway

Maintain cleanliness including the regular removal of graffiti and repair of damage to meter boxes (remain locked to deter-use as drug storage/disposal).

Install convex mirrors in the corners of each entrance to increase safety and visibility by legitimate users along the main store front.

### GENERAL RECOMMENDATIONS

LIGHTING
Use uniform type of lighting for driveways, parking, building faces, walk ways and building signage.

Preferred cool-white lighting or light-blue for good colour rendition when identifying pedestrians.

Lighting to be evenly distributed around all areas to reduce black spots and reduce the contrast between shadows and illuminated areas. All wall sides and corners shall be well lift.

Heavily used spaces such as car parks, entries to buildings and pedestrian routes should be lit with power of 50-100lux.

Wall lighting to be mounted high and out-of-reach to avoid becoming a climbing

Outward-facing lighting helps increase visibility from inside buildings to the outside.

Upward-facing lighting helps illuminate main signs, public art, focal points, and store front features.

Avoid unshielded lighting at eye level.

AS 1158.1.3 Pedestrian lighting AS 4282 (1997) The Control of the Obtrusive Effects of Outdoor Lighting

PARKING
Prepare a signage plan focussing on the 'safe routes' and indicating destinations, facilities and amenities en route.

For car parks with low night time activity, provide an average luminance of 15lux and minimum 5lux.

For car parks with high night time activity, provide an average luminance of 20lux and minimum 10lux.

AS2890.1 (1993) Parking Facilities - off-street car parking

Provide minimum average luminance of 50lux for parking spaces in outdoor car parks for people with disabilities or the elderly.

SIGNAGE
Prepare a signs system to identify a place and indicate whether or not it is accessible to everyone; indicate warnings where necessary; and give reating information.

Forsize that signage is easily legible and viewable from public space.

Locate signs strategically at entrances, pedestrian traffic routes, and near activity nodes, including;

Main entrances to parking areas,
 Entrance to park, library, community centre and local shops,
 Access walkways and entrance to neighbouring residential complex.

All active shops should have well maintained, well lit at night and easy to read signs located at the store front viewable from both pedestrians and vehicle traffic along main roads.

Provide signage which indicates where to go for assistance, including;

- Telephones, - Taxis, - Bus stops, and - The nearest 'safe place'.

on withes.

Trespassing signage should be used to further enhance the effect of business and property ownership. Highlight consequences of trespassing and contact details for witnesses.

Third-party sureflances signage, including any electronic security measures, should be used with clear indication of providers contact details. Must be clearly visible to the public and located at vulnerable points of entry to buildings and hot-spots.

All signage used for deterrence purposes shall be consistent in and around all areas of the precinct and in compliance with all relevant standards, including:

AS1742.10 (1991) Manual of Uniform Traffic Control Devices – Pedestrian Control and Protection
 AS1428.1 (1998) Design and Access and Mobility – General Requirements for

Install signage away from vegetation to avoid being obscured from sight.

# WILLAGEE SPATIAL GUIDELINES ARCHIBALD HUB POLICY AREA



## Archibald Hub Policy Area

The Archibald Hub Policy Area provides for the existing hub to develop as the primary community and commercial area for Willagee, including mixed use development. This includes taking on functions of other community and retail areas around the suburb, including the Senior Citizens Centre, and other smaller shops. Over time, redevelopment of the hub will enable businesses in the other smaller centres to relocate into the consolidated hub.

The Neighbourhood Centre zoning, with R60 density code, will enable consolidation of community facilities and retail, with potential for upper floor apartments to incorporate greater mixed use. Increased density of existing residential development in the policy area, including existing lifestyle villages to the north, will enable the redevelopment of these facilities over time, to meet rising demand for aged persons and retirement housing in Willagee.

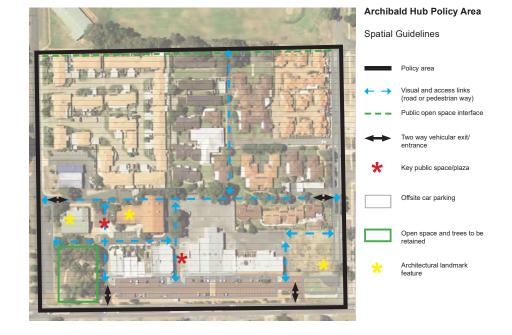
## Objectives:

- To provide for a compatible mix of commercial and residential uses which service the local community.
- ii. To ensure the nature, form and scale of development
- is appropriate for the suburb's primary activity centre.

  iii. To develop in accordance with Crime Prevention through Environmental Design principles

# Spatial Guidelines

These spatial guidelines provide additional guidance and interpretation for future detailed planning to meet the objectives and design requirements for the Archibald Hub Policy area, as set out in Part 1 of the Willagee Structure Plan.



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Data source: Landgate - Metro Central Feb 2012 Mosalid

# WILLAGEE SPATIAL GUIDELINES **CARAWATHA POLICY AREA**



### Carawatha Policy Area

The Carawatha Policy Area provides for the development of a diverse, high quality, and higher density residential area that integrates with a new public park to serve the local community.

The R60 density code provides for a range of higher density homes, including town housing and low rise apartment buildings. These will provide smaller housing types in a suburban setting for people wanting smaller homes, or people looking to downsize, but wanting to remain in Willagee.

Existing shops and the Arthur Kay Reserve will redevelop over time to provide more housing options in a mixed use setting, with high density in these locations providing an incentive for redevelopment.

A development concept for the Carawatha site provides greater detail on the opportunities for future built form and access arrangements for this location, and will be implemented through a design guidelines set out in the Willagee Structure Plan Part 1 - Statutory Provisions.

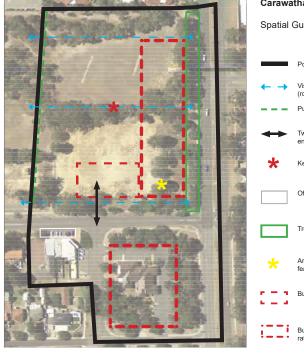
# Objectives:

- To provide for residential uses which deliver diverse and affordable housing options for the community.
- To ensure the nature, form and scale of development respects and integrates with the surrounding streetscape.

  To ensure development is consistent with the Carawatha Masterplan.
- To develop in accordance with Crime Prevention through Environmental Design principles

# Spatial Guidelines

These spatial guidelines provide additional guidance and interpretation for future detailed planning to meet the objectives and design requirements for the Carawatha Policy area, as set out in Part 1 of the Willagee Structure Plan.



# Carawatha Policy Area

Spatial Guidelines

Policy area

Visual and access links (road or pedestrian way)

Public open space interface

Two way vehicular exit/ entrance

Key public space/plaza

Offsite car parking

Trees to be retained

Architectural landmark feature

Building height 12m

Building height 16m; plot

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# WILLAGEE SPATIAL GUIDELINES WEBBER POLICY AREA



## Webber Policy Area

The Webber Policy Area provides for redevelopment of a niche, mixed use local centre, integrating with the adjacent Webber Reserve. Uses would include arts and cultural spaces, with supporting retail and business. The area would be further activated by integrated residential development at higher densities.

Private development of cultural spaces within the Webber Policy Area can be further supported by enhanced community facilities on Webber Reserve, such as community gardens and play/performance spaces.

## Objectives:

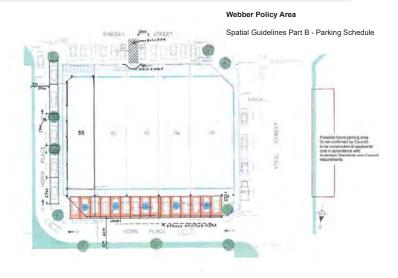
- i. To provide for a compatible mix of commercial and
- residential uses which service the local community.

  ii. To ensure the nature, form and scale of development is appropriate for its location adjacent to public open space.
- iii. To ensure the design and landscaping of development is conducive to safe and efficient vehicular access, safe and convenient pedestrian movement and a high standard of visual amenity.

## Spatial Guidelines

These spatial guidelines provide additional guidance and interpretation for future detailed planning to meet the objectives and design requirements for the Webber Policy area, as set out in Part 1 of the Willagee Structure





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Data source: Landgate - Metro Central Feb 2012 Mosaic

# WILLAGEE SPATIAL GUIDELINES LEACH HIGHWAY POLICY AREA



## Leach Highway Policy Area

The Leach Highway Policy Area aims to facilitate higher density town house development as an incentive to move residential access away from Leach Highway. A split density code encourages amalgamation of private lots to achieve higher density development that does not require access from Leach Highway. New housing provides opportunity to incorporate quiet building design (for noise amelioration), to improve the amenity of housing in this location.

## Objectives:

- To provide for residential uses which deliver diverse and affordable housing options for the community.
- and affordable housing options for the community.

  ii. To manage noise and access impacts from Leach
  Highway through innovative design responses.
- Highway through innovative design responses.

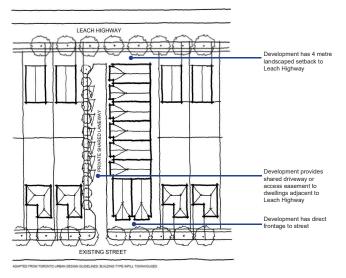
  iii. To ensure the nature, form and scale of development respects and integrates with the surrounding suburban streetscape.
- iv. To reduce direct vehicular access from private property onto Leach Highway and encourage direct vehicular access onto alternative streets.

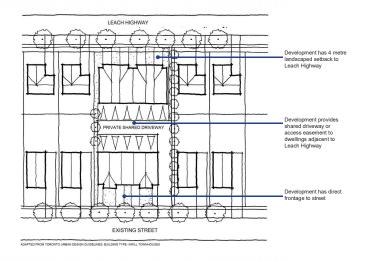
### Spatial Guidelines

These spatial guidelines provide additional guidance and interpretation for future detailed planning to meet the objectives and design requirements for the Leach Highway Policy area, as set out in Part 1 of the Willagee Structure Plan.

### Leach Highway Policy Area

The following spatial guidelines show two examples of how the objectives and split coding design requirements can be met.









# **Street Address**

10 Almondbury Road, Booragoon WA 6154 **Po Box** Locked Bag 1, Booragoon WA 6954 **Tel** 1300 635 845 **Fax** 08 9364 0285 **www** melvillecity.com.au

National Relay Service (hearing/speech impaired)
Tel 133 677 (TTY) 1300 555 727 (speech relay)
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