

walls orientated between 20° west and 30° east of true north.

- (e) Sunlight is to be available to the majority of living room spaces and private and communal open space areas of the proposed dwellings, and any existing adjoining dwellings, having regard but not limited to:
- Building siting;
 - Living area orientation;
 - Location of windows;
 - Tree species;
 - Pergolas;
 - Eaves;
 - Fencing;
 - Roof pitch and
 - Building height.
- (f) All dwellings are to be designed and located so that at least 50% of each courtyard and private open space receives a minimum 3 hours of direct sunlight between 9.00 am and 3.00 pm on 21 June (Winter Solstice).
- (g) All dwellings should be designed to maximise natural cross ventilation through, and appropriate solar access to, all living areas through:
- orientation of living areas to the north with access to the winter sun and summer shade.
 - the shading of large windows located on the northern side from the higher summer sun, through the provision of roof eaves, verandahs, balconies, hoods and/or external screen. Conversely these design elements should permit exposure of living areas to the lower winter sun.
- (h) Landscape design should assist in microclimate management through the location and selection of deciduous trees to permit winter sunlight access to living areas and summer shade to north facing exposed dwelling walls and windows.

C.5. 64 MACKILLOP DRIVE, BAULKHAM HILLS

C.5.1 LAND TO WHICH THIS SECTION OF THE PLAN APPLIES

This chapter of the Development Control Plan establishes site specific objectives and controls to guide future development on Lot 2 DP-817696, Lots 1001, 1002 and 1003 in DP 1190982 No.64 Mackillop Drive, Baulkham Hills (see Figure 2).



Figure 2: SUBJECT SITE

This chapter must be read in conjunction with Part A – Introduction of this DCP and other relevant Sections, including:

- Part B Section 2 – Residential
- Part B Section 4 – Multi Dwelling Housing
- Part B Section 5 – Residential Flat Buildings
- Part C Section 1 – Parking
- Part C Section 3 – Landscaping
- Part C Section 4 – Heritage

In the event of any inconsistency between this Section of the DCP and any other Sections of the DCPs, the provisions of this Section shall prevail only to the extent of the inconsistency.

C.5.2 SITE ANALYSIS

The subject site is bounded by Mackillop Drive to the east and Barina Downs Road to the north. The site has an area of 181,500m².

Located to the east of the site is the former farmhouse which is identified as a heritage item of local significance under the ~~Baulkham Hills Local Environmental Plan 2005~~ The Hills Local Environmental Plan 2012. Located on the western portion of the site is the Conference/Retreat Centre, associated facilities and the former priest's house. The remainder of the site is vacant.

Residential properties adjoin the southern and western boundaries of the subject site. Surrounding development is mostly detached dwellings to the north with some multi dwelling housing development. Residential flat building development ~~has been approved~~ is situated on ~~vacant~~ land to the north.

The topography of the site is characterised by moderate to steeper slopes with a central ridgeline that is oriented along an east-west direction. Slopes on the northern side of the ridgeline range from 5% to 14% and range from 10% to 25% on the southern side. The sloping land presents challenges for future dwelling design and construction.

The dominant central ridgeline allows panoramic views on both the northern and southern aspect. Views from the northern aspect of the central ridge are local views over the Norwest Business Park and distant views to the mountains to the west. Views from the south side of the ridge are primarily over the established residential areas.

Five distinct drainage catchments are present on the site due to spur lines that extend from the eastern and western edges of the ridge. The largest catchment which drains to the south generates flood risk management issues at the confluence of three overland flow paths.

The majority of native vegetation has been cleared from the site for grazing of livestock, but areas along the access road and around the heritage listed building have been landscaped with exotic plants. Small remnants of vegetation occur on the western edge of the site and are listed on National Parks and Wildlife Service (2002) maps as Sydney Turpentine Ironbark Forest. This is listed as a Critically Endangered Ecological Community under the Environment Protection and Biodiversity Conservation (EPBC) Act 1999 and as an Endangered Ecological Community under the Threatened Species (TSC) Act. Councils mapping

identifies the remnant vegetation as Cumberland Plain Woodland which is also listed as a Critically Endangered Ecological Community under the schedules of both the EPBC and TSC Acts. A flora and fauna survey and assessment undertaken in November 2011 has identified that the site is within a geographical transition zone between these two endangered ecological communities.

The key features of the site are shown in Figure 3.

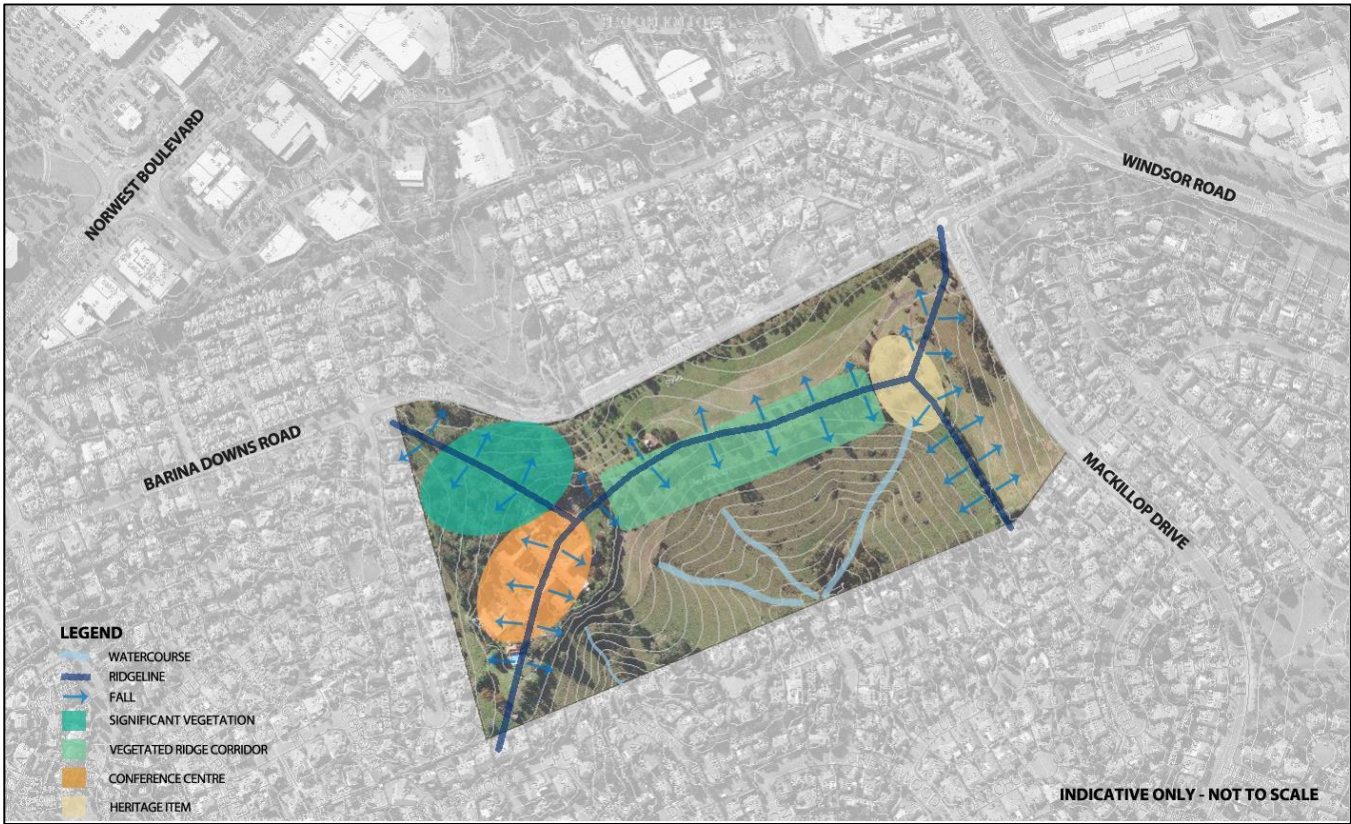


Figure 3 SITE ANALYSIS

C.5.3 SITE SPECIFIC OBJECTIVES AND DEVELOPMENT CONTROLS

The objectives and development controls for this site are set out in the following sections.

C.5.3.1 SITE PLANNING

OBJECTIVES

- (i) *To achieve coherent site planning and development that relates to the natural topography of the site and contributes to the character of the area.*
- (ii) *To protect, contribute and enhance the existing residential character and amenity.*
- (iii) *To ensure acceptable levels of amenity and minimise negative impacts of traffic movements on the surrounding locality.*

DEVELOPMENT CONTROLS

- (a) Residential flat buildings, attached dwellings and dwelling houses are to be provided in the locations identified in Figure 4.

- (b) Access to the site is to be provided in the locations identified in Figure 4.
- (c) Prominent views identified in Figure 4 are to be retained. Streets are to be located to enable additional view corridors into No.64 Mackillop Drive, Baulkham Hills and to the heritage item.
- (d) The central ridgeline between the single dwelling housing and small lot housing areas is to be retained as common-open space.

C.5.3.2 HERITAGE

The existing building is an interwar Californian bungalow built around circa 1928. It is described in The Hills Shire Council Inventory Sheet No.92 as “A fine example of a bungalow in original condition”.

An important aspect of maintaining and enabling the interpretation of the heritage significance of a building is the land around it that establishes its context, commonly known as curtilage. Curtilage can include (but is not limited to) significant features of a site such as outbuildings and driveways and also vegetation, for example, the original garden or an avenue of trees.

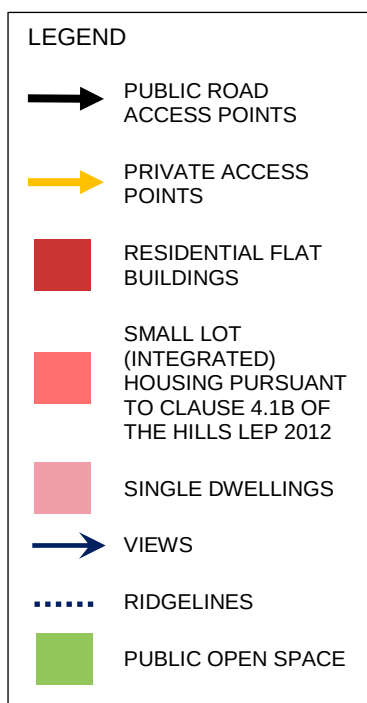


Figure 4: SITE PLANNING

OBJECTIVES

- (i) *To ensure that the subdivision of land on which a heritage building is located does not isolate the heritage building from its setting or context or adversely affect its amenity or privacy.*
 - (ii) *To ensure that new dwellings erected on land upon which the heritage building is located are sympathetic to the character of the heritage building and its setting.*
 - (iii) *To ensure that the development of land in the vicinity of a heritage site is undertaken in a manner that complements the heritage significance of the site.*
 - (iv) *To ensure that development of the site respects the curtilage established by the original garden associated with the heritage item.*
- (c) Civil works for stormwater drainage dish drains to be kept away from root zones of trees in the access avenue.
 - (d) A Conservation Management Plan must be produced and submitted to Council to ensure that the existing heritage building is managed appropriately for its heritage values.
 - (e) A landscape plan shall be prepared by a landscape architect experienced in dealing with heritage gardens and is to include at a minimum the following:
 - The retention of original and or significant landscaping (including plants with direct links or association with the heritage item); and
 - Details of how new plantings retain significant views to and from the heritage item.

DEVELOPMENT CONTROLS

- (a) The heritage curtilage is to be consistent with the area shown edged yellow in Figure 5.
- (b) Brush box trees located parallel to Mackillop Drive and within the immediate curtilage in Figure 5 shall be retained.



Figure 5: REQUIRED HERITAGE CURTILAGE

C.5.3.3 SURFACE WATER RUNOFF

OBJECTIVES

- (i) *Assist in the management of stormwater to minimise flooding and reduce the effects of stormwater pollution on receiving waterways.*
- (ii) *Ensure that development is not subjected to undue flood risk, nor exacerbate the potential for flood damage or hazard to existing development and to the public domain.*

DEVELOPMENT CONTROLS

- (a) Water sensitive urban design infrastructure will not be accepted as part of any public road or open space dedication.
- (b) The development proposal must demonstrate how the drainage system for the development site is designed to address any site specific conditions, and how it connects into the downstream drainage system.
- (c) The drainage system is to be designed in a manner that ensures that personal and property safety is not compromised.
- (d) A Local Drainage Management Plan is required for development of the site.
- (e) The Local Drainage Management Plan is to address:
 - the hydrology of the locality and its relationship to the drainage system;
 - any expected rise in ground water level due to development;
 - the role of the principal landscape components on the site for water conservation and on-site detention;
 - the scope for on-site stormwater detention and retention, including the collection of water for re-use;
 - how any detrimental impacts on the existing natural hydrology and water quality is proposed to be minimised; and
 - how pedestrian and property safety is to be ensured.
- (f) Onsite Stormwater Detention (OSD) is required to be provided in accordance with Council's adopted policy except where modified in control (g) below.
- (g) Runoff from the development site is constrained by downstream infrastructure/ easements,

specifically those connecting the subject site to Salamander Grove and Albion Place. The Local Drainage Management Plan must include a hydrological and hydraulic analysis of the existing infrastructure downstream to determine the capacity of the existing piped stormwater system. Where runoff from the site in its post development condition exceeds the capacity of the downstream system, additional stormwater management practices will be required to be implemented on site. Alternatively, amplification of the existing downstream drainage network may be necessary.

Additionally, overland flowpaths must be created to safely contain and convey any gap flows generated by the capacity of the storm drainage system being exceeded, or caused by system blockage. The overland flowpaths must be capable of conveying the maximum discharge between the 100 year ARI catchment runoff and pipe system capacity, safely connecting to the closest existing overland flowpath (road reserve). This may require improvements to the surface of easements where relied upon by the proposed development.

- (h) All hydrological and hydraulic modelling undertaken must be submitted to Council as part of a development application.
- (i) The post development run-off from impermeable surfaces (such as roofs, driveways and paved areas) is to be managed by stormwater source measures that:
 - contain frequent low-magnitude flows;
 - maintain the natural balance between run-off and infiltration;
 - remove some pollutants prior to discharge into receiving waters;
 - prevent nuisance flows from affecting adjacent properties; and
 - enable appropriate use of rainwater and stormwater.
- (j) Where filtration and bio-retention devices are proposed, they are to be designed to capture and provide temporary storage for stormwater.
- (k) Public stormwater easements within residential lots are not permitted. Instead, local drainage links/ pathways must be used to retain public infrastructure within public land. The minimum width of any local drainage link must be 5m.

(Refer to Council's Design Guidelines – Subdivisions & Developments)

- (l) A stormwater quality assessment is to be submitted with the development application to demonstrate that the development will achieve the post-development pollutant load standards in accordance with the Water Sensitive Urban Design Technical Guidelines for Western Sydney (2004) or as amended.
- (m) The stormwater quality assessment is to be prepared by a suitably qualified engineer with experience in water sensitive urban design and include:
- Modelling of pre-development and post-development pollutant loads with an industry standard water quality model;
 - The design of water sensitive urban design measures used to achieve the required post-development pollutant loads; and
 - Maintenance schedules of any proposed water sensitive urban design measure that requires maintenance and/or likely full replacement.
- (n) Water sensitive urban design elements, consisting of, but not limited to:
- Bio-retention swales;
 - Rain gardens;
 - Vegetated swales;
 - Vegetated buffers;
 - Rainwater tanks; and
 - Gross pollutant traps,

must be incorporated into the planning for, and appropriately located within any future subdivision of the land.

- (o) An alternative water quality treatment measure, which differs from the prescribed development controls may be considered on merit only where the identified surface water runoff objectives are deemed to be satisfied.

C.5.3.4 ROADS

OBJECTIVES

- (i) *To provide an acceptable level of access, safety and convenience for all road users, whilst ensuring acceptable levels of amenity and protection from the impact of traffic.*

- (ii) *To provide sufficient road reserves, carriageway and verge width to allow roads to perform their function within the road network.*
- (iii) *Roads are to be designed and located in a manner which respects and responds to the environmental features and constraints of the site.*

DEVELOPMENT CONTROLS

- (a) Roads are to be designed to integrate into the local road network and provide for the efficient and safe movement of vehicles, bicycles and pedestrians throughout the development site.
- (b) The location and design of roads should minimise the extent of cut and fill and cause the least disturbance and impact on native vegetation.
- (c) All roads are to be designed in accordance with the standards established in the table below:

Street Types				
Type	Max number of dwellings	Street reserve	Lane width	Footpath width and verge
Access Place	30	14.5m	7.5m	2 X 3.5m verge (1.2m wide path provided in verge on one side)
Access Street	200	15.5m	8.5m	2 X 3.5m verge (1.2m wide path provided in verge on one side)

- (d) A lesser verge width may be considered where the road is adjacent to common open space.

C.5.3.5 SINGLE DETACHED DWELLINGS

The provisions of Part C Section 3 – Residential will apply. However, the additional setback control as stated below will apply to ensure that new development is sensitive to the landscape setting, site constraints, existing amenity and established character of the street and locality.

A. SETBACKS

OBJECTIVES

- (i) *To provide setbacks that complement the streetscape and protect the privacy and sunlight to adjacent dwellings.*

DEVELOPMENT CONTROLS

- (a) Lots fronting Mackillop Drive shall have a primary setback of not less than 7.5 metres with corner allotments having a minimum secondary setback of 4 metres. All other lots shall have a primary setback of 6 metres and secondary setback of 2 metres for corner allotments.
- (b) A minimum rear setback of 10 metres is to be provided on the southern boundary of the development site. This requirement does not apply to any residential lot having direct frontage to Mackillop Drive.

C.5.3.6 MULTI DWELLING HOUSING

The provisions of Part B Section 4 – Multi Dwelling Housing will apply.

C.5.3.7 RESIDENTIAL FLAT BUILDINGS

The provisions of Part B Section 5 – Residential Flat Buildings will apply. However, the additional controls as stated below will apply:

A. SETBACKS**OBJECTIVES**

- (i) *To provide setbacks that complement the setting and contribute to the streetscape and character of the street.*
- (ii) *To minimise any adverse impacts such as overshadowing and privacy on adjacent and adjoining properties.*

DEVELOPMENT CONTROLS

- a) The minimum front setback to Barina Downs Road for residential flat buildings is 10 metres.
- b) The minimum setback to the western boundary where the proposal abuts a residential property is 10 metres.
- c) The minimum rear setback is 6 metres where development abuts the conference centre.

B. DENSITY**OBJECTIVES**

- (i) *To ensure that the apartment development is compatible with the surrounding development and the bushland landscape setting.*

DEVELOPMENT CONTROLS

- (a) The maximum population density is 140 persons. The density is based upon the following occupancy rates:

Dwelling Type	Occupancy (Persons)	Rate
1 bedroom unit	1.3	
2 bedroom unit	2.1	
3 bedroom unit	2.7	
4 bedroom unit	3.5	

C.5.3.8 HOUSING AS PER CLAUSE 4.1B OF THE HILLS LOCAL ENVIRONMENTAL PLAN 2012 EXEMPTIONS MINIMUM LOT SIZES FOR CERTAIN DEVELOPMENTS

Housing pursuant under the provisions of clause 4.1B of the Hills LEP 2012 presents the opportunity to consider all aspects of building and site design together, to be combined effectively to create a functional and attractive residential environment. Typically this form of development is referred to as 'small lot housing'.

All small lot housing developments must be designed so as to ensure a compatible relationship between dwelling-houses on individual lots and dwellings on adjoining land.

Any person undertaking a small lot housing development is required to submit a combined Development Application to Council for the construction of the dwelling-houses and subdivision of the land.

Factors which should be considered in the layout of a small lot housing development include:

- slope and orientation of the land;
- energy-efficient design of subdivision and dwelling-houses

- solar access to adjoining dwellings/dwelling-houses;
- adequate visual and acoustic privacy to each dwelling-house;
- relationship to adjoining dwellings/dwelling-houses;
- retention of special qualities or features such as trees and views;
- provision of adequate site drainage;
- provision for landscaping and private open space; and
- existing streetscape character.

A. SITE COVERAGE

OBJECTIVES

- (i) *To minimise bulk and scale of development and ensure that suitable land is available for landscaping, drainage and retention of vegetation.*

DEVELOPMENT CONTROLS

- (a) The maximum site coverage (including garage/carport, driveways, outbuildings, decks, patios, paved areas and pools) for each dwelling in a small lot housing development is 65%.

B. SETBACKS

OBJECTIVES

- (i) *To create an attractive, interesting and pleasant streetscape through the siting of buildings.*
- (ii) *To provide visual separation of built forms, privacy and opportunities for landscaping.*
- (iii) *To protect solar access to habitable rooms, protect and optimise useable open space around dwellings, and protect adjoining dwellings from excessive overlooking, overshadowing and general loss of amenity.*
- (iv) *To provide sufficient space for vehicle parking, manoeuvrability and clear sight lines.*
- (v) *Maintain and enhance established streetscape and character of the neighbourhood. This includes building setback, landscaping, fencing, lighting, pathways and street trees.*

DEVELOPMENT CONTROLS

- (a) Zero lot line housing shall occur only on the southern side boundary of east-west allotments and either side boundary but not both sides of north-south allotments.
- (b) The length of the zero lot line wall is to be a maximum of 10 metres.
- (c) No dwelling built on the zero lot line is to abut an adjoining dwelling also built on the zero lot line.
- (d) No openings shall be located along the zero lot boundary wall. The boundary wall shall be constructed of maintenance free materials such as face brick or masonry. Walls located on the boundary must comply with the requirements of the Building Code of Australia in terms of fire separation.
- (e) All boundary walls must extend at least 300mm above the roof line of the dwelling to ensure that roof drainage is contained within the site.
- (f) A restriction as to user is created for a one metre wide maintenance easement over the adjoining property pursuant to Section 88B of the Conveyancing Act 1919.
- (g) Building setbacks are to be in accordance with the table below:

Location/Frontage	Setback
Primary Street - Mackillop Drive - Barina Downs Road	7.5m 6m
Secondary Street - MacKillop Drive - All other corner - allotments	4m 2m
All other streets - internal	4.5m
All Garages	5.5m
Side boundary	zero lot line or 900mm
Rear boundary	6m

C. VEHICULAR ACCESS

OBJECTIVES

- (i) *To provide an acceptable level of vehicular access, safety and convenience for all users of the development.*
- (ii) *To ensure that the internal roadway design can satisfactorily accommodate the expected traffic volumes of the development.*

- (iii) *To provide a safe environment for both pedestrians and vehicles using the site and surrounding road network.*

DEVELOPMENT CONTROLS

- (a) All internal roadways are to be of a sufficient width as determined by a traffic report to adequately accommodate the volume of traffic generated by the development, and the provisions of service vehicles.

D. CAR PARKING

OBJECTIVES

- (i) *To ensure that garages do not dominate the streetscape.*
- (ii) *To provide sufficient and convenient parking for residents.*
- (iii) *To ensure that adequate car parking is provided on-site so as to prevent inconvenience to residents and congestion in nearby streets.*

DEVELOPMENT CONTROLS

- a) A minimum of one car parking space is to be provided per dwelling. This space is to be located within a garage.
- b) Carports and garages facing a public place are to be no more than 6m in width, nor extend across more than 50% of the property frontage, whichever is the lesser.
- c) Carports and garages are to be designed to be:
- visually subservient;
 - integrated into the overall dwelling design; and
 - constructed of similar materials and finishes to the dwelling.
- d) Where a double garage is proposed a minimum of two of the following design measures are to be employed:
- garage doors are divided by a vertical masonry pillar or similar;
 - upper floor element projected forward of the garage to cast shadow and take prominence;
 - colours and textures to ensure garage door subservience;
 - utilisation of vertical elements to mitigate the horizontal emphasis of the garage;

- garage entrance to be orientated away from primary street frontage to face the side boundary; and
- staggered garages whereby one garage is setback from the adjoining garage.

E. FACADES

OBJECTIVES

- (i) *To provide visual interest to the streetscape through the incorporation of design features.*

DEVELOPMENT CONTROLS

- (a) For all dwellings the facade must be suitably articulated and incorporate two of the following design elements:
- Non-enclosed verandah for at least 40% of the dwelling width
 - Entry feature or portico
 - Balcony or window box treatment to first floor element
 - Recesses or projection of prominent architectural elements to visually break up the facade and avoid blank wall appearance;
 - Verandah, pergola or similar provided over garage doors

F. PRIVATE OPEN SPACE

OBJECTIVES

- (i) *To ensure the private open space is usable, functional and easily accessible for residents*
- (ii) *To ensure private open space includes landscape and soft features*
- (iii) *To ensure direct access and a relationship between indoor and outdoor living areas.*

DEVELOPMENT CONTROLS

- (a) Each dwelling must have a minimum private open space area of 24m² capable of containing a dimension of 4m and must have direct and level access to the dwelling's living areas, such as a lounge room, a family room, a dining room, or a kitchen.

In the calculation of private open area:

- a minimum of 50% of the open space area must be grassed or soft landscaped area

located in the rear yard except where such private open space is an elevated deck over rear lot access.

- no area is less than 2.5 metres in width.
 - outdoor clothes drying area are included as private open space.
 - car spaces are not included in private open space calculations.
- (b) Private open space is not permitted in the front setback.
- (c) A garage or gate must provide access between the private open space and the driveway.
- (d) At least half (50%) of the principal private open space area is to receive a minimum of 2 hours direct sunlight between 9am and 3pm during mid winter.

G. COMMON OPEN SPACE

OBJECTIVES

- (i) *To provide outdoor living space which is an extension of the dwelling for the enjoyment of its inhabitants.*
- (ii) *To provide outdoor living space which is of useable dimensions and which is located to receive a reasonable quantity of sunlight.*
- (iii) *To enhance the quality of the built environment by providing high quality landscaping.*
- (iv) *To promote a pleasant and safe living environment.*
- (v) *To provide functional open space within the development for the informal recreation of residents and children's play.*

DEVELOPMENT CONTROLS

- (a) The central ridgeline and curtilage of the heritage item is to be retained as common open space.
- (b) The common open space areas is to be:
 - easily accessible to all residents within the development;
 - of a configuration, slope, and design so as to ensure it is easily maintained;
 - located to ensure the area receives adequate sunlight during mid winter;
 - of a sufficient size to satisfy the immediate open space demands of the proposed population and accommodate informal active recreational activities; and

➤ provided with passive surveillance.

- (c) The common open space area is to include a child play area or recreation activities area.
- (d) The common open space area must have a minimum dimension of 12m x 12m.
- (e) For developments consisting of 15 or more dwellings the common open space area is to comprise an area equivalent to 10m² per dwelling.
- (f) Access for all residents to the common open space area is to be guaranteed via the titling system.
- (g) The majority of the common open space area is to receive direct sunlight between 9am – 3pm during mid-winter.

H. LANDSCAPING

OBJECTIVES

- (i) *To enhance the setting of the heritage building and the environmental quality of the neighbourhood.*
- (ii) *To conserve significant natural features of the site and incorporate them into landscape areas.*

DEVELOPMENT CONTROLS

- (a) The minimum required landscaped or naturally vegetated area for integrated housing as a percentage of the total site area is 35%.
- (b) Existing trees should be preserved.
- (c) Native species are to be used to maintain a strong natural theme for the neighbourhood due to their low maintenance characteristics, relative fast growth, aesthetic appeal and compatibility with the natural habitat.
- (d) All landscaped areas are to have a minimum width of 2m.

I. SOLAR ACCESS

OBJECTIVES

- (i) *To maximise solar access to internal living and open space areas in winter.*
- (ii) *To ensure no adverse overshadowing of adjoining allotments/developments.*

- (iii) *To orient the development in a way that best allows for appropriate solar access and shading,*
- (iv) *To minimise the need for artificial lighting in dwellings during the day.*
- (v) *To orientate dwellings so that the living areas face north.*

DEVELOPMENT CONTROLS

- (a) All dwellings must be designed to ensure that the living areas are orientated towards north where possible and that all north facing living area windows receive at least 3 hours of direct sunlight between 9am and 3pm on 21 June.
- (b) Garages, bathrooms and laundries should be located in areas with a west to southwest orientation, with windows (glazing) minimised in size and number as well as being protected with effective sun shades.
- (c) Shadow diagrams shall be submitted showing the impact of a proposal on the adjacent residential buildings and their private open space. Such diagrams shall be based on a survey of the site and adjoining development. The shadow diagrams shall include all openings and windows of adjoining buildings and shall demonstrate likely shadow impact on the 21 June for 9am, 12pm and 3pm.

J. PRIVACY CONTROLS

OBJECTIVES

- (i) *To site and design buildings to ensure visual privacy between dwellings.*
- (ii) *To avoid overlooking of living spaces in dwellings and private open spaces.*
- (iii) *To contain noise within dwellings and communal areas without unreasonable transmission to adjoining dwellings.*

DEVELOPMENT CONTROLS

- a) Buildings are to be designed to ensure maximum protection of privacy; in particular the privacy of primary living areas must be protected. Where appropriate consideration should be given to:
 - using windows that are narrow, translucent or obscured or have window sills a minimum of 1.5m above the upper storey floor level.

- ensuring that windows that face directly to the windows, balconies or yards of adjoining dwellings are appropriately screened.
- b) First floor balconies will not be permitted where they overlook living areas of adjacent dwellings.
- c) The placement of windows should be staggered to minimise direct viewing between dwellings.
- d) Dwellings are to be designed to limit the potential for noise transmission to the living and sleeping areas of adjacent existing and future developments.
- e) Careful consideration should be given to the location of air-conditioning systems, swimming pools and the like to minimise the impact on the amenity of adjoining properties.
- f) Private open space areas and driveways are to be designed and located to minimise noise impacts.

K. ACCESS AND SURVEILLANCE

OBJECTIVES

- (i) *To ensure the needs of residents and visitors are considered with particular regard to access requirements, safety and security.*
- (ii) *To promote incorporation of community safety aspects in the development design.*

DEVELOPMENT CONTROLS

- (a) Integrated housing developments are to provide safe and convenient access for prams, wheelchairs and people with disabilities from the public road to all areas of the development.
- (b) The design of an integrated development is to demonstrate consideration of resident safety and security whereby pedestrian pathways and associated areas are not to be obscured, but rather provided with natural surveillance.
- (c) The siting and design of dwellings shall ensure surveillance of all common areas.
- (d) Access to dwellings is to be direct and without unnecessary barriers.
- (e) Stairs and ramps are to have reasonable gradients and non slip even surfaces.

L. FENCING

OBJECTIVES

- (i) *To ensure that fencing is of a high visual quality, compliments the character of the area and is compatible with the surrounding streetscape.*

DEVELOPMENT CONTROLS

- (a) There shall be no colourbond fencing located along the street frontages of Barina Downs Road and Mackillop Drive.
- (b) Any fencing in the rear setback (facing Barina Downs Road) over 1.2 metres in height shall be setback from the rear boundary a minimum of 500mm to allow landscaping to soften the impact of the fence.
- (c) Side and rear boundary fencing shall be a maximum height of 1.8 metres in height.

