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SC6.20 Planning scheme policy for Palmview Structure Plan

SC6.20.1 Preliminary

Purpose

- (1) The purpose of this planning scheme policy is to:-
 - (a) state standards identified in the Palmview structure plan area code;
 - provide guidelines and advice about satisfying assessment criteria in the Palmview Structure Plan: and
 - (c) state the additional information which the Council may request in respect of a development application.

Application

- (2) This planning scheme policy applies to a development application for a preliminary approval to which section 242 of the Act applies or a development application for assessable development in the Master Planned Area
- (3) The provisions of the **Planning scheme policy for the Palmview Structure Plan** prevail over the provisions of any other planning scheme policy to the extent of any inconsistency;

Relationship to Palmview Structure Plan

(4) This planning scheme policy is to be read in conjunction with the Palmview Structure Plan.

Interpretation

(5) Terms used in this planning scheme policy that are also used in the Palmview Structure Plan have the meaning given in the Palmview Structure Plan.

SC6.20.2 Ecological and landscape protection outcomes

Preliminary

- (1) This section applies to the following ecological and landscape protection outcomes:-
 - (a) the ecological and landscape protection outcomes in Performance Outcomes PO4 to PO15 in Section 10.3.4.3 (Performance outcomes and acceptable outcomes for the whole of the master planned area) of the Palmview structure plan area code; and
 - (b) the non-urban open space infrastructure network outcomes in Performance Outcomes P045 P03840 to P049 P04244 in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the Development of Infrastructure and Services) of the Palmview structure plan area code.

General advice for ecological and landscape protection outcomes

- (2) The following is general advice about satisfying the ecological and landscape protection outcomes:-
 - (a) The ecological and landscape protection outcomes seek to ensure that the development of the Master Planned Area occurs in a manner that:-
 - (i) appropriately recognises and responds to physical constraints;
 - (ii) provides for the protection and rehabilitation of a significant part of the Master Planned Area for environmental and landscape protection purposes; and
 - otherwise exhibits contemporary best practice approaches to ecological and landscape protection.
 - (b) The ecological and landscape protection outcomes are primarily intended to be satisfied by the following:-

avoiding development for urban purposes, other than the limited infrastructure specified on the structure plan maps, occurring:-

(i) (A) on flood prone land identified as being unsuitable to be filled for urban purposes; and

(B) in an ecologically important area;

achieving a minimum of 615 483.4 hectares of land for ecological protection and rehabilitation purposes to improve the extent and capability of natural systems to absorb the impacts associated with large scale urban development and increasing population pressure through the following:-

(A) the establishment of the non-urban open space infrastructure network specifically identified on Other Plans Map OPM P14-P12 (Palmview master planned area non-urban open space infrastructure network) in Schedule 2 (Mapping);

the implementation of Appendix SC6.20A (Palmview master planned area (B) ecological and landscape protection and rehabilitation plan);

the implementation of a Local Ecological and Landscape Protection and Rehabilitation Plan which:-

outlines how Appendix SC6.20A (Palmview master planned area ecological and landscape protection and rehabilitation plan) is to be achieved:

- 2. is to be assessed against the requirements which may include the matters in Section 10 (Requirements for local ecological protection and rehabilitation plan) of Appendix SC6.20A (Palmview master planned area ecological and landscape protection and rehabilitation plan) specified in a preliminary approval to which section 242 of the Act applies or another applicable development approval; and
- has been approved by a compliance certificate given by the Council;
- (D) where the provision of infrastructure required to service development in the Master Planned Area adversely impacts on an ecologically important area, the implementation of a Environmental Offset Plan which:

(D) 1. outlines how the ecological and landscape protection outcomes for environmental offsets are to be achieved;

- 2. is to be assessed against the requirements specified in a preliminary approval to which section 242 of the Act applies or another applicable development approval which may include the matters in Table SC6.20H (Compliance assessment requirements); and
- has been approved by a compliance certificate given by the Council.

Guidelines and advice for the ecological and landscape protection outcomes

- The Palmview master planned area ecological and landscape protection and rehabilitation plan (Appendix SC6.20A) provides for the following:-
 - (a) guidelines about satisfying the ecological and landscape protection outcomes; and
 - advice about the requirements for Local Ecological and Landscape Protection and (b) Rehabilitation Plans to be required in a preliminary approval to which section 242 of the Act applies or another applicable development approval.

Advice for environmental offset outcomes

- For the purposes of Performance Outcome PO6 in Section 10.3.4.3 (Performance outcomes and acceptable outcomes for the whole of the master planned area) of the Palmview structure plan area code, the following is advice about satisfying the assessment criteria in the code for the environmental offset outcomes:
 - the Structure Plan Maps identify which infrastructure corridors cross ecologically important (a) areas and the approximate location of the crossings;

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- (b) a environmental offset is required to be provided under the Palmview structure plan area code in circumstances where infrastructure required to service the Master Planned Area adversely impacts upon:-
 - an ecologically important area (either within the Master Planned Area or external to the Master Planned Area); or
 - the ability to achieve a minimum of <u>615-483.4</u> hectares of land for ecological protection and rehabilitation purposes;
- (c) infrastructure is to be considered to adversely impact upon an ecologically important area where one or more of the following occurs or is likely to occur:-
 - (i) the clearing of native remnant or regrowth vegetation or habitat;
 - (ii) the restriction of fauna movement or other impact upon a habitat corridor;
 - (iii) water quality or a natural hydrological condition is affected; and
 - (iv) the functioning of the ecologically important area is otherwise impacted upon.

Advice for environmental transition area outcomes

- (5) For the purposes of Performance Outcome PO9 in Section 10.3.4.3 (Performance Outcomes and Acceptable Outcomes for the whole of the Master Planned Area) of the Palmview structure plan area code, the following is advice about satisfying the standards in the code for the environmental transition area outcomes:-
 - the ecological and landscape protection outcomes provide for limited low impact activities and embellishments to occur within the environmental transition area where they can be demonstrated to be compatible with the primary ecological function of the area;
 - a environmental offset is not required in respect of development of the environmental transition area where the development satisfies the standards in the code for the environmental transition area outcomes;
 - (c) further guidance in respect to stormwater infrastructure is specified in Section SC6.20.9
 (Integrated Water Cycle Management Infrastructure Network Outcomes)the Planning scheme policy for Development works; and
 - (d) further guidance in respect to recreation parks is specified in Section SC6.20.49-9 (Urban Open Space Infrastructure Network Outcomes).

Standards and advice for the scenic amenity and highway acoustic buffer outcomes

- (6) For the purposes of Performance Outcome PO10(f) in Section 10.3.4.3 (Performance Outcomes and Acceptable Outcomes for the whole of the Master Planned Area) of the Palmview structure plan area code, the following are the standards in the code for the scenic amenity and highway acoustic buffer outcomes:-
 - (a) the scenic amenity and highway acoustic buffer is developed in accordance with the typical cross section specified in Figure SC6.20A (Scenic amenity and highway acoustic buffer typical cross section).
- (7) For the purposes of Performance Outcome PO10 in Section 10.3.4.3 (Performance outcomes and acceptable outcomes for the whole of the mater_Master_planned_Planned_areaArea) of the Palmview structure plan area code, the following is advice about satisfying the assessment criteria in the code for the scenic amenity and highway acoustic buffer outcomes:-
 - (a) the Palmview Master Planned Area forms an important part of the distinctive green space or intra-urban break between Caloundra and Maroochydore and is visually significant in relation to views of the Mooloolah River floodplain landscape from the Bruce Highway; and
 - (b) the Palmview Structure Plan provides for an 80 metre wide semi-vegetated buffer (measured from the eastern boundary of the Bruce Highway Road Corridor proposed widening) to be established along the full length of the Palmview Master Planned Area boundary to the Bruce Highway.

Schedule 6

Figure SC6.20A Scenic amenity and highway acoustic buffer typical cross section



SC6.20.3 Neighbourhood design, housing and density outcomes

Preliminary

(1) This section applies to the neighbourhood design, housing and density outcomes in Performance Outcomes PO26 to PO33 in Section 10.3.4.3 (Performance outcomes and acceptable outcomes for the whole of the master planned area) of the Palmview structure plan area code (neighbourhood design, housing and density outcomes).

General advice for neighbourhood design, housing and density outcomes

- (2) The following is general advice about satisfying the neighbourhood design, housing and density outcomes:-
 - (a) the urban structure and land use pattern of the Palmview Master Planned Area is based on the establishment of a number of neighbourhoods which:-
 - aggregate to comprise the broader Palmview community and support the function of the Palmview District Activity Centre; and
 - (ii) are generally defined by a walkable catchment being a five minute walk (400 metres) from an activity centre.
 - (b) the neighbourhood design, housing and density outcomes of the Palmview structure plan area code seek to ensure that development within the Palmview Master Planned Area creates a number of neighbourhoods that:-
 - (i) support sustainable urban development through maximising land efficiency;
 - (ii) encourage alternative travel options to car based travel by promoting the attractiveness of walking, cycling and public transport and providing maximum choice for the end user;
 - (iii) promote good access and connectivity between new neighbourhoods while providing clear connection to surrounding development;
 - establish main street activity centres that promote walkable neighbourhoods and provision of employment;
 - achieve lot and dwelling diversity particularly around activity centres and public transport;
 - (vi) protect areas of environmental value and incorporate cultural, environmental and key landscape features;
 - (vii) promote community health through the provision of a variety of public open spaces and the promotion of active transport modes;
 - (viii) promote perimeter block development that establishes an active interface between building frontage and streets to improve personal safety through increased surveillance and activity;
 - (ix) foster a sense of community and strengthen local identity and sense of place while catering to a range of differing lifestyles;
 - (x) promote environmentally sustainable urban water management; and
 - (xi) are complete integrated communities rather than a series of housing estates.
 - (e)—the neighbourhood design, housing and density outcomes are primarily intended to be satisfied through the following:-
 - (i) application of best practice neighbourhood design implemented through a preliminary approval to which section 242 of the Act applies or the approval of another applicable development applications.
 - (ii) implementing an Affordable Living Plan which:-
 - (A) outlines how the housing affordability and affordable living outcomes for the Master Planned Area are to be achieved;
 - (B) is to be assessed against the requirements specified in a preliminary approval to which section 242 of the Act applies or another applicable development approval which may include the matters in Table SC6.20H (Compliance assessment requirements); and
 - (C)(c) has been approved by a compliance certificate given by the Council.
 - (d) development should be designed through an integrated design approach that iteratively considers each component or network of a neighbourhood;
 - development should provide neighbourhoods that are arranged to take account of the following:-

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- (ii) (iii) (iv) (v) elements that are shared by more than one neighbourhood (i.e. schools and district parks); and
- adjoining master plan boundaries.
- development should comply with the design outcomes for neighbourhood design specified in Table SC6.20A (Neighbourhood design outcomes). (f)

Table SC6.20A Neighbourhood design outcomes

Column 1	Column 2
Neighbourhood Element	Design Outcomes
Neighbourhood Area	 Each neighbourhood is generally defined by a five minute walk (400 metres) from the neighbourhood centre. Each neighbourhood has individual points of difference to strengthen identity. A robust urban and neighbourhood structure is established that can accommodate a range of uses and which is flexible enough to change over time.
Movement Networks	 Street environments prioritise and encourage pedestrian and cycle movement throughout a connected walkable neighbourhood. A highly permeable and integrated grid-based movement network of streets, pedestrian and cycle paths that maximise access to public transport is established. The street network is focussed on the Local Activity Centres whilst providing for strong links between the Local Activity Centres and the District Activity Centre. The layout of streets enables development to front all streets and public spaces. Culs-de-sac are not provided, or where provided, no more than 10% of dwellings have frontage to a cul-de-sac. There are efficient external connections, specifically for bicycles and pedestrians.
Activity Centres	 An activity centre is provided as a community focus for each neighbourhood. Activity centres are located central to the walkable neighbourhood catchments, adjacent to principal movement arteries served by public transport. Activity centres include a mix of compatible uses that provide for a variety of daily needs, community facilities and urban open space, such as a small square that reinforces a sense of community identity. Transition between centre uses and residential uses occurs at mid-block property boundaries rather than at a street frontage so that similar forms of development front each other across a street. All streets are fronted by development or public spaces to maintain street activity. All off street vehicle parking areas are located to the rear of sites and do not have direct street frontage.
Residential Density	 A range of densities and variety of housing types are provided. The concentration of housing density increases with proximity to activity centres. The -diversity and density of housing provided supports public transport use. A wide range of lot sizes and building forms allow greater housing and lifestyle choice. Residential developments are not provided in gated street formateinvolving gated communities, such as a retirement facility, are designed to ensure that the connectivity of road, public transport, bicycle and pedestrian networks are not compromised and that perimeter fences do not prevent surveillance of and integration with adjoining urban and non-urban open spaces and other public spaces. Perimeter block development is provided in the District Activity Centre and adjacent to Local Activity Centres to promote a sense of enclosure and active streetscape while providing for casual surveillance.
Community Facilities	Community uses and facilities are located in or adjacent to Activity Centres or

Column 1 Neighbourhood	Column 2 Design Outcomes
Element	
	 major urban open space areas and at locations that are highly accessible and easily identifiable. Community uses and facilities are designed to have versatility and adaptability for a variety of functions over time. Land for community uses and facilities may be located adjacent to open space where joint use of the facility with the space is envisaged.
Schools	Primary schools are generally located between neighbourhoods to enable
	sharing amongst two or three neighbourhoods.
	Secondary schools and major private schools are located on arterial routes near public transport in areas that do not take up a large amount of the core walkable catchment area of a public transport station.
	 Strong, direct connections are provided from schools to the walking and cycling network in the surrounding neighbourhood areas.
	The transport infrastructure in neighbourhoods around schools is to have
	sufficient capacity to service anticipated trip generation and to avoid any
	adverse impacts on surrounding land uses, the external transport network and
	public safety.
Employment Areas	 Employment areas are generally located in walking distance to public transport stops and an activity centre.
	Open space areas for workers and visitors to the area are provided.
Block Sizes, Site Areas and Lot Orientation	 A range of block and lot sizes are provided that allow for a diversity in form and density of residential uses and for other uses to be accommodated in the area. The layout of streets and lots provide for perimeter blocks of buildings fronting streets and create a relatively continuous street frontage.
	 Lots are oriented to front all streets, major roads, parkland and natural areas to provide good streetscape amenity and surveillance and to contribute to security and deterrence of crime.
	 Smaller lots are to predominate near activity centres and near public transport stops, to allow for pedestrian connectivity.
Public Open Spaces	A wide range and diversity of public open spaces is provided.
	 At least one local park is provided per neighbourhood.
	Most dwellings are within 500 metres of a park.
	Regional wide and district parks are located on the edge of neighbourhoods to
	enable sharing amongst two or three neighbourhoods.
	 Parks are overlooked by development rather than backed onto by development to maximise casual surveillance of the park.

SC6.20.4 Sub-tropical and sustainable design outcomes

Preliminary

(1) This section applies to the sub-tropical and sustainable design outcomes in Performance Outcomes PO34 to PO35 in Section 10.3.4.3 (Performance outcomes and acceptable outcomes for the whole of the Master Planned Area) of the Palmview structure plan area code (sub-tropical and sustainable design outcomes).

General advice for sub-tropical and sustainable design outcomes

- (2) The following is general advice about satisfying the sub-tropical and sustainable design outcomes:-
 - (a) the sub-tropical and sustainable design outcomes seek to ensure that neighbourhoods within the Palmview Master Planned Area:-
 - (i) have a distinctive relationship to site and landscape;
 - (ii) are characterised by parks and open spaces;
 - (iii) have sub-tropical streetscapes;
 - (iv) create sites for sub-tropical buildings;
 - (v) have a sub-tropical landscape; and
 - (vi) have walkable journeys that are comfortable;

- (b) the sub-tropical and sustainable design outcomes also seek to ensure that development within the Master Planned Area is designed and operated to minimise the production of greenhouse gas emissions-and to contribute toward the achievement of zero net carbon emissions for the Master Planned Area by 2020; and
- the sub-tropical and sustainable design outcomes are primarily intended to be satisfied by the

the application of best practice sub-tropical and sustainable design at all levels of the (i)(c) development approval process; and

(ii) the implementation of an Energy Management Plan which:

- outlines how the sub-tropical and sustainable design outcomes Planned Area, particularly as they relate to the achievement of a zero net carbon emissions target for development in the Master Planned Area, are to be
- is to be assessed against the requirements specified in a preliminary approval to which section 242 of the Act applies or another applicable development approval which may include the matters in Table SC6.20H (Compliance assessment requirements); and has been approved by a compliance certificate given by the Council.

Advice for sub-tropical design outcomes

- The following is advice about satisfying Performance Outcome PO34(c) in Section 10.3.4.3 (Performance outcomes and acceptable outcomes for the whole of the Master Planned Area) of the Palmview structure plan area code:
 - development should comply with the design outcomes for sub-tropical design specified in Table SC6.20B (Sub-tropical design outcomes).

Table SC6.20B Sub-tropical design outcomes

Column 1	Column 2
Design principle	Design outcomes
Ensuring a strong presence of nature and water	 Preserve and enhance the sub-tropical character of the region by designing developments in response to the climate while integrating and connecting to the surrounding landscape and other natural elements. Incorporate significant native vegetation and large shade trees in private and public spaces, along pedestrian and cycle routes and in transport corridors. Promote public access to any natural or artificial waterways by incorporating their existence into the design for pedestrian and cycle connectivity and recreational activity.
Creating an open and permeable built	 Promote an outdoor lifestyle with strong connection between indoor and outdoor living.
environment	 Promote an outdoor lifestyle for medium density development and to encourage outdoor recreation oriented lifestyles, development should ensure a diversity of open space is integrated into the urban fabric, connected through the pedestrian and cycle network. Reflect proximity of the surrounding natural vegetation and open space by creating permeable urban environments and built form that promotes green access and constant engagement with the natural environment. Support a sub-tropical lifestyle by promoting an open and permeable built form with a climate based outcome by using passive solar design principles such as orientation and solar access, window and awning size and orientation, materials and finishes, ventilation, insulation, thermal mass, natural light, awnings and pedestrian cover.
Incorporating local interpretations of sub-tropical architecture and landscape design	 Promote integration with the natural environment through shaded outdoor dining, entertainment and recreation, for both private and public locations, by incorporating appropriately sized balconies, decks, patios, colonnades, awnings, active streets, open space and green streets into the built form and urban fabric. Provide for a seamless transition between internal and external areas including integration with street activity through appropriate street planting and integration of vegetation with the built form. Incorporate deep soil planting within town centre locations to reflect the densely landscaped panorama and fauna habitation of the Sunshine Coast.

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Column 1 Design principle	Column 2 Design outcomes
	 Incorporate the harvesting of rain water to support surrounding vegetation and building inhabitants. Consider local character and design and recognise how contemporary design and appropriate building materials contribute to the sub-tropical environment's character and diversity. The built form should utilise appropriate materials and colours that diminish detrimental impact of heat gain and reflection and promote durability and serviceability for the subtropical climate.

SC6.20.5 Particular precinct outcomes

Preliminary

- (1) This section applies to the performance outcomes in the following:-
 - (a) Section 10.3.4.9 (Performance outcomes and acceptable outcomes for the District Activity Centre Precinct) of the Palmview structure plan area code; and
 - (b) Section 10.3.4.13 (Performance outcomes and acceptable outcomes for the Local Industry and Enterprise Employment Area Precinct) of the Palmview structure plan area code.

General advice for particular precinct outcomes

- (2) The precinct-based outcomes of the Palmview Structure Plan seek to ensure that the Master Planned Area is developed with an appropriate land use pattern that is functionally efficient, effectively integrated with transport and other infrastructure networks and provides for the creation of interesting, attractive, sustainable and desirable places to live, work and recreate.
- (3) The precinct-based outcomes provide a land use and development intent for each precinct and identify specific built form criteria.
- (4) Whilst these criteria are generally self-explanatory and do not require further guidance, it is recognised that in respect to certain performance outcomes for the District Activity Centre Precinct and the Local <u>Industry and EnterpriseEmployment</u> Area Precinct some additional detail is warranted.

Advice for district activity centre precinct outcomes (main street shared zone)

- (5) The following is general advice about satisfying Performance Outcome PO8 in Section 10.3.4.9 (Performance outcomes and acceptable outcomes for the District Activity Centre Precinct) of the Palmview structure plan area code:-
 - (a) development provides for the main street in the District Activity Centre to-be established as a
 - (i) be completely and equally shared between pedestrians, cyclists, public transport and private vehicles; and
 - (ii) comply with the design objectives specified in **Table SC6.20C (Design outcomes for** shared zonesthe main street).

Table SC6.20C Design outcomes for shared zonesthe main street

Design principle	Design outcomes	Potential treatments/features to achieve outcome
Create a safe environment for users	Lower traffic speed to a walking pace	Provide pedestrian priority crossing at entry point intersections. Create a gateway feature — narrow or angled slow point—on entry to the shared zonemain street. Provide clear signage indicating entry into shared zonethe main street—and—10km/hr speed limit. Use pavement surface materials and colour which clearly distinguish the shared zone main street from regular road surface. Use multiple materials rather than a large expanse of one material. Incorporate traffic calming devices. Teduce straight run of carriageway and create alignment shifts to create horizontal deflections for vehicles. Avoid linear distinction between pedestrian

^{1— &#}x27;Shared zone' means a people-oriented space where walking, cycling, shopping and the driving of vehicles occur as integrated activities within the public domain.

Schedule (

Design principle	Design outcomes	Potential treatments/features to achieve outcome
		 paths and vehicular routes (i.e. no kerb). Restrict vehicle volumes_to 100 vehicles/hour. Plant street trees-to visually reduce carriageway. Incorporate lighting sufficient to ensure the safety of pedestrians and cyclists and motor vehicles.
	Minimise the physical and visual impact of cars on people and the environment and design for equal priority amongst street users	Use coloured and textural surface contrasts. Provide lower parking density to allow for greater provision of public amonity. Bring active frontage such as pavement dining to road edge in appropriate locations.
	Enhance amenity	Avoid use of raised kerbs which will extend the pedestrian circulation space extending shepping/commercial ambience into the street environment and increasing convenience of pedestrian movement. Provide clear entry and exit statements to reinforce shared zonethe main street and enhance visual amenity of street environment. Use alternative pavement surface texture to delineate shared zonethe main street and
	Reduce linear territory ownership created by kerb and channellingstreet cross-sectional elements to promote shared zonethe main street and equality of all end users	enhance street amenity. Avoid linear distinction between pedestrian footpaths and vehicular travel routes or angled slow point on entry to the shared zone. Use landscaping, parking bays, seating areas and bollards to define the vehicular path without creating significant barriers to pedestrian movement or restricting driver visibility of pedestrian activity.
	Reduce proliferation of signs and posts	Provide for pavement marking to delineate parking bays – remove standard signage to reduce visual clutter. No basement access or driveway cross-over to occur along the main streetshared zone. Rear lane access only for sites fronting shared zone the main street to reduce pedestrian conflict and need for signage.
Incorporate environmental infrastructure	Implement sustainable best practice measures to deal with stormwater runoff and WSUD	Design fall of carriage way and footpath to direct water runoff for collection at grates and / or pits visually integrated into street design. Reduce potential for pooling of water at collection points and velocity of flow to ensure pedestrian and vehicular movement is not unduly affected. Select hard and soft landscapes that will not be unduly affected by the water quantity and movement and to assist with water control and dispersement. Consider the special needs of cyclists and disabled access with respect to material selection and gradients when designing street environment in response to stormwater and WSUD.
Create a high quality of visual and physical amenity to the chared zone main street	Provide shaded pedestrian friendly street environment	 Create an attractive streetscape that contributes to the local sense of place, community safety and security. Extend the town centre park into the main street environment. Maximise landscaping along both sides of the street. Retain existing vegetation wherever possible. Space trees at maximum 8m centres to ensure mature canopies establish to provide shade and

Design principle	Design outcomes	Potential treatments/features to achieve outcome
	Create a lively community	enclose the street and ensure the trees are staggered with street lighting. Provide landscaping which reinforces the local context and street orientation. Enhance the character and amenity of the town centre and shared zonemain street with attractive, practical and hardy landscaping which retains significant vegetation. Maximises tree cover along footpaths, streets and in public areas and evokes the landscape character of the Sunshine Coast. Design space to encourage intended end user
	street and memorable town centre that is fully inclusive of all and safe to play, socialise and travel in	 Design space to encourage interface and user activities. Include social interaction opportunities that aren't reliant of retail / commercial function. Contribute to -overall pedestrian connectivity by creating a series of connected community spaces. Use the shared zonemain street landscaped environment to contribute to the creation of a vibrant public space. Maximise pedestrian activity through reduction in restrictions of conventional street environments such as kerbs, signage and high speed traffic. Design the street and adjacent spaces as a lively community place that attracts high volumes of pedestrian activity. Provide active frontages² to built form promoting high interaction with pedestrians and street activity.

Advice for local industry and enterprise employment area precinct outcomes

- (6) For the purposes of Performance Outcome PO1(b) in Section 10.3.4.13 (Performance outcomes and acceptable outcomes for the Local Industry and Enterprise Employment Area Precinct) of the Palmview structure plan area code, the following development may be considered to be low impact industry uses and complementary business and commercial uses in the Local Industry and Enterprise Employment Area Precinct:-
 - development for small to medium size service trades outlets and domestic services outlets, including hire outlets, servicing both business and households;
 - development for business and commercial equipment repairs and services outlets (covering computers, office machines, communications equipment, office furniture and fittings, shop fittings);
 - (c) development for small scale manufacturing establishments; and
 - (d) development for incubator business opportunities that contribute to a start-up economy on the Sunshine Coast.

SC6.20.6 Road transport infrastructure network outcomes

Preliminary

(1) This section applies to the road transport infrastructure network outcomes in Performance Outcomes PO11 to PO13 in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code.

^{&#}x27;Active frontage' means a part of a building which forms a close relationship with the street and contains a visually permeable facade such as a shopfront, retail store, cafe, outdoor dining, personal service and other high pedestrian generating use at street level.

General advice for road transport infrastructure network outcomes

- The following is general advice about satisfying the road transport infrastructure network outcomes:-
 - (a) the road transport infrastructure network outcomes seek to ensure that the Master Planned Area is developed with a highly interconnected and permeable road network that:
 - supports high levels of bicycle and pedestrian use and prioritises these modes;
 - (ii) supports high levels of access to public transport; and
 - effectively services the area;
 - Other Plans Map OPM P8 (Palmview Master Planned Area road transport infrastructure (b) network) in Schedule 2 (Mapping) identifies conceptually the higher order elements of the road transport infrastructure network planned for the Master Planned Area;
 - Figure SC6.20B (Specification of transport infrastructure) identifies the location and extent (c) of the types of sub-arterial road and district trunk-collector read-street servicing the Master Planned Area);
 - Other Plans Map OPM P7 (Palmview Master Planned Area development and transport infrastructure network sequencing) in Schedule 2 (Mapping), Figure SC6.20B (Specification of transport infrastructure) and the applicable infrastructure agreement specifically identify the sequence of the higher order elements of the road transport infrastructure network planned for the Master Planned Area;
 - road transport infrastructure is required to be provided throughout the Master Planned Area in accordance with Other Plans Map OPM P7 (Palmview Master Planned Area development (e) and transport infrastructure network sequencing), Other Plans Map OPM P8 (Palmview Master Planned Area road transport infrastructure network) and the requirements of the applicable infrastructure agreement;
 - (f) the road transport infrastructure network is a key structural element that provides a framework for the following:
 - the pattern of land use:
 - the arrangement of neighbourhoods; and (ii)
 - the configuration and alignment of local streets and other infrastructure networks;
 - (g) the road transport infrastructure network outcomes are primarily intended to be satisfied by the following:
 - development providing providing the major road transport infrastructure in accordance (i) with the applicable infrastructure agreement;
 - development ensuring that the road transport infrastructure to be provided is in (ii) accordance with the road transport infrastructure network and the standards for the road transport infrastructure network as specified in the Palmview structure plan area code: and
 - (iii) the detailed design and construction of the road transport infrastructure network incorporating appropriate urban design, landscape and environmental features and treatments;
 - ementing a Sustainable Transport Plan which:-
 - (A) utlines how the public and active transport outcomes for the Master Planned
 - is to be assessed against the requirements specified in a preliminary approval to which section 242 of the Act applies or another applicable—development approval which may include the matters in Table SC6.20H (Compliance assessment requirements); and has been approved by a compliance certificate given by the Council.

Standards for road transport infrastructure network outcomes

- For the purposes of Performance Outcome PO11(b) in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code, the following are the standards identified in the code for the road transport infrastructure network:
 - development accords with the development and transport infrastructure network sequencing specified on Other Plans Map OPM P7 (Palmview Master Planned Area development and

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transport infrastructure network sequencing) in particular the specified triggers for vehicle trips and Equivalent Dwellings, which is to be worked out as follows:

Equivalent dwelling or ED means the measure of the demand for the number of vehicle trips equivalent to that generated by a Dwelling calculated for the relevant development type in Table SC6.20D (Applicable uses under the Structure Plan) using the demand generation rates specified in Table SC6.20E (Demand generation rate for development types).

(a)(b) development provides for major roads which comply with the design characteristics specified in Table SC6.20D-20F (Road transport infrastructure network - summary of design characteristics);

(b)(c) development provides for roads which comply with the typical cross sections for each road type specified in Figures SC6.20C to SC6.20N20J;

(c)(d) development provides for roads which comply with the following:-

 cross sections and reserve widths vary to suit intersections, public transport priority treatments, turning lanes, bus stops, pedestrian crossing treatments, sewer pit requirements, lighting and other requirements;

(ii) bus priority is provided at major intersections;

(iii)(ii) verge areas are paved and landscaped in accordance with the typical cross sections in Figures SC6.20C to SC6.20N20J;

(iv)(iii) where medians are provided, street lighting is accommodated within the median;

(v)(iv) where provided, on road cycle lanes are incorporated into the road shoulder carriageway and continued through intersections with right turn cycle lanes provided along with advance storage boxes at controlled intersections;

(vi)(v) where parking lanes are incorporated, the kerb is built out into the parking lanes to create landscaped kerb build-outs at regular intervals without impinging on cycle lanes;

(vii) driveways are constructed as part of the development road works for lots with a kerb build out on their frontage;

(viii)(vi) priority channelised intersections (signalised where required) are provided where possible with the use of roundabouts minimised on higher order roads;

(ix)(vii) legible directional and informational signage is to be supplied as necessary;

(x)(viii) landscaping and stormwater treatment on verge areas and medians does not inhibit direct pedestrian access to on street parking or pedestrian movement across streets;

(xi)(ix) landscaping includes appropriate root barrier protection to kerbs and adjacent services; (xii)(x) medians contain pedestrian refuge areas;

(xiii)(xi) pedestrian refuge areas allow for functioning of stormwater treatments (i.e. median swales) where applicable, are not to impact on the location or functioning of pedestrian refuge areas; and

(xiv)(xii) additional landscaping is provided consistent with the sub-tropical landscape character desired for the Master Planned Area;

(d)(e) development provides for an infrastructure element within a <u>major</u> road corridor to comply with Table SC6.20E-20G (Minimum widths of infrastructure elements within road corridors);

(e)(f) development provides for a road to be designed and constructed in accordance with the Planning scheme policy for the transport and parking code and the Planning scheme policy for development works.

Table SC6.20D Applicable uses under the Structure Plan

Column 1 Development category	Column 2 Development type	Column 3 Uses under Structure Plan	•
Residential development	Attached dwelling	<u>Dual occupancy</u>	

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Column 1 Development category	Column 2 Development type	Column 3 Uses under Structure Plan
		Dwelling unit Multiple dwelling Residential care Short term accommodation Rooming accommodation Caretakers accommodation Community residence
	Detached dwelling	Dwelling house
	Retirement dwelling	Retirement facility
	Other uses	Other uses not listed will be determined at the time of the Application
Non-residential development	Commercial	Office Health care service Car Wash Sales Office Veterinary services
	Community purpose	Community use Place of worship Educational establishment Child care centre Emergency services Community care centre Outdoor sport and recreation
	Industry	Low impact industry Service industry Bulk landscape supplies Research and technology industry Warehouse Utility installation
	Retail and entertainment	Food and drink outlet Nightclub entertainment facility Shop Shopping centre Showroom Hotel Theatre Club Indoor sport and recreation Garden centre Function facility Adult store Service station Hardware and trade supplies Market
	Other uses	Other uses not listed will be determined at the time of the Application

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Table SC6.20E Demand generation rate for development types

Column 1 Development category	Column 2 Development type	Column 3 Unit of measure	Column 4 Trips per unit of measure	Column 5 Equivalent Dwelling per unit of measure
Residential	Detached dwellings	Per dwelling	9	<u>1</u>
development	Attached dwellings	Per dwelling	<u>6</u>	<u>0.67</u>
	Retirement dwellings	Per dwelling	<u>5</u>	<u>0.56</u>
Non-residential	Commercial	100m ² GFA	<u>10</u>	<u>1.11</u>
development	Community purpose other than an Educational Establishment	100m ² GFA	<u>10</u>	<u>1.11</u>
	Community purpose for an Educational Establishment	Per student and staff	<u>1.46</u>	<u>0.16</u>
	Industry	100m ² GFA	<u>5</u>	<u>0.56</u>
	Retail and entertainment	100m ² GFA	<u>121</u>	13.44

Table SC6.20D20F Road transport infrastructure network – summary of design characteristics

	Road type	Minimum road reserve width	Typical features and treatments	Cross-section reference
Sub-arterial Road "Type A" **Type A" **On-road dedicated cycle lane each side. **Landscaped median (where required by the applicable infrastructure agreement). **Indented bus bays. **Dual use path (3.0m minimum width) in each verge. **Direct property access to major development only. **Intersection spacing to be 300m minimum. **No on-road car parking generally, but if provided to be in indented parking bays with corresponding increase in minimum road reserve width. **Fauna fencing, crossings, and other structural/non-structural treatments as required. **Dual carriageway with wide landscaped median and verges. **On-road dedicated traneit lanes as epecified on Other Plans Map OPM P9 (Palmview Master Planned Area Public Transport Infrastructure Network). **2 general movement lanes (1 in each direction). **Indented bus bays. **No on-road car parking. **Dual uses paths both sides (minimum width 3.5m. **Informal boulevard design reinforcing	Road		direction). On-road dedicated cycle lane each side. Landscaped median (where required by the applicable infrastructure agreement). Indented bus bays. Dual use path (3.0m minimum width) in each verge. Direct property access to major development only. Intersection spacing to be 300m minimum. No on-road car parking generally, but if provided to be in indented parking bays with corresponding increase in minimum road reserve width. Fauna fencing, crossings, and other structural/non-structural treatments as required. Dual carriageway with wide landscaped median and verges. No direct residential access. On-road dedicated bicycle lanes both sides. On road dedicated bicycle lanes both sides. On road dedicated transit lanes as specified on Other Plans Map OPM P9 (Palmview Master Planned Area Public Transport Infrastructure Network). 2 general movement lanes (1 in each direction). Indented bus bays. No on road car parking. Dual use paths both sides (minimum width 3.5m.	SC20.D and SC6.20E (Sub- arterial road type a-A_typical cross

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Road type	Minimum road reserve width	Typical features and treatments	Cross-section reference	
	width	bushland character at edges of the Master Planned Area transitioning to more formal boulevard design within Urban Development Area core. Fauna fencing, crossings and other structural/non-structural treatments as required.	•	Formatted: Indent: Left: 0.3 cm, No
Sub-arterial Road "Type B" (Note: this road is proposed to be constructed in two stages, as shown on the referenced cross- sections)	30-37.0 metres	 Structural/non-structural treatments as required. Four general movement lanes (two in each direction). On-road dedicated cycle lane each side. Landscaped median. Indented bus bays. Dual use path (3.0m minimum width):- in each verge for the section of road within the Palmview Structure Plan Area boundary; and in one verge only for the section of road outside the Palmview Structure Plan Area boundary. Direct property access to major development only. Intersection spacing to be 300m minimum. No on-road car parking generally, but if provided to be in indented parking bays with corresponding increase in minimum road reserve width. Fauna fencing, crossings, and other structural/non-structural treatments as required. Dual carriageway with wide landscaped median and verges. No direct recidential access. On-road dedicated bicycle lanes both sides. 2 general movement lanes (1 in each direction). Indented bus bays. No on-road car parking. Dual use paths both sides (minimum width 3.5m. Informal boulevard design reinforcing bushland character at edges of the Master Planned Area transitioning to more formal boulevard design within Master Planned Area core. Fauna fencing, crossings and other structural/non-structural treatments as required. Two general movement lanes (one in each 	Figure SC6.20E 20F, SC6.20G and SC6.H (Subarterial road type b-B typical cross section)	Formatted: Indent: Left: 0.9 cm, No bullets or numbering
Collector Street Collector Road "Type A"	metres	direction). On-street dedicated cycle lane each side. Landscaped median. Indented bus bays. Dual use path (3.0m minimum width) in one verge and footpath (2.0m minimum width) in other verge. Direct property access to major development only, or alternatively restricted to "left in/left out". Intersection spacing to be 100m minimum. Indented parking bays. Fauna fencing, crossings, and other structural/non-structural treatments as	20I and SC6.20J (Trunk District Ceollector read Street type a typical cross section)	Schedule 6

Road type	Minimum road reserve width	Typical features and treatments	Cross-section reference
Trunk Collector Read	27 metres	required. Dual carriageway with wide landscaped median and verges. Parking lanes or indented parking both sides. Indented bus bays. On read dedicated bicycle lanes both sides. I general traffic lane in each direction. Dual use paths both sides. Formal boulevard design. Fauna fencing, crossings and other structural/non-structural treatments as required. Dual carriageway with wide landscaped median and verges. No on read car parking.	Figure SC6.20H (Trunk collector road type b
"Trunk	34 metres	Indented bus bays. On-road dedicated bicycle lanes both sides. 1 general traffic lane in each direction. Dual use paths both sides. Formal boulevard design. Fauna fencing, cressings and other structural/non-structural treatments as required. Dual carriageway with wide landscaped	typical cross section)
Collector Road "Type C"	011101100	median and verges. Indented bus bays. On road dedicated bicycle lanes both sides. On-road dedicated transit lanes as specified on Other plans Map OPM P9 (Palmview Master Planned Area Public Transport Infrastructure Network). I general traffic lane in each direction. Dual use paths both sides. Formal boulevard design. Fauna fencing, crossings and other structural/non-structural treatments as required.	(Trunk collector road type c interim cross section)
Main Street	25 metres	Pedestrian, cycle and vehicle shared zone designed in accordance with the outcomes identified in Table SC6.20C (Design outcomes for shared zones). Pavement treatments which clearly define the extent of the shared zone. Single level pavement (no kerb). Minimal signage and line markings. Lighting for the safety of pedestrians, cyclists and motor vehicles. Informal landscaping. Indented parking both sides. Indented bus bays if required. Note—further detail in relation to design requirements for the District Activity Centre and the Main Street is provided in Section SC6.20.5 (Particular precinct outcomes).	Figure SC6.20J (Main street typical cross section)
Collector Road (Green Boulevard)	25 metres	Single carriageway with wide landscaped verges. Parking lanes or indented parking both sides. On-road dedicated bicycle lanes. Dual use paths both sides. Indented bus bays.	Figure SC6.20K (Collector road (green boulevard) typical cross section)

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Road type	Minimum road reserve width	Typical features and treatments	Cross-section reference
		 Informal boulevard design reinfereing bushland character at edges of the Master Planned Area transitioning to mere formal boulevard design within Master Planned Area core. Fauna fencing, crossings and other structural/non-structural treatments as required. 	
Collector Road	18 metres	Single carriageway with landscaped verges. Parking un-marked. Bicycles accommodated in carriageway (no dedicated lanes). 2 general movement lanes. Footpaths both sides. Indented bus bays where required. Informal boulevard design reinforcing bushland character at edges of the Master Planned Area transitioning to more formal boulevard design within Master Planned Area core. Fauna fencing, crossings and other structural/non-structural treatments as required.	Figure SC6.20L (Collector road typical cross section)
Access Street	14 metres	Single carriageway with landscaped verges. Parking un-marked. 2 general movement lanes. Footpath one side. Bicycles accommodated on-road (shared).	Figure SC6.20M (Access street typical cross section)
Access Place	14 metres	Single carriageway with landscaped verges. Parking un-marked. 2 general movement lanes. No footpaths. Bicycles accommodated in carriageway (no dedicated lanes).	Figure SC6.20N (Access place / laneway typical cross section)

Table SC6.29E20G Minimum widths of infrastructure elements within road corridors

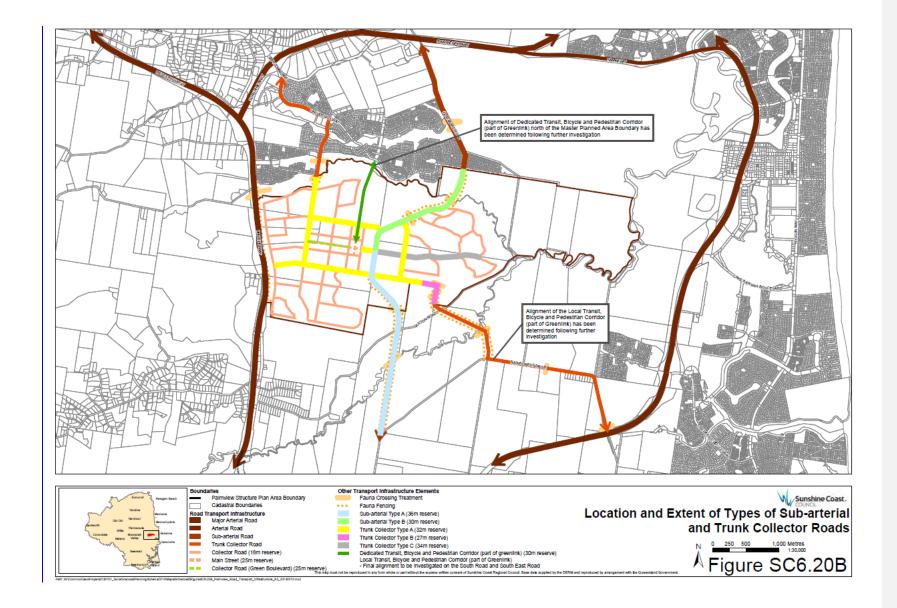
Infrastructure element	Minimum width	
Roads (general traffic lanes)	3.5 metres on sub-arterial roads	
	3.3 metres on district collector streets	
Parking lanes	2. 5 -3 metres	
Parking lanes (where shared with cycle lanes)	4.5 metres	
Parking lanes (where shared with bus bays)	2.5 metres	
Dual use paths	3. <u>5</u> - <u>0</u> metres*	
Footpaths	2 metres*	
Recreation paths	3.5- <u>0</u> metres	
Commuter paths	3.0 metres	
Cycle lanes	1.5-8 metres (where < 60km/hr)* on district	
	collector streets	
	1.8 metres (where >= 60km/hr)*	
	2 metres on sub-arterial roads or where >	
	80km/hr on other roads)*	
Bus lane	3.7 metres	
Median	4-6 metres (on sub-arterial and trunk collector	
	roads	
	3 metres on district collector streetsto	
	accommodate turning lanes).	

 $4.0\underline{6.5}$ metres on sub-arterial roads

Minimum width

Infrastructure element

Verge



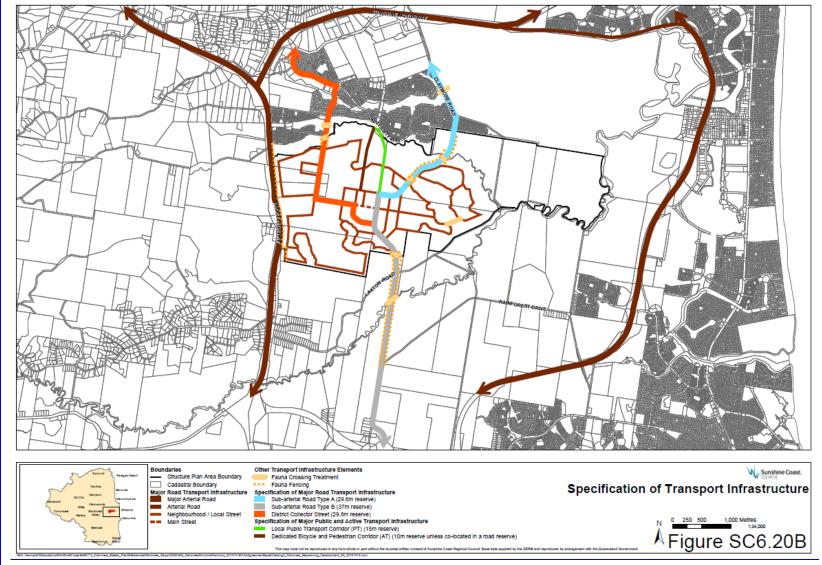
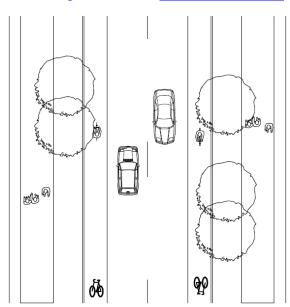


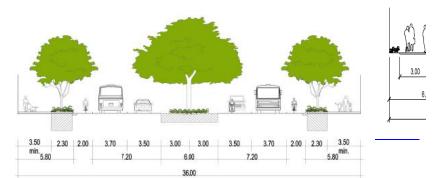
Figure SC6.20C Sub-arterial road-Road Typetype a-A with centre

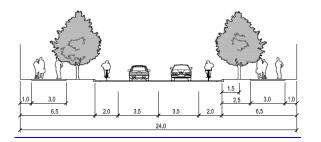
Figure SC6.20D Sub-arterial road-Road type-Type a-A southern link

median typical cross section

bridge cross section with no centre median



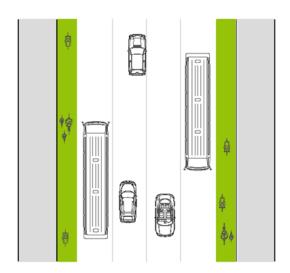


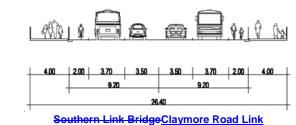


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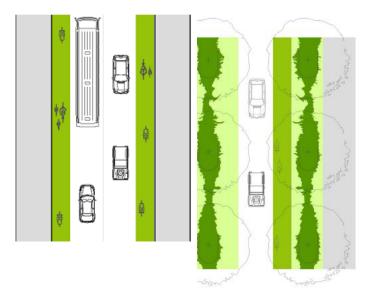






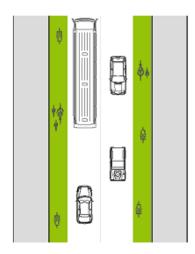
Sub-Arterial - Type AClaymore Road Link

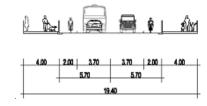
Figure SC6.20E Sub-arterial road-Road type-Type b-A typical cross section bridge



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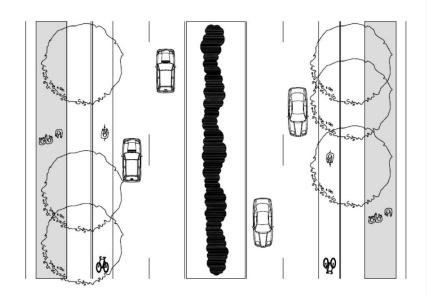
Figure SC6.20F Sub-arterial road-Road type-Type b-B claymore road bridge cross-sectionwith kerb and channel

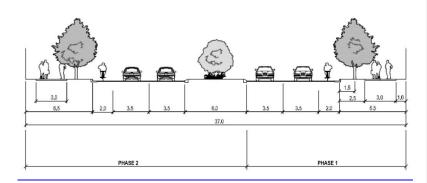




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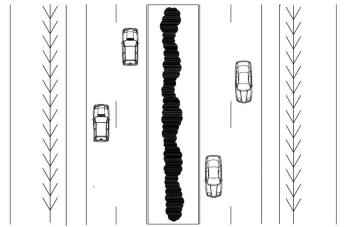


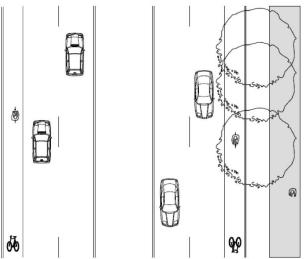
Sub-Arterial - Type BClaymore Road Bridge

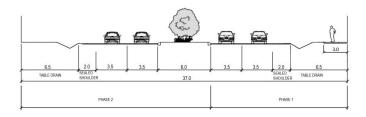
Claymore Road BridgeSouthern Road Link

Figure SC6.20G Trunk collector road type a typical cross sectionSubarterial Road Type B with table drains

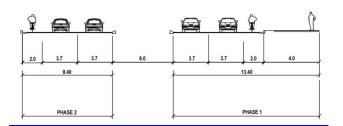
Figure SC6.20H Trunk collector road type b typical cross sectionSubarterial Road Type B bridge



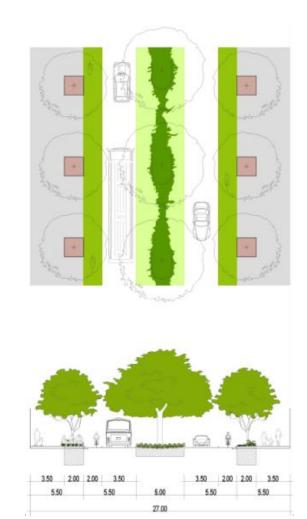




SUBARTERIAL TYPE B WITH TABLE DRAINS

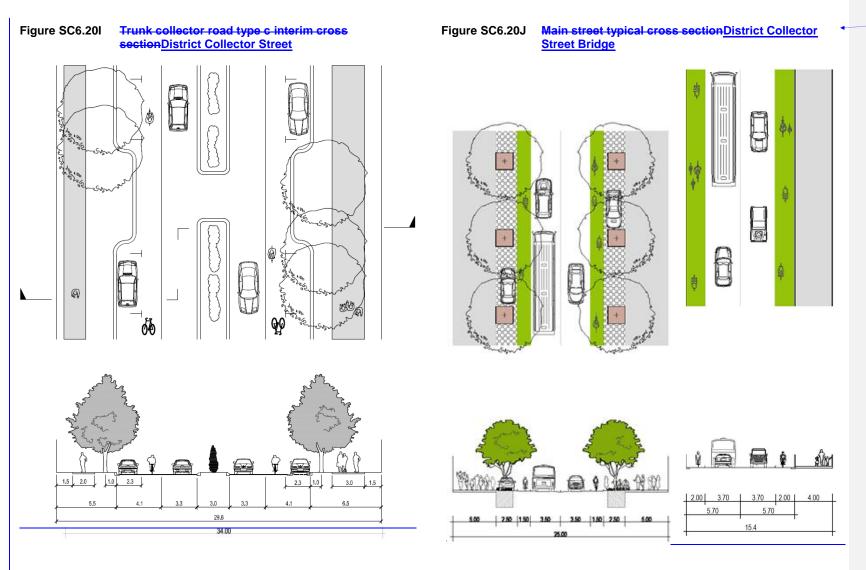


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Trunk Collector - Type BSouthern Road Link Bridge

Trunk Collector - Type ASouthern Road Link



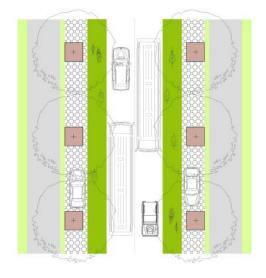
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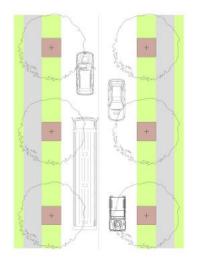
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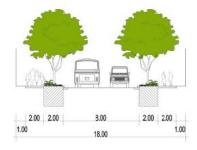
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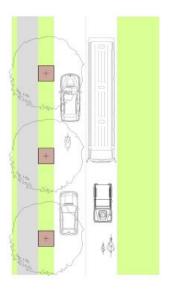


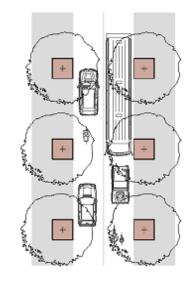




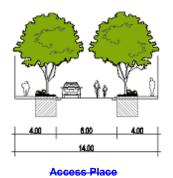
Collector Road

Figure SC6.20N Access place typical cross section







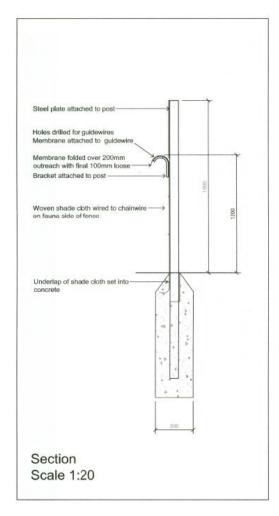


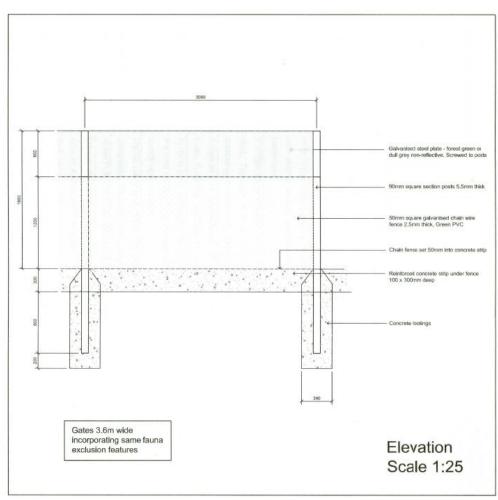
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Standards, guidelines and advice for fauna movement outcomes

- (4) For the purposes of Performance Outcome PO11(b) in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code, the following are the standards identified in the code for the fauna movement outcomes incorporated as part of the road transport infrastructure network:-
 - development provides the fauna fencing in association with the road and public transport corridors in accordance with the specifications in Figure SC6.200-20K (Typical fauna fence design); and
 - (b) development provides for the other fauna movement measures specified in Table SC6.20F 20H (Other fauna movement measures).
- (5) For the purposes of Performance Outcome PO11(b) in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code, the following are guidelines about satisfying the standards in the code for the fauna movement outcomes:-
 - (a) Fauna Sensitive Road Design Volume 1 Past and Existing Practices (Queensland Department of Main Roads, 2000);
 - (b) Fauna Sensitive Road Design Manual Volume 2– Preferred Practices (Queensland Department of Transport and Main Roads, 2010);
 - (c) Fish Passage in Streams Guidelines for Design of Stream Crossings (Queensland Department of Primary Industries and Fisheries, 1998); and
 - (d) Breaking the Barriers Engineering Solutions to Ecological Problems (Symposium) (Environment Institute of Australia and New Zealand, 2009).
- (6) For the purposes of Performance Outcome PO11(b) in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code, the following is advice about satisfying the standards in the code for the fauna movement outcomes:-
 - (a) the design of fauna protection measures should reflect landscape context, site conditions and the species being targeted; and
 - (b) an applicant should consult with the Council to determine the most appropriate measures to be implemented.

Figure SC6.20020K Typical fauna fence design





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Table SC6.20F20H Other fauna movement measures

Measure	Descriptions					
OVERPASS	PERMITS PASSAGE OF ANIMALS ABOVE THE ROAD					
Land Bridge	Also known as a green bridge, eco-duct or wildlife bridge. Typically a 30 metre wide bridge that spans across the road. The bridge has soil over it, and is planted with vegetation and landscaped with habitat features (e.g. logs, rocks, small water bodies etc.).					
Overpass (small	A bridge above a major road, likely to allow human/stock access across the road.					
roads)	Typically of a narrow design and not hour-glass shape. An overpass is commonly a minor road, possibly unsealed or single lane configuration.					
Canopy/Rope Bridge	A rope or pole suspended above traffic, either from vertical poles or roadside trees. Primarily established for arboreal and scansorial species.					
Glider Pole	Vertical poles positioned in the centre median, on the road verge, or traversing the land bridge. They provide species that glide intermediary landing pads and launch opportunities.					
Local Traffic	Traffic calming to reduce the speed or volume of traffic via signage, crosswalks,					
Management	chicanes, road closures etc.					
UNDERPASS	PERMITS PASSAGE OF ANIMALS BELOW THE ROAD					
Culvert	Frequently square, rectangular or semi-circle in shape. Usually pre-cast concrete cells or arches made of steel. They may specifically be built for wildlife passage or stormwater or flood conveyance purposes or a combination of both.					
Tunnel	Also known as eco-pipe. Commonly round pipes of reasonably small diameter (i.e. less than 1.5 metres)					
Bridge	A structure that raises traffic above surrounding land or maintains the grade of the road. Often facilitating water underneath, movement of local traffic or assisting wildlife passage.					
NON-STRUCTURAL MITIGATION	INCORPORATES MORE SENSITIVE ROAD DESIGN THAT ASSISTS 'NATURAL' PERMEABILITY					
Corridor Plantings	Strips of vegetation, comprising of similar species either side of the road. Often crossing the road providing corridor movements for animals.					

SC6.20.7 Public transport infrastructure network outcomes

Preliminary

(1) This section applies to the public transport infrastructure network outcomes in Performance Outcomes PO14 to PO18 in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code.

General advice for public transport infrastructure network outcomes

- (2) The following is general advice about satisfying the public transport infrastructure network outcomes:-
 - (a) the public transport infrastructure network outcomes seek to ensure that the Palmview Master Planned Area is able to be provided with a high quality public transport service connecting major employment, retail, business, education, recreation, sporting, cultural and health facilities;
 - (b) Other Plans Map OPM P9 (Palmview Master Planned Area public transport infrastructure network) in Schedule 2 (Mapping) conceptually identifies the principal elements of the public transport infrastructure network, including the following:-
 - the dedicated transit, bicycle and pedestrian local public transport corridor-(part of the Greenlink);
 - (ii) the local transit, bicycle and pedestrian corridor (part of the Greenlink)
 - (iii) dedicated on-road transit lanes
 - (iv)(ii) local bus loopservicess; and
 - (v)(iii) bus stops and transit stations;

- (c) increasing the proportion of public transport trips both within the Master Planned Area and to locations outside of the Master Planned Area will not only serve to improve the sustainability of the Palmview community but will also contribute to a healthier community:
- (d) public transport services are intended to be bus-based and form part of Translink's Sunshine Coast Network Plan. The higher order road network has been carefully designed to support the efficient circulation of buses and to provide for priority movement along identified key routes;
- (e) there is also a high level of functional integration between the public transport and bicycle and pedestrian infrastructure networks (including end of trip facilities) and it is intended that these networks be developed in unison to support the development of the Master Planned Area as a transit oriented community;
- (f) the requirements for public transport infrastructure are to be complemented with a broader strategy for the provision and use of public transport services and are to deliver a 'seed' program for public transport during the first phases of development has provided for in the applicable infrastructure agreement; and
- (g) the public transport infrastructure network outcomes are primarily intended to be satisfied by the following:-
 - development providing public transport infrastructure in accordance with the applicable infrastructure agreement;
 - (ii) development ensuring that the public transport infrastructure to be provided, -and in particular the local transit, bicycle and pedestrian public transport corridor (part of the Greenlink), is in accordance with the public transport infrastructure network and the standards for the public transport infrastructure network as specified in the Palmview structure plan area code; and
 - (iii) the detailed design and construction of the public transport infrastructure network incorporating appropriate urban design, landscape and environmental features and treatments; and
 - (iv) implementing a Sustainable Transport Plan which:-
 - (A) outlines how the public and active transport outcomes for the Master Planned
 - (B) is to be assessed against the requirements specified in a preliminary approval to which section 242 of the Act applies or another applicable development approval which may include the matters in Table SC6.20H (Compliance Assessment Requirements); and
 - (C) has been approved by a compliance certificate given by the Council

Standards for public transport infrastructure outcomes

- (3) For the purposes of Performance Outcome PO14(b) in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code, the following are the standards identified in the code for the dedicated transit, bicycle and pedestrian corridor (part of Greenlink) and the local transit, bicycle and pedestrian corridor (part of Greenlink) (Greenlink Corridor) incorporated as part of the public transport infrastructure network:-
 - (a) development provides for the Greenlink Corridor to be incorporated into the Trunk Collector Road where they share a common alignment:
 - (b) development provides for the Greenlink Corridor within the Master Planned Area to incorporate the following elements:-
 - (i) a two lane dedicated busway (one lane each way);
 - (ii) a 5.5 metre wide dual use path:
 - (iii) a two (2) metre wide on road cycle lane:
 - (iv) supporting stormwater infrastructure; and
 - (v) underground services and street lighting;
 - (e) development provides for the bus lane component of that part of the Greenlink which is within and appreaches the District Activity Centre to be:-
 - (i) transitioned to a shared zone in accordance with Other Plans Map OPM P9 (Palmview Master Planned Area Public Transport Infrastructure Network) in order to maximise urban design outcomes in the District Activity Centre; and

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- designed such that buses, pedestrians and cyclists receive priority at the point of transition to shared lanes and at intersections;
- (d) development provides for the Greenlink Corridor within the Master Planned Area to comply with the typical cross sections specified in Figure SC6.20P (Greenlink corridor (dedicated alignment) typical cross section) and Figure SC6.20Q (Greenlink corridor (dedicated alignment) greenlink bridge cross section);
- (e) development provides for safe crossing treatments and intersections;
- (f) development provides noise attenuation to sensitive receiving environments;
- (g) development provides for that part of the Greenlink Corridor traversing Sippy Creek to be en elevated structure or otherwise constructed so as to minimise impacts on hydrological regimes and ecological values, and to comply with the typical cross section specified in Figure SC6.20Q (Greenlink corridor (dedicated alignment) greenlink bridge cross section);
- (h) development ensures that the public transport infrastructure is planned, designed and constructed in accordance with the Planning scheme policy for development works and the Public Transport Infrastructure Manual (Translink and DTMR).

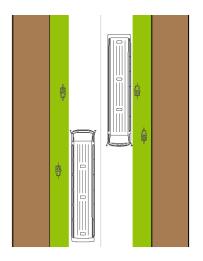
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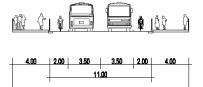
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Figure SC6.20P Greenlink corridor (dedicated alignment) - typical cross section

3.50 meandering path 3.50 meandering 3.50 2.00 Green Link

Figure SC6.20Q Greenlink corridor (dedicated alignment) - greenlink bridge cross section





Green Link Bridge

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SC6.20.8 Bicycle and pedestrian infrastructure network outcomes

Preliminary

(1) This section applies to the bicycle and pedestrian infrastructure network outcomes in Performance Outcomes PO20 PO19 to PO24 PO23 in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code (bicycle and pedestrian infrastructure network outcomes).

General advice for bicycle and pedestrian infrastructure network outcomes

- (2) The following is general advice about satisfying the bicycle and pedestrian infrastructure network outcomes:-
 - the bicycle and pedestrian infrastructure network outcomes seek to create an urban environment that supports and promotes walking and cycling and those using mobility aids, and thereby reduce demand for private vehicle trips;
 - (b) Other Plans Map OPM P10 (Palmview Master planned area bicycle and pedestrian infrastructure network) in Schedule 2 (Mapping) identifies conceptually the higher order elements of the bicycle and pedestrian infrastructure network including transit lanes, on-road dedicated bicycle lanes, on-road shared bicycle/parking lanes, off-road shared pedestrian/bicycle paths and off-road dedicated bicycle paths, bridge structures and timber boardwalks:
 - (c) increasing the proportion of 'active' transport trips will not only serve to improve the sustainability of the Palmview urban community but will also contribute to a healthier community in the long term;
 - (d) the Master Planned Area is well suited to walking and cycling because of its relatively flat topography, its relatively compact urban form and its reasonably high level of access to major facilities such as the University of the Sunshine Coast and the planned-Sunshine Coast University Hospital. There is also a high level of functional integration between the various infrastructure networks for the Palmview Master Planned Area that underpins and takes maximum advantage of these active transport modes;
 - the environmental and landscape context at Palmview also provides excellent opportunities for recreation trails, with easy access to significant planned recreation trails along the Mooloolah River and Sippy Creek, providing opportunities to use these trails as key links within the active transport network;
 - (f) the bicycle and pedestrian infrastructure network is extensive and is intended to be treated as the priority movement network in the Master Planned Area; and
 - (g) the bicycle and pedestrian infrastructure network outcomes are primarily intended to be satisfied by the following:-
 - development providing bicycle and pedestrian infrastructure in accordance with the applicable infrastructure agreement; and
 - (ii) development ensuring that the bicycle and pedestrian infrastructure to be provided is in accordance with the bicycle and pedestrian infrastructure network and the standards for the bicycle and pedestrian infrastructure network as specified in the Palmview structure plan area code, and
 - (iii) implementing a Sustainable Transport Plan which:-
 - (A) outlines how the public and active transport outcomes for the Master Planned Area are
 to be achieved;
 - (B) is to be assessed against the requirements specified in a preliminary approval to which section 242 of the Act applies or another applicable development approval which may include the matters in Table SC6.20H (Compliance assessment requirements); and
 - (C) has been approved by a compliance certificate given by the Council

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Standards and guidelines for bicycle and pedestrian infrastructure network outcomes

- (3) For the purposes of Performance Outcome PO20PO19(b) in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code, the following are the standards identified in the code for the bicycle and pedestrian infrastructure network:-
 - (a) development provides for bicycle and pedestrian infrastructure in road transport infrastructure and public transport infrastructure to be in accordance with the typical road cross sections contained in Section SC6.20.6 (Road transport infrastructure network outcomes.)

 Section SC6.20.7 (Public transport infrastructure network outcomes) and the Planning scheme policy for development workstransport and parking.
 - (b) development provides for appropriate signage and pavement marking (as part of a comprehensive way finding system) for the safe and convenient use of bicycle and pedestrian infrastructure which complies with AustRoads Parts 13 and 14;
 - (c) development provides for bicycle and pedestrian infrastructure that includes tactile indicators in accordance with AS1428.4 Design for Access and Mobility Tactile Indicators; and
 - (d) development provides for bicycle and pedestrian infrastructure which leads to, or joins, an existing or proposed public transport facility (such as a bus stop or transit station) to comply with the Disability Standards for Accessible Public Transport Guidelines 2004.
- (4) For the purposes of Performance Outcome PO20(b) of Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code, the following are guidelines about satisfying the standards in the code for the bicycle and pedestrian infrastructure network:-
 - (a) AS1742.10 Manual of uniform traffic control devices Pedestrian control and protection;
 - (b) Manual of Uniform Traffic Control Devices, (Queensland Department of Transport and Main Reads);
 - (c) ___Traffic and Road Use Management Manual (Queensland Department of Transport and Main Roads);
 - (d) Design Guidelines for Subdivisional Streetworks Queensland Streets:
 - (e) AustRoads Guide to Traffic Engineering Practice Part 13 Podestrians and Part 14 Bicycles;
 - (f) New South Wales Bicycle Guidelines (New South Wales Roads and Traffic Authority):
 - (g) AS2156.1 Walking tracks, Classification and signage;
 - (h) AS2156.2 Walking tracks, Infrastructure design;
 - (i) AS2890.3 Parking facilities Bicycle parking facilities;
 - (j) AS1428 Design for Access and mobility;
 - (k) Disability Standards for Accessible Public Transport Guidelines 2004;
 - (I) Queensland Cycle Strategy 2003; and
 - (m) Easy Steps and Cycle Notes (Queensland Transport),

SC6.20.9 Integrated water cycle management infrastructure network outcomes

Preliminary

This section applies to the water supply infrastructure network outcomes, sewer infrastructure network outcomes and stormwater infrastructure network outcomes in Performance Outcomes PO25 to PO35 in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code (integrated water cycle management infrastructure network outcomes).

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General advice for integrated water cycle management infrastructure network outcomes

- The following is general advice about satisfying the integrated water cycle management infrastructure
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- the integrated water cycle management infrastructure network outcomes seek to ensure that development within the Master Planned Area achieves the following:
 - minimises potable water use;
 - promotes water conservation;
 - optimises opportunities for water re-use;
 - protects water quality and natural environments that may be sensitive to changes in the natural water cycle;
 - protects people, property and the built environment from flooding and stormwater damage; and
 - otherwise exhibits contemporary best practice approaches to integrated water cycle management;
- Other Plans Map OPM P11 (Palmview Master Planned Area water supply infrastructure network) in Schedule 2 (Mapping) identifies conceptually the higher order elements of the
- Other Plans Map OPM P12 (Palmview Master Planned Area sewer infrastructure network) in Schedule 2 (Mapping) identifies conceptually the higher order elements of the sewer infrastructure network planned for the Master Planned Area; and
- the integrated water cycle management infrastructure network outcomes are primarily intended (d) to be satisfied by the following:
 - development providing water supply infrastructure, sewer infrastructure and stormwater infrastructure in accordance with the applicable infrastructure agreement;
 - aiming to achieve an 80% reduction for reticulated water from the SEQ water grid compared with current (2009) average levels of potable water use for the Sunshir Coast:
 - (iii) ementing water recycling and other water saving measures to service the Master Planned Area;
 - ncorporating a comprehensive range of water conservation measures
 - implementing best practice approaches to stormwater treatment and promotion of water sensitive urban design principles;
 - limiting the extent of development for urban purposes to a defined area that has been (vi) determined to be suitable for urban development which is above the defined flood event or has been determined to be suitable to be filled;
 - implementing an Integrated Water Cycle Management Plan which:-(vii)
 - outlines how the integrated water cycle management infrastru outcomes for the Master Planned Area are to be achieved; is to be assessed against the requirements specified in a preliminary approval to
 - (B) which section 242 of the Act applies or another applicable development appre-which may include the matters in Table SC6.20A (Compliance assessment requirements);
 - has been approved by a compliance certificate given by the Council; and nting a Site Based Stormwater Management Plan whi
 - is prepared in accordance with the requirements of the Planning scheme policy for development works and the approved Integrated Water Cycle (A) Management Plan specified in a master plan or development approval; and has been approved by a compliance certificate given by the Council.

Standards for water supply infrastructure network outcomes

- For the purposes of Performance Outcome PO25(b) in Section 10.3.4.21 (Performance outcomes (3) and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code, the following are the standards identified in the code for the water supply infrastructure network:
 - development ensures that the planning, design and construction of water supply infrastructure (a) is in accordance with the following:
 - the Planning scheme policy for development works;

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- the WSAA National Codes (as varied by the Planning scheme policy for development works or this planning scheme policy); and the desired standards of service for water supply infrastructure (Appendix SC6.20B
- (Desired standards of service for water supply and sewerage infrastructure)).
- development ensures that the planning, design and construction of recycled water infrastructure is in accordance with the WSAA Water Supply Code of Australia WSA-2002 (b) Supplement Dual Water Reticulation Systems; and
- development provides for recycled water to be treated to a rating which is fit for purpose in
- However, the Council may approve or require acceptable alternative materials or products to those nominated within the **Planning scheme policy for development works or the WSAA National Codes provided that the materials or products comply with the performance outcomes for the** development of infrastructure and services identified in the Palmview structure plan area code.

Standards for sewer infrastructure network outcomes

- For the purposes of Performance Outcome PO28(b) in Section 10.3.4.21 (Performance Outcomes and Acceptable Outcomes for the Development of Infrastructure and Services) of the Palmview structure plan area code, the following are the standards identified in the code for the sewer
 - development ensures that the planning, design and construction of sewer-infrastructure is in accordance with the following:
 - the Planning scheme policy for development works;
 - the WSAA National Codes (as varied by the Planning scheme policy for development works or this planning scheme policy); and
 - the desired standards of service for sewerage infrastructure (Appendix SC6.20B (Desired standards of service for water supply and sewerage infrastructure)).
 - development provides for any gravity sewer to be designed as a Reduced Infiltration Gravity (b) System (RIGS) that can demonstrate the PWWF will not exceed 4 x ADWF; and
 - development ensures that the planning, design and construction of recycled water infrastructure is in accordance with the WSAA Water Supply Code of Australia WSA-2002 Supplement Dual Water Reticulation System
- However, the Council may approve or require acceptable alternative materials or products to those nominated within the Planning scheme policy for development works or the WSAA National Codes provided that the materials or products comply with the performance outcomes for the development of ucture and services identified in the Palmview structure plan area code.

Standards for stormwater infrastructure network outcomes

- For the purposes of Performance Outcome PO31(k) in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code, the standards for the planning, design and construction of the stormwater infrastructure network are the following:-
 - SEQ Regional Plan Implementation Guideline No. 7 Water sensitive urban design: Design
 - Queensland Urban Drainage Manual (QUDM) (as varied by the Planning scheme policy for development works or this planning scheme policy);
 - Healthy Waterways Partnership Water Sensitive Urban Design Technical Design Guidelines for South East Queensland; and
 - Section SC6.14.3 (Stormwater Management) of the Planning scheme policy for development works.
- nominated within the Planning scheme policy for development works, the QUDM or the Healthy
 Waterways Partnership Water Sensitive Urban Design Technical Design Guidelines provided that the

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materials or products comply with the performance outcomes for the development of infrastructure and services identified in the Palmview structure plan area code.

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SC6.20.10SC6.20.9 Urban open space infrastructure network outcomes

Preliminary

(1) This section applies to the urban open space infrastructure network outcomes in Performance Outcomes PO36 PO2931 to PO44 PO3739 in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code (urban open space infrastructure network outcomes).

General Advice for Urban Open Space Infrastructure Network Outcomes

- (2) The following is general advice about satisfying the urban open space infrastructure network outcomes:-
 - the urban open space outcomes seek to ensure that the Master Planned Area is provided with an appropriate range of local, district and regional urban open space areas;
 - (b) urban open space plays an important role in supporting the development of social capital and creating a healthy community and is particularly important in new and emerging communities in terms of strengthening social interaction and encouraging a sense of place, providing for recreation activities and contributing to the amenity of their urban form;
 - the urban open space outcomes also seek to ensure the establishment of a legible, accessible, connected open space network while creating public open spaces that respond to each individual neighbourhood;
 - (d) Other Plans Map OPM P13 P11 (Palmview master planned area urban open space infrastructure network) in Schedule 2 (Mapping) identifies conceptually the higher order elements of the urban open space infrastructure network planned for the Palmview structure plan area code;
 - (e) local recreation park components of the urban open space infrastructure network are intended to be located so as to ensure all residents and workers of the Master Planned Area are within 500 metre walking distance of a local recreation park; and
 - (f) the urban open space infrastructure network outcomes are primarily intended to be satisfied by the following:-
 - development providing the urban open space infrastructure in accordance with the applicable infrastructure agreement; and
 - ensuring that detailed design and construction of urban open space has regard to the following:-

(ii)

- functional characteristics, user needs (social and recreational), lifecycle costs and incorporates high quality urban and landscape design which complies with CPTED principles; and
- (B) the standards identified for the non-urban open space infrastructure network in Appendix SC6.20A (Palmview Master Planned Area ecological and landscape protection and rehabilitation plan).

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Standards for the urban open space infrastructure network outcomes

- (3) For the purposes of Performance Outcome PO36PO31(b) in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code, the following are the standards identified in the code for the urban open space infrastructure network:-
 - development provides for land for urban open space to be provided in one contiguous parcel which is regular in shape and fit-for-purpose;

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- (b) development provides for land for urban open space to be provided to the Council in freehold tenure:
- (c) development ensures that urban open space achieves the following levels of flood immunity:-
 - regional recreation parks have at least 20% of the total area above the 100 year ARI climate change scenario (defined flood event) and the remaining area above the 20yr ARI climate change scenario;
 - (ii) district sport and recreation parks have at least 20% of the total area above the 100 year ARI climate change scenario (defined flood event), with the remaining area above the 20 year ARI climate change scenario; and
- (iii)(c) local recreation parks are located entirely above the 100 year ARI climate change scenario (defined flood event) is above the Q20 flood levels.
- (d) development ensures that urban open space is free of hazards and constraints, including the following:-
 - (i) land listed on the Contaminated Land Register or Environmental Management Register;
 - (ii) land known or suspected as being contaminated;
 - (ii)(iii) land required for buffer or esplanade;
 - (iii)(iv) land required for or contains an above ground utility installation such as a sewerage pump station, transformer or under high voltage power lines or lies within 50 metres of the line an easement;
 - Iand constrained by easements required as an easement over sewerage/water lines or other underground utilities or services;
 - (vi) land required principally for drainage purposes;
 - (iv)(vii) land is required for stormwater treatment or detention;
 - (viii) land within a road reserve or subject to future proposed transport corridors; and
 - (vi) other infrastructure such as pump stations, sub-stations and the like.
- development ensures that local, and district and regional level urban open space has direct access from a public road along one side for at least 2550% of its perimeter; and
- (f) development ensures that urban open space infrastructure is provided in accordance with the desired standards of service as stated in the following:-
 - (i) __Table SC6.20l (Provision of urban open space infrastructure network) which states
 the provision rate of the urban open space infrastructure network; and
 - (ii) Table SC6.20J (Urban open space infrastructure network attributes) which states the attributes of the urban open space infrastructure network).

Table SC6.20I Provision of urban open space infrastructure network

Park t	ype	Park characteristics		Park catchment	
Category					<u>Park</u>
					provision
Recreation	Local	<u>1 ha</u>	<u>50m</u>	500m (within 5 min. walk)	1 ha per
parks					1,000 people
	District	<u>5 ha</u>	<u>50m</u>	5 km (within 30 min. walk, 20 min.	1.3 ha per
				cycle and 10 min. drive)	1,000 people
	Regional	20 ha	<u>100m</u>	30 km (public transport routes and	0.7 ha per
				cycleway and within 30 min. drive)	1,000 people
Sports parks	District	<u>10 ha</u>	<u>150m</u>	10 km (30min. cycle, 10 min. drive)	1.5 ha per ◆
					1,000 people

Table SC6.20J Urban open space infrastructure network attributes

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setting, land area can be increased to accommodate these facilities

- Minimum width 50m
- Regular shape

Access and location

- A short 5-10 minute walk or less than 500 metres from most residences
- At least two sides or approximately 50% of perimeter to have road frontage.
- Key use areas meet disability access requirements.

Linkages

- Linked by quality recreation trail network or a pedestrian and bicycle network.
- Pathways networks located within open space not to conflict with primary park use

Landscape and character

- Character reflective of local identity and heritage values/space.
- Retain existing trees at strategic locations. Plant new trees to contribute to broader amenity of the area.
- Where a park has been located to provide views, key viewpoints need to be protected.

- Planting style allowing for kick about cleared area.
- Protect and sustain ecologically important areas/ support local biodiversity consistent with primary function.

Safety and security

- The use of Crime Prevention through Environmental Design (CPTED) principles relevant to level of risk and nature of setting
- Play spaces are located in safe areas (good surveillance).
- Safe access for pedestrians lighting.
- Emergency vehicle access.

User benefits

Open grassed area for passive recreation with shaded spaces for social interaction and provide visual amenity for external users.

Flood immunity

- above Q20 (defined WSUD/flood event).
- Buildings are to be above Q100.
- Kick about and social spaces are well drained.

Activities:

- Land use
- Community Hubs
- To meet the DSS of Social Infrastructure Strategy

Primarily used by the community for informal recreation, social, cultural and leisure activities. Located in a community hub. A location for events, celebrations and community gatherings of a civic/ community nature.

Size and topography

- Minimum of 3 ha
- Minimum width 100m

Access and location

- At least one side or approximately 50% of perimeter to have road frontage.
- Key use areas meet disability access
- Co-located with retail/commercial spaces, community facilities, and/or schools to help activate the locality.

Linkages

- Linked to quality recreation trail network or a pedestrian and bicycle network.
- Central to key civic and community facilities.

Landscape and character

Character reflective of local identity and heritage values/space. Designed and managed to support community and social adjoin activities.

Safety and security

- The use of Crime Prevention through Environmental Design (CPTED) principles relevant to level of risk
- Safe access
- Emergency vehicle access.

User benefits

Community meeting spaces for social, cultural and leisure activities and which may provide for other complementary values (eg. Landscape amenity). Civic meeting and gathering space.

Flood immunity

- Land to be above Q20 (defined flood event).
- Buildings are to be above Q100.
- Grassed spaces are well drained.

Activities

- Provision of space for civic events/celebration
- Skate/youth facility
- Diverse range of recreational and social spaces.
- Space for cultural and community events

Description

Primarily used by the community for recreation, social, cultural and leisure activities and may provide for other complementary values (e.g. landscape amenity or biodiversity conservation). District recreation parks provide more diverse opportunities for recreation experiences and may support nature- based recreational experiences.

Size and topography

- 5 ha.
- Where the topography is such that additional land is required to achieve the required facilities and setting, land area can be increased to

Natural assets (vegetation)

- 'Bushland' planting style while allowing for kick about cleared area, play spaces, event spaces and community garden areas.
 - Planting to provide diversity of layers and qualities for

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accommodate these facilities.

Minimum width 50m.

Access and location

- 5 km from most residences.
- Generally located in urban areas or areas of special interest and may adjoin other community facilities.
- On or close to a distributor or arterial road and within walking distance to regular public transport.

 At least one side or approximately 50% of
- At least one side or approximately 50% of perimeter to have road frontage.
- Provision of off street car parking

Linkages

- Located on a recreation trail or on a pedestrian and bicycle network.
- May provide a trail head for urban and non-urban trails.
- Pathways networks located within open space not to conflict with primary park uses.

Landscape and character

- Character reflective of local identity and heritage values.
- Retain existing trees at strategic location and planting new trees to contribute to broader amenity of the area.
- Kick about spaces to be retained for passive recreation opportunities and spaces to accommodate events.
- Consider use of durable materials and more permanent features (e.g. walls).
- Where a park has been located to provide views, key viewpoints need to be identified and planted with lower vegetation where replanting occurs.

wildlife needs – food sources connection, protection and breeding.

 Protect and sustain ecologically important areas/ support local biodiversity consistent with primary function.

Safety and security

- The use of Crime Prevention through Environmental <u>Design (CPTED) principles relevant to level of risk and nature of setting.</u>
- Play spaces are located in safe areas.
- Emergency vehicle access
- Pedestrian pathways to be lit

User benefits

District recreation parks provide a more diverse range of passive, social, cultural and recreational experiences through supporting land and infrastructure.

Flood immunity

- Land (minimum of 70%) to be above Q20 (defined flood event).
- Buildings are to be above Q100.
- Kick about and social spaces are well drained.
- WSUD

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Recreation park – regional

Description

Primarily used by the community for informal recreation, social, cultural and leisure activities and which may provide for other complementary values (e.g. landscape amenity or conservation). Sunshine Coast wide recreation parks provide a wider range of experiences and opportunities that encourage longer stays for a diverse range of users.

Botanic Gardens are contained in this category.

Size and topography

- 20 ha.
- Minimum width 100m.

Access and location

- In urban areas <30 km most residences.
- On or close to arterial road with regular public transport to the site.
- At least two sides or approximately 50% of perimeter to have road frontage.
- Provision of dispersed onsite car parking essential to reduce visual impact.
- Located on a recreation trail

<u>Linkages</u>

- Located on a recreation trail or on a pedestrian and bicycle network.
- Provides a trail head for urban and non-urban trails.
- Pathway networks located within open space not to conflict with primary park uses.
- Pedestrian pathways link activity areas

andscape and character

Natural assets (vegetation)

- "Bushland' planting style while allowing for kick about cleared area.
- Planting to provide diversity of layers and qualities for wildlife needs – food sources connection, protection and breeding.
- Protect and sustain ecologically important areas/ support local biodiversity consistent with primary function.

Safety and security

- The use of Crime Prevention through Environmental Design (CPTED) principles relevant to level of risk and nature of setting.
- Play spaces are located in safe areas.
- Emergency vehicle access.
- Safe light areas for night time use and pedestrian linkage

User benefits

Provides for a large range of outdoor and passive recreational experiences including play spaces, open space and informal kick about area, landscape and amenity and provides BBQ, shelters and major gathering spaces and opportunities for festivals and celebration.

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- Character reflective of local identity and heritage
- Retain existing trees at strategic locations and plant new trees to contribute to broader amenity of
- Larger open spaces (e.g. kick about space) to be retained for passive recreation and social opportunities (e.g. major events).
- Consider use of durable ials and more permanent features (e.g. walls).
- Where a park has been located to provide views, key viewpoints need to be identified and planted with lower vegetation where replanting occurs.

Flood immunity

- Land to be above Q20 (defined flood event).
- Buildings are to be above Q100.
 - Kick about and social spaces are well drained.

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Description

Recreation trails are provided for the primary purpose of recreational activities such as walking, horse riding and mountain biking. Recreation trails often traverse through a range of land tenures. These places have a different intent to the pedestrian and bicycle networks co-located with roads infrastructure, which exist primarily to expedite modes of movement.

Size and topography

- 12 m wide corridor incorporating a 1.5-3 m wide pathway.
- A variety of distances and circuits to be provided.
- Natural contours are to be followed to ensure even trail grades.
- Ensure local drainage is maintained along water courses.
- Poorly drained areas and areas with high erosion to be avoided.

Access and location

- Trails to connect to recreation parks, sports grounds, and traverse drainage reserves. appropriate environment reserves, Conservation/national parks to activate the open space network and create a sense of connection to and immersion in open space.
- Trails to be located close to edges of parks to reduce impacts on park users.
- Trail location to give consideration to the user and service vehicle access requirements for maintenance.

Provision

Consider access for residents to be <500 m from a recreation trail.

Trails are linked to community hubs (cafes, community facilities) parks, reserves and sports grounds, active transport networks and the nonurban trail networks.

Landscape and character

- Where space allows, without compromising the lands core function, the trail gently meanders to take advantage of natural and constructed features and provide an element of discovery.
- Desirable for 60 % of trail to have access to shade from vegetation.
- Trails are to be interesting and routed through different vegetation and landform.
- Where determined, environmental and cultural features are outlined in interpretive information.
- Recycled/sustainable construction materials preferred. Where not possible materials that are durable or can be reused are required.

Natural assets (vegetation)

- Taller trees for shading.
- Planting to provide diversity of layers and qualities for wildlife needs - food sources connection, protection and breeding.
- Trails constructed to so as not to impact on existing trees and reduce need for constant pruning
- Porous materials to be considered in suitable areas to improve water penetration and reduce sheet flow.

Safety and security

- The use of Crime Prevention through Environmental Design (CPTED) principles relevant to level of risk and nature of setting.
- Trails are located a minimum of 5 m from the constructed road.
- Safety signage and fencing where necessary.

At planning stage determine what users (e.g. walking, cycling and equestrian) and level of accessibility.

Flood immunity

The provision of appropriate drainage must be considered in the trail planning, design and construction

Facilities for formal sporting and active recreation activities including ovals, courts and circuits. They may also provide local recreation park facilities outside of formal sporting hours as well as recreation facilities for families attending sporting events. Contribute to amenity and local biodiversity by appropriate vegetation planting on boundaries

Size and topography

- 10 ha. A number of sports may co-locate or adjoin district recreation parks creating a larger open space.
- Principally a flat site with 5 % gradient or less.
- Minimum width 150m.

Access and location

- In urban areas <10 km.
- Close to a collector road with on-site car parking provided.
- At least two sides or approximately 50 % of perimeter to have road frontage.
- In higher density areas co-locate with community infrastructure where possible.
- Located on public transport routes and stops.

Linkages

- Located on a recreation trail or on a pedestrian and bicycle network.
- Connected to residential and school/community facilities

Landscape and character

- Designed to reduce impact of flood lighting on adjacent areas.
- Use of appropriate design and management principles (e.g. on-site water storage and treatment) to reduce nutrient flow and weed invasion from the site.
- Designed to positively contribute to the amenity of surrounding areas.
- Shade trees dividing fields, shaded car parking.

Natural assets (vegetation)

Boundary area and corners of site substantially planted with locally native tree/shrub species.

Safety and security

- The use of Crime Prevention through Environmental <u>Design (CPTED) principles relevant to level of risk and nature of setting.</u>
- Play spaces are located in safe areas.
- Emergency vehicle access.
- Perimeter fencing for safety of users

User benefits

- District sports grounds provide community access to a variety of active formal sporting, cultural and recreation facilities.
- Multi use and multi-function configuration preferred

Flood immunity

- Buildings and fenced areas above Q100.
- Playing fields above Q20.
- Wetland treatment areas above Q10.
- Playing surfaces are well drained.

Activities

 Assessment of existing facilities within the district to inform preferred layout

(e)

(f) development ensures that regional urban open space has direct access from a public road along one side for at least 50% of its perimeter.

Standards for embellishments associated with urban open space infrastructure network

(4) For the purposes of Performance Outcome PO40PO2931(ab) in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code, the standards identified in the code for the desired level of embellishments for each type of urban open space area are specified in Table SC6.20G 20K(Embellishment standards for urban open space infrastructure).

Table SC6.20G20K Embellishment standards for urban open space infrastructure

Earthworks (grading, levelling and grassing)	<u>×</u>	×	×	×	×
Weed free	×	×.	×.	×.	×
Tree planting	×	✓ .	✓	×.	×
Signage (name / info)	×	×	×.	×	\angle
Interpretive signage		<u> </u>	×		\checkmark
Road access (external)		<u> </u>	×	×	×
Vehicle access / road (internal / fire		✓ .	×.	×.	×
management)					
Vehicle access (emergency vehicles)	<u> </u>	×	×	×	×
Public art			×		\checkmark
Car parking (on-site) - (10 formal spaces per		\checkmark	×	×.	
ha plus additional on-street parking)					
Vehicle barriers/ bollards	×	<u> </u>	<u> </u>	×	$\stackrel{\checkmark}{\sim}$
Bicycle racks	<u> </u>	×	\checkmark	<u> </u>	×

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Embellishments	Local	District	Regional	District	Town ◆
					park
Footpath / bikeway (internal)		×	∠	×	\angle
Footpath / bikeway (external linkage)		×	∠ .	×	×.
Flat, well drained play area	∠ .	✓ ,	√ .	×	✓ .
Shade structures / shade sails	∠ .	✓ ,	√ .	×	×.
Bench seating – 3 seats per ha	×	×	×.	×	×
Picnic table / shelters	×	×	× .	×	×.
<u>Barbecues</u>		×	×		
		(max 2	(max 4		
Drinking fountains	<u>×</u>	double BBQs)	double BBQs)	<u>×</u>	<u> </u>
Toilet block - 8 stall unisex (including	<u>*</u>	✓ (1 block)	✓ (2 blocks)	√ .(1	<i>√</i> ,(1
disabled)		(T DIOCK)	V (2 DIOCKS)	block	block)
				with change	
				rooms)	
Skate park			,	,	×
Play space / youth / fitness equipment with	<u>~</u>	<u> </u>	<u> </u>	×	×
softfall and shade over equipment areas			,		
Lighting / security lighting pathways	<u> </u>	×	<u> </u>	×	×
Plaza – hard stand area					×
Sports field lighting and 3 phase power				×	×
Fenced dog park		<u> </u>	<u> </u>		
<u>Landscaping / gardens</u>	×	×	<u> </u>	×	×
Multi-purpose fields				×	
Multi-purpose courts				×	
Storage sheds				×	
Clubhouse / change rooms				×	
Kiosk				×	✓,
Spectator seating				×	
Bus set down			\checkmark	\checkmark	✓,
Rubbish bins	\angle	\checkmark	\checkmark	×	<u>∠</u> ,
<u>Drainage</u>	×	<u> </u>	<u> </u>	×	×
<u>Fencing</u>	×	<u> </u>	×	×	
<u>Design</u>	×	×	<u> </u>	×	×.
Suitable building sites		<u> </u>	<u> </u>	∠	
Serviced site with water, sewer, stormwater	×	×	×.	×	×.
and electricity					

Note—the cost estimates are to be indexed in accordance with an index applicable to the cost estimate as determined by the Council.

<u>Guidelines for minimising ongoing lifecycle and management costs of the urban open space infrastructure network</u>

- (5) For the purposes of Performance Outcome PO44-PO379 in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code, the following are guidelines about satisfying the standards in the code for the minimising ongoing lifecycle and management costs of the urban open space infrastructure network:-
 - development provides for the use of landscape features such as mounding and stone walls rather than the provision of generic play equipment in the urban open space infrastructure network;
 - (b) development provides for the use of native endemic species in landscaping and the reduction of areas of manicured lawns in the urban open space infrastructure network;
 - development provides for the inclusion of solar lighting in the urban open space infrastructure network; and
 - (d) development provides for the use of recycled water in the urban open space infrastructure network.

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SC6.20.11SC6.20.10 Community facilities infrastructure network

Preliminary

This section applies to the community facilities infrastructure network outcomes in Performance PO435 to PO52-PO4547 in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code.

General advice for community facilities infrastructure network outcomes

- The following is general advice about satisfying the community facilities infrastructure network outcomes:
 - the community facilities infrastructure network outcomes seek to ensure that the Master (a) Planned Area is provided with an appropriate range of community facilities;
 - community facilities and services, and access to those, play an important role in supporting the (b) development of social capital and are particularly important in new and emerging communities that need to establish local connections and a sense of place;
 - Other Plans Map OPM P15 P13 (Palmview Master Planned Area community facilities (c) infrastructure network) of the Palmview Structure Plan identifies conceptually the higher order elements of the community facilities infrastructure network planned for the Master Planned Area:
 - the community facilities infrastructure outcomes are primarily intended to be satisfied by:-(d)
 - development providing community facilities -infrastructure in accordance with the applicable infrastructure agreement and Table SC 6.20L (Attributes of community facilities infrastructure); and
 - (ii) ensuring that the detailed design and construction of community facilities has regard to functional characteristics, user needs, whole of lifecycle costs and incorporates high quality urban and landscape design; and
 - developers are encouraged to complement requirements for community facilities infrastructure with a broader strategy for developing social capital and work in partnership with the Council to deliver a tailored community development program.

Table SC6.20L Attributes of community facilities infrastructure

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Description		Background 1	
General community use facility providing meeting spaces facility facility facility facility facility facility facility facility facility facil	for social, educational and recreational activities, health/ support		Formatted: Space After: 0 pt
Size	Safety and security		Formatted Table
• 1 ha land • 1.500m² GFA	Crime Prevention through Environmental Design (CPTED) principles address access, site and building design		Formatted: Font: 8 pt
1,500III OF A	Setting, site and building design maximises casual		Formatted: Space After: 0 pt
Access and location	surveillance.	/	Formatted: Font: 8 pt
At least one side or approximately 25% of perimeter to have road frontage.	Emergency vehicle access.	\	Formatted: Space After: 0 pt
 Access, site and buildings meet disability access 	<u>User benefits</u>		
requirements.	 Multi-function, flexible spaces that responds to the diverse 		
	l		

Co-located with retail/commercial spaces, other

- and changing needs of the community and encourages participation, creativity, healthy lifestyles and community wellbeing.
- Encourages community networks and activity, pride and ownership

Linked to public transport and pedestrian/ bicycle Flood immunity

networks. Buildings are to be above Q100.

Landscape and character

gathering space.

Location and design responds to the surrounding

community facilities, open space and/or schools to

help activate the locality and create a vibrant civic

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 Where a facility has been located to provide views, key viewpoints need to be protected.

Community Facilities - Local/meeting space

Description

General community use facility providing meeting spaces for social, educational and recreational activities, health/ support

Size

- 3.000m² land
- 300-800m² GFA

Access and location

- At least one side or approximately 25% of perimeter to have road frontage.
- Access, site and buildings meet disability access requirements.
- Co-located with retail/commercial spaces, other community facilities, open space and/or schools to help activate the locality and create a vibrant civic gathering space.

Linkages

Linked to public transport and pedestrian/ bicycle networks.

Landscape and character

- Location and design responds to the surrounding natural and built environment and respect and celebrate local identity, character and heritage.
- Where a facility has been located to provide views, key viewpoints need to be protected.

Safety and security

- Crime Prevention through Environmental Design (CPTED) principles address access, site and building design
- Setting, site and building design maximises casual surveillance.
- Emergency vehicle access.

User benefits

- Multi-function, flexible spaces that responds to the diverse and changing needs of the community and encourages participation, creativity, healthy lifestyles and community wellbeing.
- Encourages community networks and activity, pride and ownership

Flood immunity

Buildings are to be above Q100.

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Aquatic Facility - District (minor

Description

An aquatic centre consisting of lap swimming, water play and other ancillary infrastructure to cater for the district

Size and topograph

Minimum 10,000 m² usable unconstrained area which includes:

- requirements for car parking
- emergency vehicle access
- pedestrian pathways within the complex
- equitable access designs
- Landscape buffers
- space for sustainable initiatives i.e. solar, backwash water recycling.
- Waterspace approx. 500m2

Access and location

 Co-location with compatible uses such as other community infrastructure such as libraries, youth spaces, neighbourhood centres, active recreation facilities, skate parks, business centres, schools and shopping centres.

<u>Linkages</u>

 Linked to public transport and pedestrian/ bicycle networks.

Amenity impact

 Aquatic facilities can create a level of noise that could be considered excessive in relation to adjoining sensitive land uses. Consideration need

Safety and security

 Crime Prevention through Environmental Design (CPTED) principles address access, site and building design

Emergency vehicle access.

User benefits

 Facility caters for a wide range of compatible experiences and uses and contributes to a physically active and healthy community

Flood immunity

Site is above Q100

to be given to the land uses sharing a boundary with a potential site and if the facility is likely to cause impacts that will not be able to be mitigated. Landscape and character Location and design responds to the surrounding natural and built environment and respects local identity, character and heritage. Description Facilities for skate, bicycle and youth activity to cater for a range of skill and levels to encourage physical activities and social engagement. May include a variety of element s- plaza, bowl, half pipe and street. Safety and security Size 500-1.000m² active space The use of CPPTEP principles Located within the Town park Emergency access to the site Well designed facility **Access and location** Safe access to public toilets, seating and shade On or close to a distributor or arterial road within walking distance to regular public transport Flood immunity Site to be above Q20 and well drained Linked to a pedestrian and cycle network Co-located with compatible community purposes/facilities **Amenity impact** At least 2 sides – 50% road frontage Excessive noise levels require compatible adjoining land High level of visual surveillance (24 hours) uses At least 80m from residential land **User benefit** Character and identity of park to be considered Variety of challenge and skill levels provided for

SC6.20.12 SC6.20.11 Energy infrastructure network outcomes

Preliminary

(1) This section applies to the energy infrastructure network outcomes in Performance Outcomes PO53
PO468 to PO55 PO479 in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code;

General advice for energy infrastructure network outcomes

An activity vibrant, physically and healthy

- (2) The following is general advice about satisfying the energy infrastructure network outcomes:-
 - (a) the energy infrastructure outcomes of the Palmview structure plan area code seek to ensure that the Master Planned Area is provided with reliable sources of energy and that opportunities for sustainable energy generation are incorporated into new development so as to reduce reliance on the predominantly coal fired power grid;
 - it is anticipated that an emphasis on energy conservation and the use of alternative sources of energy will result in the Master Planned Area achieving a significant reduction in carbon emissions compared with the efficiency of urban development in 2009;
 - (c) Other Plans Map OPM P16-P14 (Palmview Master Planned Area electricity infrastructure network) in Schedule 2 (Mapping) identifies conceptually the higher order elements of the electricity infrastructure network for the Master Planned Area;
 - (d)—the energy infrastructure network outcomes are primarily intended to be satisfied by:-
 - development providing electricity infrastructure in accordance with an applicable infrastructure agreement and the requirements of the relevant Electricity Supply Authority; and

ii) implementing an Energy Management Plan which:-

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- outlines how the energy generation outcomes, and in particular the requirement for sustainable energy generation and use, are to be achieved for the Master Planned Area:
- is to be assessed against the requirements specified in a preliminary approval to which section 242 of the Act applies or another applicable development approval include the matters in Table SC6.20H (Compliance assessment requirements); and
- has been approved by a compliance certificate given by the Council;
- (e) additional advice regarding the implementation of design measures to minimise energy use in new development is specified in Section SC6.20.4 (Sub-tropical and sustainable design outcomes): and
- additional advice regarding the provision of gas services to the Master Planned Area is specified in Section SC6.20.14 (Other services outcomes).

SC6.20.13 Telecommunications infrastructure network outcomes

Preliminary

This section applies to the telecommunication infrastructure network outcomes in Performance Outcomes PO56 and PO57 in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan

General advice for telecommunication infrastructure network outcomes

- The following is general advice about satisfying the teleco nunications infrastructure network outcomes:
 - the telecommunication infrastructure outcomes of the Palmview structure plan area code (a) seek to ensure that the Master Planned Area is provided with a world class telecommunications network that allows businesses to compete on a global residents to be connected to global networks;
 - world class telecommunications capability is achieved through the provision of affordable, high bandwidth telecommunication services;
 - high bandwidth is best deployed using optic fibre infrastructure;
 - Other Plans Map OPM P17 (Palmview Master Planned Area telecommunications infrastructure network) in Schedule 2 (Mapping) identifies conceptually the higher order elements of the telecommunications infrastructure network planned for the Master Planned
 - the telecommunication infrastructure network outcomes are primarily intended to be satisfied by the following:
 - development providing telecommunications infrastructure in accordance with an (i) applicable infrastructure agreement; and
 - development ensuring that the telecommunications infrastructure to be provided is in accordance with the telecommunications infrastructure network and the standards for the telecommunications infrastructure network as specified in the Palmview structure plan area code.
 - development provides for 'Fibre to the Premises (FttP)' to be provided throughout the Master Planned Area which facilitates the provision of the following telecommunications capabilities to
 - optical fibre termination;
 - free to air television;

 - voice, data and video access via the internet; and internet protocol systems integration;

- (g) developers are encouraged to investigate opportunities for wholesale providers of cable services and sewerage network operators to co-locate services within the gravity sewer network; and
- (h) additional information and documentation of relevant telecommunications infrastructure specifications and building arrangements can be obtained from the Council and the relevant Telecommunications Service Authority.

SC6.20.14 Other services outcomes

Preliminary

(1) This section applies to the other services infrastructure outcome in Performance Outcome PO58 and PO59 in Section 10.3.4.21 (Performance outcomes and acceptable outcomes for the development of infrastructure and services) of the Palmview structure plan area code.

General advice for other services outcomes

- (2) The following is general advice about satisfying the other services outcomes:-
 - (a) the other services outcome of the Palmview structure plan area code seeks to ensure that in addition to the infrastructure specified on the Structure Plan Maps, other services are provided to service development in the Master Planned Area;
 - (b) in particular, the provision of gas for water heating is considered an important local service and a key component of a strategy for reducing the carbon emissions generated from new urban development;
 - (e) gas is currently only available to the Sunshine Coast Region through bottles and tanker refilling, or by exchange gas bottles. This supply method is inefficient and costly to operate and administer on a site by site basis; and
 - (d) as a major new urban growth area, it would be desirable for the Master Planned Area to be connected to a reticulated gas service. However, it is recognised that interim supply arrangements may need to be put in place to supply gas to the reticulated network until such time as gas pipeline to service the Sunshine Coast (the North Coast Pipeline) is constructed.

SC6.20.15SC6.20.12 Information requirements

- (1) Table SC6.29H-20M (Compliance assessment requirements) specifies the documents which a preliminary approval to which section 242 of the Act applies or another applicable development approval may require to be prepared and submitted for compliance assessment by the Council.
- (2) Table SC6.20H-20M (Compliance assessment requirements) also specifies the anticipated timing of compliance assessment.
- (3) The Council may also require other supporting information in addition to that specified in **Table SC6.20H-20M (Compliance assessment requirements)** depending on the nature of the preliminary approval to which section 242 of the Act applies or another applicable development application and the technical issues involved.
- (4) Supporting information and compliance assessment documents should be prepared by a competent person with a disciplinary background relevant to the area of interest.

Schedule 6

Column 1 Description of the compliance assessment document	Column 2 Anticipated timing of compliance assessment	Column 2 Purpose of document	Column 3 Matters against which the document is to be assessed
Local Ecological and Landscape Protection and Rehabilitation Plan	Subsequent to the approval of a preliminary approval to which section 242 of the Act applies and prior to the lodgement of another applicable development application.	To demonstrate that development in the applicable area will provide for the protection and rehabilitation of ecologically important areas and landscape protection areas in accordance with the provisions of the Palmview Structure Plan, this planning scheme policy and Appendix SC6.20A (Palmview Master Planned Area ecological protection and rehabilitation plan).	Refer to Section 10 (Requirements for Local Ecological and Landscape Protection and Rehabilitation Plans) in Appendix SC6.20A (Palmview Master Planned Area Ecological and Landscape Protection and Rehabilitation Plan)
Biodiversity Offset Plan	Subsequent to the approval of a preliminary approval to which section 242 of the Act applies and prior to the lodgement of another applicable development application.	To demonstrate how that the adverse impacts on ecologically important areas associated with providing infrastructure for the Master Planned Area are to be offset.	Project and site description Provide a detailed description of the project including project proponent, proposed works schedule, including any temporary works, and timing. Identify the potential environmental impacts of the project, including any temporary impacts, including impacts arising from vegetation clearing, changes in hydrology, destruction of habitat, impacts on fauna connectivity and movement. Identify proposed mitigation measures to minimise the environmental impacts of the project. Clearly identify the area the subject of the Biodiversity Offset Plan and calculate the total land area affected by the project. Provide a description of the land affected by the project in terms of existing and potential environmental values, including but not limited to existing and potential values identified in the Palmview Structure Plan and/or the Palmview Master Planned Area Ecological and Landscape Protection Plan, in relation to vegetation communities, fauna, rehabilitation potential and habitat and faunal corridors.

Column 1	Column 2	Column 2	Column 3
Description of the	Anticipated timing of	Purpose of document	Matters against which the document is to be assessed
compliance assessment	compliance assessment		
document			
			Environmental offsets proposal
			Provide a detailed description of the proposed environmental offset
			package including a description of the proposed offset area, rationale for
			choosing environmental offsets, proposed timing and staging.
			 Describe how the environmental offset package meets the principles and
			requirements for environmental offsets detailed in this policy, in particular
			the requirement to achieve a 'net environmental benefit'.
			Justify the selection of the proposed environmental offset site in terms of
			achieving "like for like or better" with respect to environmental values,
			vegetation, habitat, species, ecosystem, landscape, hydrology and
			physical area compared to the impact area.
			Outline the relationship between the proposed offset area and the Master
			Planned Area.
			Outline any proposed rehabilitation works to be undertaken as part of the
			proposal.
			 Identify the specific roles and responsibilities of all entities involved in the
			implementation of the Biodiversity Offset Plan.
			 Outline proposed short and long term tenure arrangements and
			demonstrate how long term security of tenure will be achieved under the
			Environmental Offset Plan.
			Ongoing maintenance
			Provide details of the ongoing management and maintenance measures
			to be adopted as part of the Biodiversity Offset Plan. Ongoing
			maintenance measures are to address such issues as signage, fencing,
			access arrangements, site clean-up and waste removal, fire management, pest control, fauna management, replanting failure, erosion repair and
			watering.
			 Identify any potential risks to the long term viability of the environmental
			offset site such as bushfire and drought and how these risks are proposed
			to be addressed.
			Monitoring and reporting
			Specify the indicators for monitoring the success of the environmental
			offset consistent with the objectives of this policy.
			Identify how monitoring is to be reported to Council and the remedial
			action to be taken where failures are identified.
			Additional requirements and conditions
			A financial bond may be required by Council as assurance for proposed

Column 1	Column 2	Column 2	Column 3
Description of the	Anticipated timing of	Purpose of document	Matters against which the document is to be assessed
compliance assessment	compliance assessment		
document			
			offset activities.
Energy Management Plan	Subsequent to the	To demonstrate that	Scope and objectives
	approval of a preliminary	development in the	Determine the scope of the Energy Management Plan and identify
	approval to which section	applicable area will	inclusions/exclusions in specific terms.
	242 of the Act applies and	contribute to the	Identify clear and measurable objectives for how development in the
	prior to the lodgement of	achievement of a target of	applicable area is to achieve zero net carbon emissions by 2020 taking
	another applicable	zero net carbon emissions	account of construction and post occupancy development phases.
	development application.	by 2020 for the Master	Specify objectives for energy, waste, water, transport and materials
		Planned Area.	components.
			Data collection and management
			Identify methods for collecting and documenting carbon emission and
			abatement data over time, including scope of information, type and level of
			detail and metrics.
			Identify methods for tracking carbon emission and abatement data giving
			consideration to accessibility, ease of use, maintenance and regular
			reporting that profiles carbon reduction performance.
			Establish baseline and relevant carbon footprint benchmarks for
			comparable development based on industry average and best practice
			urban development examples.
			Strategy and action plan
			Calculate, monitor and forecast the carbon footprint of development in the
			applicable area for construction and post occupancy and explain
			calculation methods based on known or proxy data. Highlight any
			significant gaps, assumptions and limitations.
			Document the strategies and actions to be implemented to meet
			measurable objectives for the target of zero net carbon emissions by
			2020.
			 For each carbon reduction or abatement strategy or action, define priorities, roles and responsibilities, timeframes, resources and funding
			requirements. Document a communications plan to be implemented to raise awareness
			Document a communications plan to be implemented to raise awareness of carbon reduction strategies and actions.
			Decument other methods for building conscitutions.
			Decument other methods for building capacity through training, procedures, technologies, knowledge and information management
			systems and community education to assist in the success of carbon
			reduction and abatement strategies and actions.
			Monitoring and reporting
	1	1	Monitoring and reporting

Column 1 Description of the compliance assessment document	Column 2 Anticipated timing of compliance assessment	Column 2 Purpose of document	Column 3 Matters against which the document is to be assessed
			 Identify methods for analysing and monitoring carbon emissions data over time to determine trends and gain a better understanding of factors that affect performance. Identify steps to improve performance. Document an audit strategy to review performance data based on benchmarks and targets and report findings to key stakeholders.
Affordable Living Plan	Subsequent to the approval of a preliminary approval to which section 242 of the Act applies and prior to the lodgement of another applicable development application.	To demonstrate that development in the applicable area will provide affordable living options for a full range of household types and make appropriate provision for a component of affordable housing and supported community housing.	Ceneral requirements ■ Demonstrate how the development proposes to meet the affordable living outcomes of the structure plan in relation to the following: ■ neighbourhood structure and design; ■ provision of a variety of housing types and sizes which meet the needs of the emerging community; ■ staging and release of land; ■ provision of land for public and community housing; and ■ sustainable design. ■ Outline and justify the proposed actions and measures to be implemented in order to meet the affordable living outcomes with specific reference to the following: ■ the Sunshine Coast Housing Needs Assessment; ■ the Sunshine Coast Affordable Living Strategy; ■ ongoing implementation and enforcement. ■ For each affordable living action, define priorities, role and responsibilities, timeframes, resources and funding requirements. ■ The Affordable Living Plan is to comply with the requirements for the preparation of an Affordable Living Plan in Appendix SC6.20C (Affordable Living plan). Monitoring and reporting ■ Outline proposed monitoring and reporting arrangements for the implementation of the Affordable Living Plan over time.
Sustainable Transport Plan	Subsequent to the approval of a proliminary approval to which section 242 of the Act applies and prior to the lodgement of another applicable development application.	To demonstrate that development in the applicable area will: Support transit oriented development; Reduce reliance on the private car; Promote walking	General requirements Provide details of the proposed measures and actions to be implemented in order to promote sustainable transport within the development. Measures should include, but are not limited to, the following:- provision of public transport, cycle and pedestrian infrastructure and services prior to or in the early stages of development; neighbourhood design to promote/encourage sustainable transport modes including land use planning and configuration of transport networks to promote and achieve shorter travel times for active

Column 1	Column 2	Column 2	Column 3
Description of the	Anticipated timing of	Purpose of document	Matters against which the document is to be assessed
compliance assessment	compliance assessment		
document		and avaliant	transport as a dear.
		and cycling; Achieve a	transport modes;
			• travel demand management;
		significant mode	provision of frequent public transport services; deciminate and existing and
		shift towards sustainable	e designing pedestrian and cycle paths and public transport stops/stations to maximise accessibility, safety, comfort and amenity
			for users:
		transport modes (public transport,	e incorporation of high quality end of trip facilities for walking/cycling
		walking and	and public transport users:
		waiking and cycling):	e education and marketing to promote sustainable transport options
		Not create	within the community.
		undesirable impacts	 In preparing the Sustainable Transport Plan, consultation should be
		on adjoining	undertaken with Council, relevant State Government Departments, service
		development; and	providers and other stakeholders as appropriate.
		 Appropriately 	In determining proposed measures and actions, consideration should be given to the following:-
		manage carparking.	given to the following:-
			 existing and proposed walking and cycling, public transport and road networks, including the TransLink Network Plan for the sub-region;
			networks, including the TransLink Network Plan for the sub-region;
			 proposed land uses/development to be undertaken within the
			applicable area and existing and planned land uses/development in
			the remainder of the master planned area and surrounding areas;
			specific requirements for school/education based travel, work based travel, and recreational use;
			travel, and recreational use;
			specific requirements for different categories of users (e.g. the
			elderly);
			e land use and sustainable transport integration;
			 route planning to ensure integration of pedestrian and cycle networks and public transport networks;
			and public transport networks;
			car parking requirements and locations, including incorporation of
			shared/consolidated parking facilities where appropriate; timing /staging of development and infrastructure/services.
			tirning /staging of development and intrastructure/services.
			Provide supporting information and documentation which supports the
			proposed approach.
			Provide an Integrated Movement Network Plan that indicates how the
			proposed bicycle and pedestrian network achieves the planning
			requirements and how it is intended to integrate with the proposed road
			hierarchy and public transport network plans.
			Provide a Public Transport Network Plan that indicates how the planning

Sunshine Coast Planning Scheme 2014

Column 1 Description of compliance as document		Column 3 Matters against which the document is to be assessed
Integrated Wat Management F	applicable area will incorporate an holistic approach to the management of water	requirements for public transport are proposed to be achieved. The Public transport network plan needs to be undertaken in consultation with Translink Network Provider and Council. Provide a Road Hierarchy Plan that indicates the proposed road hierarchy for the applicable area and how it integrates with the existing and planned road hierarchy for the Master Planned Area. For the District Activity Centre and Local Enterprise Area, provide a Car Parking Strategy which demonstrates how the car parking needs of the development are to be met in line with the objectives of the Structure Plan to reduce private vehicle trips. For each sustainable transport action, define priorities, role and responsibilities, timeframes, resources and funding requirements. Monitoring and reporting Outline proposed monitoring and reporting arrangements for the implementation of the Affordable Living Plan over time. General requirements Provide details in relation to how the development is to aim to achieve an 80% reduction in use of reticulated water from the SEQ water grid including details of the suite of measures to be adopted. Measures may include a combination of recycled water rainwater and stormwater harvesting as well as water conservation and demand reduction measures. Provide supporting information including detailed end use modelling and water balance analysis which supports the proposed approach and demonstrate over a 25yr time series, the reliability of any potable substitution that is sourced from rainwater and/or recycled effluent, including and documenting the effects of climate change and how these solutions increase the applicable Sunshine Coast water organisation's desired levels of service. Outline and justify the proposed measures to be adopted having regard to: proven technology; documented public health policy at all levels of government; operational realities; projected trends regarding fixture uptake rates; econsideration of the likely social acceptance of various measures and meass of encouragemen

Column 1	Column 2	Column 2	Column 3
Description of the	Anticipated timing of	Purpose of document	Matters against which the document is to be assessed
compliance assessment	compliance assessment		
document			
			 consideration of the provision of measures; and
			sensitivity or likelihood of success of measures or groups of
			measures.
			 Provide details of proposed uses for recycled water, potable water,
			rainwater, and harvested stormwater.
			 Demonstrate how the Environmental Values and Water Quality Objectives
			listed for the Mooloolah River Catchment under the Environmental
			Protection (Water) Policy 1997 are to be protected or enhanced.
			Water supply and sewerage infrastructure
			Provide dimensions and conceptual layouts for water supply and
			sewerage networks for the applicable area in accordance with Other
			Plans Map OPM P11 (Palmyiew Master Planned Area Water Supply Infrastructure Network) and Other Plans Map OPM P12 (Palmyiew
			Intrastructure Network) and Other Plans Map OPM P12 (Palmview Master Planned Area Sewer Infrastructure Network).
			 Provide supporting reports and tools (models, spread sheets etc.) demonstrating the attainment of the Desired Standards of Service
			demonstrating the attainment of the Desired Standards of Service
			requirements at all stages. Stormwater management and flooding
			Stormwater management and nooding
			Describe the existing topography, vegetation, soil conditions, and groundwater conditions for the site and identify existing creeks, streams
			and drainage lines.
			Identify the Probable Maximum Flood extent, 100 year ARI climate change
			flood extent and the 20 year API climate change flood extent for the cite
			flood extent and the 20 year ARI climate change flood extent for the site, in accordance with flood modelling parameters used in the most recent
			Mooloolah Flood Modelling held by Council.
			Provide an overall Master Stormwater Plan for the applicable area which:-
			identifies the overall drainage catchment having regard to the
			remainder of the Master Planned Area and surrounding areas:
			identifies existing and proposed drainage sub-catchments within the
			everall catchment:
			 provides a conceptual layout for the overall stormwater network for the development including indicative layouts for conveyance,
			treatment and storage infrastructure;
			o identifies indicative numbers and locations of head of line and end of
			line treatment devices: and
			 identifies a lawful point/s of discharge for each sub-catchment.
			Outline and justify the proposed stormwater treatment and conveyance

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Column 1 Description of the compliance assessment document	Column 2 Anticipated timing of compliance assessment	Column 2 Purpose of document	Column 3 Matters against which the document is to be assessed
			and storage methods proposed to be utilised within the development with specific reference to the following: - the achievement of the outcomes identified in the Structure Plan and this policy in relation to stormwater management; - the intended outcomes for particular land use precincts including urban design outcomes; - the intended outcomes for other infrastructure networks and the need to co-locate infrastructure and services networks; and - ongoing maintenance requirements including whole of life costs. - Identify and detail any significant earthworks proposed to be undertaken in relation to stormwater management. - Provide details of any proposed stormwater harvesting including catchment, proposed uses for the water, storage volumes, construction of storage devices, integration of storage devices into the development, water quality and treatment, pumping and distribution requirements. - Outline the proposed water quality monitoring and reporting program to be implemented to ensure the Environmental Values and Water Quality Objectives listed for the Mooloolah River Catchment under the Environmental Protection (Water) Policy 1997 are protected or enhanced. Other requirements - Identify any specific requirements for development applications in relation to water supply, sewerage and stormwater infrastructure and/or management.

Appendix SC6.20A Palmview master planned area ecological and landscape protection and rehabilitation plan

1. Short Title

This document may be cited as the Palmview Master Planned Area Ecological and Landscape Protection and Rehabilitation Plan (Plan).

2. Purpose

The purpose of the Plan is to provide for the following:-

- (a) the guidelines about satisfying the ecological and landscape protection outcomes (Section 5-9); and
- (b) the requirements for Local Ecological and Landscape Protections and Rehabilitation Plans to be required in a preliminary approval to which section 242 of the Act applies or other applicable development approval (Section 10).

3. Application

- (1) The Plan applies to the non-urban open space infrastructure network specifically identified on Other Plans Map OPMP14 OPMP12 (Palmview Master Planned Area Non-urban Open Space Infrastructure Network) which includes environmental protection areas, environmental enhancement areas Types A and B, environmental transition areas and the scenic amenity and highway acoustic buffer.
- (2) The non-urban open space infrastructure network comprises the landscape units identified on Other Plans Map OPMP14_OPMP12 (Palmview Master Planned Area Non-urban Open Space Infrastructure Network) which are based on the following:-
 - (a) ecological functions and values;
 - (b) existing condition;
 - (c) short and long term land use; and
 - (d) the rehabilitation outcomes for the areas in the non-urban open space infrastructure network.
- (3) An application for a preliminary approval to which section 242 of the Act applies or another applicable development application should demonstrate compliance with the Plan.
- (4) The Council may also require in a preliminary approval to which section 242 of the Act applies or another applicable development approval the preparation of a Local Ecological and Landscape Protection and Rehabilitation Plan for a particular area or landscape unit which is consistent with the Plan.

4. Interpretation

In this Plan:-

Resilience-based condition assessment means a vegetation condition assessment tool:-

- (a) which measures the inherent ability of the components of a degraded ecosystem to recover and produces condition maps that inform the development of rehabilitation strategies;
- (b) which comprises the following components:-
 - (i) details of the assessment unit;
 - (ii) a suite of vegetation condition attributes that act as surrogates or indicators of biodiversity values:
 - (iii) benchmarks for each of the attributes for each regional ecosystem;
 - (iv) an assessment methodology; and
 - (v) a scoring system which provides a final condition score such as from 0 being no degradation and excellent resilience to 6 being extreme symptoms and nil resilience; and
- (c) such as that outlined in BioCondition, A Terrestrial Vegetation Condition Assessment Tool for Biodiversity in Queensland, Field Assessment Manual, Version 1.6 (T.J. Eyre, Al. Kelly, V. J Neldner.

Prepared for the Queensland Government, Environmental Protection Agency, Queensland Parks and Wildlife Service, 2008).

Vegetation means native grasslands, sedgelands, heathlands, woodlands, forest and wetlands. It includes existing stands of vegetation and areas undergoing natural regeneration, a community of vegetation and a singular plant, shrub or tree.

5. Guidelines for the ecological and landscape protection outcomes

The ecological protection and rehabilitation outcomes of the **Palmview Structure Plan** are intended to achieve the following end result for the non-urban open space infrastructure network:-

- (a) the retention and enhancement of all of the existing biodiversity;
- (b) the improvement of the healthy functioning and resilience of ecosystems;
- (c) the maintenance and enhancement of ecosystem services;
- (d) the recreation of wildlife habitat and corridor linkages;
- (e) the improvement of recovery of threatened communities and species;
- (f) the improvement of condition of riparian vegetation and aquatic habitat;
- (g) the improvement of soil conditioning and land and stream bank stability;
- the management of threatening processes including impacts from development, climate change, invasive species and edge effects; and
- the provision of a diverse range of environmental areas and environmental recreation opportunities and outdoor experiences for the community.

6. Guidelines for areas and landscape units of the non-urban open space infrastructure network

- (1) Development should provide for the use of the area in the non-urban open space infrastructure network in accordance with Table 10.3.4.3A (Outcomes for Non-urban Open Space Infrastructure Area) in the Palmview Structure Plan.
- (2) Development should achieve the ecological protection and rehabilitation outcomes and associated management requirements for the landscape units are identified in Table 10.3.4.3B (Palmview ecological and landscape protection and rehabilitation landscape units) in the Palmview structure plan.

7. Guidelines for environmental protection areas and –environmental enhancement areas

- (1) A disturbed or degraded area should be revegetated or regenerated using appropriate indigenous plant species specific to the vegetation community to return it to a representative and largely self sustainable condition.
- (2) Regeneration is the staged removal of weeds and the management of impacts in a natural area to facilitate natural recruitment of indigenous species with minimal planting at the speed of natural processes. Where regeneration will return the area to a representative and largely self sustainable condition within the agreed maintenance period it is the preferred option.
- (3) Only site specific to the specific vegetation community indigenous plant species should be used in a natural area. No hybrid or select plant should be used. Where possible local provenance stock should be used.
- (4) The successful rehabilitation of an environmental protection area occurs where:-
 - (a) all areas are clear of non-indigenous species and demonstrate multi-aged recruitment of indigenous species (to vegetation community species); and
 - (b) any random 1 metre square monitoring area demonstrates indigenous vegetation or multi-aged recruitment occupying at least 95% of the entire area, with bare areas less than 5%.

- (5) The successful rehabilitation of an environmental enhancement area occurs where at the end of 5 years, any random 1 metre square monitoring area demonstrates the following:-
 - (a) 40 % ground coverage;
 - (b) 85 % projected foliage coverage in canopy;
 - (c) < 5% failure rate; and
 - (d) no environmental or declared weeds.

8. General guidelines

Fauna and flora translocation

- (1) Any work involving the translocation of flora and fauna should be approved by the Council prior to the commencement of the works.
- (2) All Federal and State government permits and approvals for the translocation of flora and fauna should be obtained and given to the Council prior to the commencement of the works.
- (3) An accredited wildlife spotter should examine the site for presence of fauna and to supervise operations, where required.

creating or improving movement pathways for native animals

- (4) Site development should complement the management of a non-urban open space area and address the safe movement of native animals through the development site and direct native animals away from those parts of uses and development that potentially cause harm to them. Threats may arise from a variety of sources including machinery, swimming pools, deep sided drains, domestic animals, security fencing, road traffic, lighting and noise.
- (5) Specific consideration should be given to fauna exclusion fencing, fauna "funnelling" fences or structures, underpasses, overpasses, culvert design, fish passage and other fauna sensitive design features, as appropriate.

Controlling domestic pets and stock

(6) Development should ensure that domestic pets, especially dogs and cats, and stock do not enter a non-urban open space area. Critical boundaries between wildlife habitat and movement corridors and residential, commercial or industrial areas should be identified and managed appropriately.

Controlling pest plants and animals

- (7) Development should prevent the introduction or spread or distribution of pest animals on the site and integrate any management requirements for pest animals on the site with other natural resource management activities.
- (8) No equipment or materials (including mulch, soil, etc.) should be brought into a non-urban open space areas unless reasonably believed to be weed seed free.
- (9) All declared plants (Land Protection (Pest and Stock Route Management) Act 2002 (QLD), and Environmental Weeds as identified in Section SC6.14.7.5 (Management of weeds) of the Planning scheme policy for development works should be removed in a manner that prevents the regrowth of the declared and weed species, prevents damage to non-target species and retains indigenous vegetation and community and conservation values.
- (10) No declared plants (Land Protection (Pest and Stock Route Management) Act 2002 (QLD) or Environmental Weeds as identified in Section SC6.14.7.5 (Management of weeds) of the Planning scheme policy for development works should be planted.
- (11) No native vegetation should be removed or disturbed from a non-urban open space area without the prior approval of the Council;

Site clean up and waste management

(12) Hazards and wastes should be removed from the site, with particular attention paid to the future public access and open space areas. This includes any wastes as defined in the *Environmental Protection* Act 1994, machinery, fencing, and equipment left over from past land uses and items of rubbish and litter.

Machinery and access

- (13) No machinery, equipment, materials or personnel should enter a non-urban open space area unless directly and currently undertaking works that are required to meet the conditions of a development approval.
- (14) Trees should be protected from any damage from development.
- (15) No overburden or spoil should be pushed or deposited into a non-urban open space area.
- (16) Vehicle barriers and access gates should be installed on the boundaries of a non-urban open space area, where appropriate to prevent unauthorised vehicle access. The purpose of the fencing is to protect a non-urban open space area against possible unauthorised vehicle damage and prevent unauthorised vehicular access to walking or management tracks via public entrances.

Tree hazard assessment

- (17) A qualified arborist should conduct a tree hazard assessment of all trees within a 10 metre distance or within striking distance of a potential or existing residential lot, infrastructure including a retained or constructed footpath or road and the edge of open space and any trees where any disturbance of the earth, drainage or storage of materials has occurred during development.
- (18) The qualified arborist should provide a written report of assessments and resultant hazard mitigation work to make safe for a period of 5 years to the satisfaction of the Council.

Fire management plan

- (19) Development should comply with a Fire Management Plan required in a preliminary approval to which section 242 of the Act applies or another applicable development approval which:-
 - (a) satisfies the following requirements:-
 - (i) address the whole of the proposed development site;
 - (ii) give consideration to the site's context within the broader area, particularly in relation to potential off-site sources of increased fire hazard:
 - (iii) identify the location and severity of potential bushfire hazard by means site-based assessment based on:-
 - (A) detailed data collected at the local level;
 - (B) factors such as vegetation type, slope, aspect, and fire history (if available);
 - (C) address on-and-off site hazard implications of the development, including those posed by any nearby bushland; and
 - (D) future land uses and ecosystem rehabilitation objectives;
 - (iv) recommend remedial measures such as specific features of the development design such as land use type, vehicular access, lot layout and house site location, proposed fire-fighting infrastructure such as water supply and fire maintenance trails, recommended standard of building construction, clearing and landscaping and advice to new residents;
 - clearly state any impact of the chosen mitigation measures on the environmental values
 of the site and the measures taken to avoid or minimise this impact; and
 - (vi) consider the anticipated future bushfire hazard for the site that might arise as part of revegetation objectives, by allowing for the provision for future assessment in accordance with paragraph (iii); and
 - (b) has been approved by a compliance certificate given by the Council.

9. Guidelines for management

(1) Development should ensure that an environmental protection area and environmental enhancement area is provided in a tenure that complies with a plan required in a preliminary approval to which section 242 of the Act applies or another applicable development approval and approved by the Council identifying the following:-

- the long-term security of tenure such as conservation estate, conservation covenant, nature refuge; and
- (b) administrative and financial arrangements.
- (2) Development should ensure that any third party contract arrangements relevant to the schedule of works in a Local Ecological and Landscape Protection and Rehabilitation Plan required in a preliminary approval to which section 242 of the Act applies or another applicable development approval are approved by the Council.
- (3) Development should ensure that a non-urban open space infrastructure area is maintained in a manner that at least maintains and preferably enhances the condition of the ecological areas for a period of 12 months after the Council has determined that the non-urban open space area has been developed in accordance with the approved Local Ecological and Landscape Protection and Rehabilitation Plan (Conditions Met Inspection).
- (4) Development should ensure that an Ecological Protection and Rehabilitation bond is to be provided to the Council to ensure completion of the approved Local Ecological and Landscape Protection and Rehabilitation Plan and the repair of a non-urban open space area if an activities resulting from construction and development were to impact on the identified non-urban open space areas.

10. Requirements for local ecological and landscape protection and rehabilitation plan

- (1) A Local Ecological and Landscape Protection and Rehabilitation Plan should be prepared for a landscape unit identified on **Other Plans Map OPMP14-OPMP12 (Palmview Master Planned Area Non-Urban Open Space Infrastructure Network)**.
- (2) A Local Ecological and Landscape Protection and Rehabilitation Plan should be prepared prior to the commencement of any ecological or landscape protection or rehabilitation work and in accordance with the timing in a preliminary approval to which section 242 of the Act applies or another applicable development application.
- (3) A Local Ecological and Landscape Protection and Rehabilitation Plan should be prepared by a competent person.
- (4) A Local Ecological and Landscape Protection and Rehabilitation Plan should be consistent with:-
 - (a) the ecological protection and rehabilitation outcomes and management requirements for the landscape units identified in Table 10.3.4.3B (Palmview ecological and landscape protection and rehabilitation landscape units) of the Palmview Structure Plan; and
 - (b) any approved Local Ecological and Landscape Protection and Rehabilitation Plan for a surrounding area.
- (5) A Local Ecological and Landscape Protection and Rehabilitation Plan should incorporate the following:-
 - (a) site description details, and in particular:-
 - a definition of the site boundaries of the ecological area by reference to a plan showing the land subject to the Local Ecological and Landscape Protection and Rehabilitation Plan:
 - a description of the site, including geology, soils, acid sulphate soils, topography and drainage (including surface and groundwater), vegetation communities, significant wildlife habitat and corridor factors; and
 - (iii) a description of land use including the following:-
 - (A) past land use and management and any implications for proposed ecological protection and rehabilitation activities; and
 - (B) any current and future aspects of adjacent land that are likely to impact on the long term sustainability of the land and proposed ecological protection and rehabilitation activities.
 - (b) a resilience based condition assessment of the land the subject of the Local Ecological and Landscape Protection and Rehabilitation Plan, including an established and well documented photo-monitoring program;

- the proposed rehabilitation technique to be utilised within each non-urban open space area and (c) any resultant secondary management zones with reference to the specific ecological protection and rehabilitation outcomes in Table 10.3.4.3B (Palmview ecological and landscape protection and rehabilitation landscape units) of the Palmview Structure Plan, including the following:
 - soil management the measures proposed to ensure an adequate quantity of topsoil is (i) obtained for rehabilitation which should entail procedures for stripping and stockpiling (if suitable material is on site), soil amendment and fertiliser requirements and management of noxious plant seed material (if soil is infected);
 - (ii) drainage, erosion and sediment control - the requirements for managing drainage, erosion (in particular active erosion) and sediment during rehabilitation consistent with the overall drainage, erosion and sediment control plan for the site from development to construction and post-occupancy;
 - waterways and wetlands requirements for the enhancement of waterways and wetlands including improving bed and bank stability, aquatic habitat, riparian habitat, restoring natural water flows and watercourse processes and restoring natural flushing action to waterways having regard to the hydraulic effect of planting densities with reference to Manning's roughness coefficient;
 - site preparation techniques the procedures for preparing the rehabilitation of each (iv) non-urban open space area and subsequent secondary management zone to demonstrate that suitable measures are to be undertaken to ensure that the seed bed and planting soil is in a condition which is able to support the rehabilitation and that soil moisture preparation, aeration, weed removal and mulching is adequate;
 - (v) slashing regime - the frequency and timing of slashing to achieve ecological and water quality outcomes:
 - species selection and planting the procedures for sourcing and selecting species for (vi) revegetation, identification of suitable suppliers, quantity and timing of plant deliveries, types of plant stock to be used, planting procedures and drawings and protection measures from fauna and human activities and the like;
 - creation of fauna habitat and corridors the procedures for enhancement of wildlife (vii) habitat and corridors including any requirements for the retainment of existing habitat features, creating or improving existing movement pathways for native animals, the use of fauna friendly fences or fauna "funnelling" techniques and fauna translocation; and
 - (viii) threatened species - where threatened species are present, background information on the species describing the current conservation status, demonstrating how the rehabilitation techniques selected will protect, manage and enhance the species and its habitat on the land (including individuals on the land) and including management actions that are in keeping with species recovery plans or conservation plans;
- (d) a schedule of works including project duration, timing, stages and key milestones which is to be revised at each stage of development with reasons given for any delay in the schedule;
- the organisational structure, roles and responsibilities and reporting requirements for the (e) schedule of works, including any third party contract arrangements;
- the materials and resources required, including equipment, supplies, plant material and other (f) materials and estimate labour days required to carry out works for each stage as identified in the schedule of works:
- the on-going maintenance measures to ensure non-urban open space areas are properly maintained over the establishment phase and in the long-term having regard to the long term ownership and in particular the measures relating to the following matters:
 - signage;
 - (ii) fencing;
 - (iii) access management;
 - site clean-up, removal and management of rubbish, wastes and pollutants; (iv)
 - fire management, including firebreaks and fire management access tracks; (v)
 - pest animal and weed control; (vi)
 - fauna management; (vii)
 - the slashing regime, including slashing frequency and timing; replanting failure; (viii)
 - (ix)
 - (x)erosion repair;
 - (xi) watering; and
 - any other relevant maintenance requirement:
- details of all approvals necessary to carry out the work outlined in the Local Ecological and (h) Landscape Protection and Rehabilitation Plan;

- indicators for monitoring the success of the ecological protection and rehabilitation in terms of the outcomes in Table 10.3.4.3B (Palmview ecological and landscape protection and rehabilitation landscape units) of the Palmview Structure Plan and in the resilience based (i) condition assessment;
- reporting arrangements including details of the process for identifying and rectifying failures; (j)
- the requirement for a progress report to be provided to the Council at the completion of each (k) stage of works as identified in the schedule of works detailing the following:
 - (i) the areas worked, rehabilitation methodologies undertaken, on-going maintenance requirements and estimated costs;
 - (ii) how outcomes have been met; and
 - (iii) as constructed plans of non-urban open space areas including accurate master plans, rehabilitation treatments, above and below ground land improvements, irrigation and any other infrastructure;
- mapping where necessary to complement or support the Local Ecological and Landscape (I) Protection and Rehabilitation Plan which:-
 - (i) (ii) is accurate:
 - is easy to read and understandable,
 - (iii) is appropriately scaled;
 - provides an appropriate level of detail for site-specific assessment and management; (iv) and
 - (v) shows the direction of north and includes a scale, legend and title.

Appendix SC6.20B Desired standards of service for water supply and sewerage infrastructure

1. Introduction

- (1) This document contains the desired standards of service for potable water supply, recycled water supply and waste water infrastructure networks for the Master Planned Area.

 Standards are both performance and demand based.
- (2) Planning for the water supply and sewer infrastructure networks for the Master Planned Area have been based on the assumptions and standards detailed in this document.

2. Application

- (1) The standards contained within this document apply to the planning and design of water supply infrastructure and sewer infrastructure related to the development of the Master Planned Area.
- (2) The standards should be read in conjunction with the following:-
- (a) the Palmview Structure Plan;
- (b) the Planning scheme policy for development works; and
- the terms of the infrastructure arrangement applicable to the Master Planned Area.

3. Compliance

- (1) Compliance to the performance based standards of service contained in Table SC6.20L (Potable water standards of service summary table), Table SC6.20M (Recycled water standards of service summary table) and Table SC6.20N (Waste water standards of service summary table) is to be demonstrated for existing, ultimate and intermediate planning horizons. Assessment under intermediate planning horizons is required to demonstrate staging of the bring forward requirements for ultimate infrastructure.
- (2) Evidence of attainment of all criteria is to be in provided in both graphical and tabular formats.
- (3) Performance criteria that are labelled as "Target" do not require strict compliance. However, if "Target" performance criteria are not achieved explanation regarding the decision for not pursuing the specified target is to be provided.
- 4. Desired standards of service for water supply infrastructure

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(1) The standards of service for water supply for the Palmview Master
Planned Area are based on properties being serviced
through the following:-

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a potable water supply infrastructure network as specified on Other
Plans Map OPM P11 (Palmview Master Planned Area
Water Supply Infrastructure Network) in Schedule 2
(Mapping); and

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(b) a rainwater tank.

1.3 days at MDMM

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Achievement of the standards of service for potable water and recycled water supply is to be demonstrated under the minimum performance testing scenarios specified in Table SC6.20I (Minimum performance testing scenarios for water networks) below.

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Table SC6.20I Minimum performance testing scenarios for water networks

This scenario is necessary for demonstration of compliance to bulk supply, storage and pumping requirements. Reservoir levels are to commence at 90% full at midnight on the 1st day (i.e. at the start of the analysis). All reservoirs are to have a positive net inflow at the end of each day.

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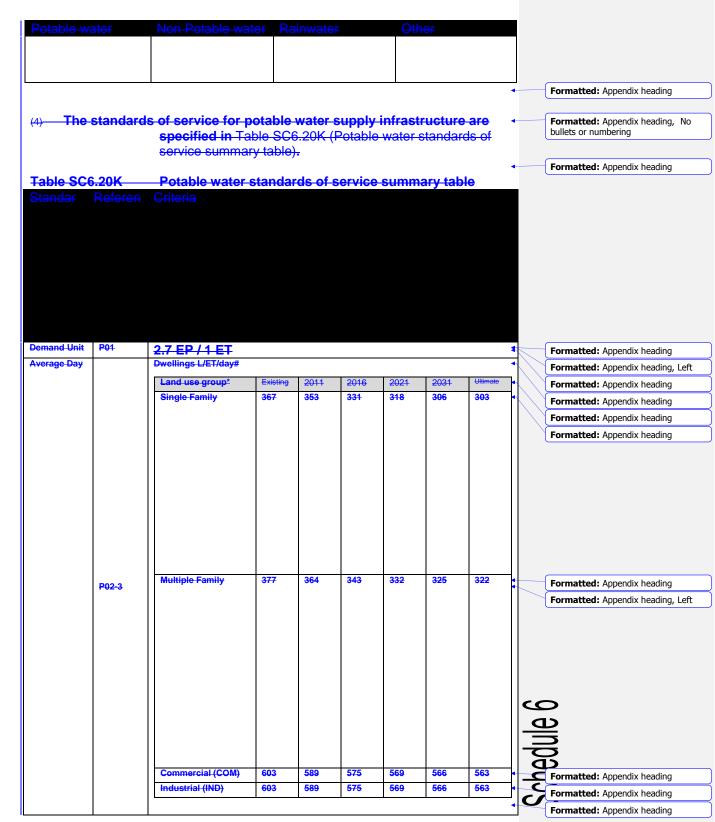
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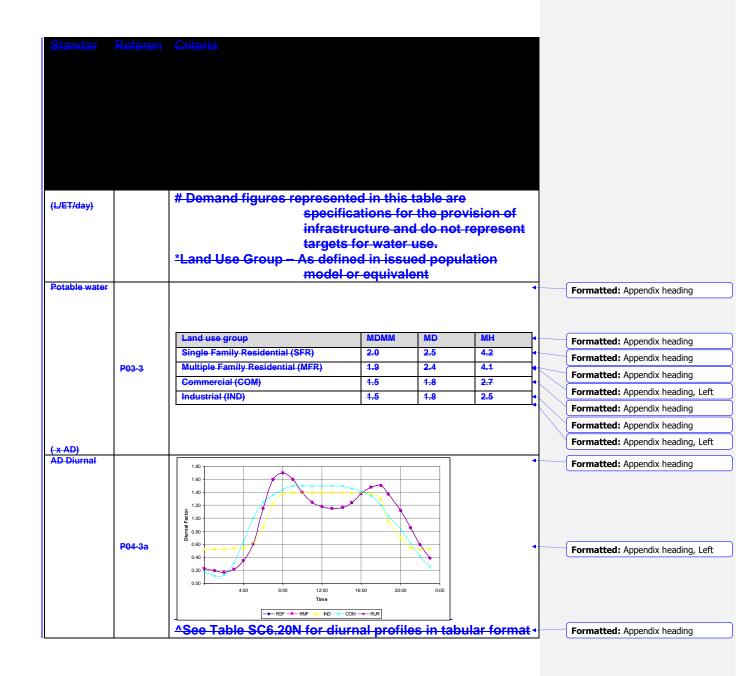
This scenario is necessary for demonstration of compliance to storage, MH pressure, velocity and pumping requirements. No reservoir should fail according to standards P13, P14 and P15 below during this analysis.

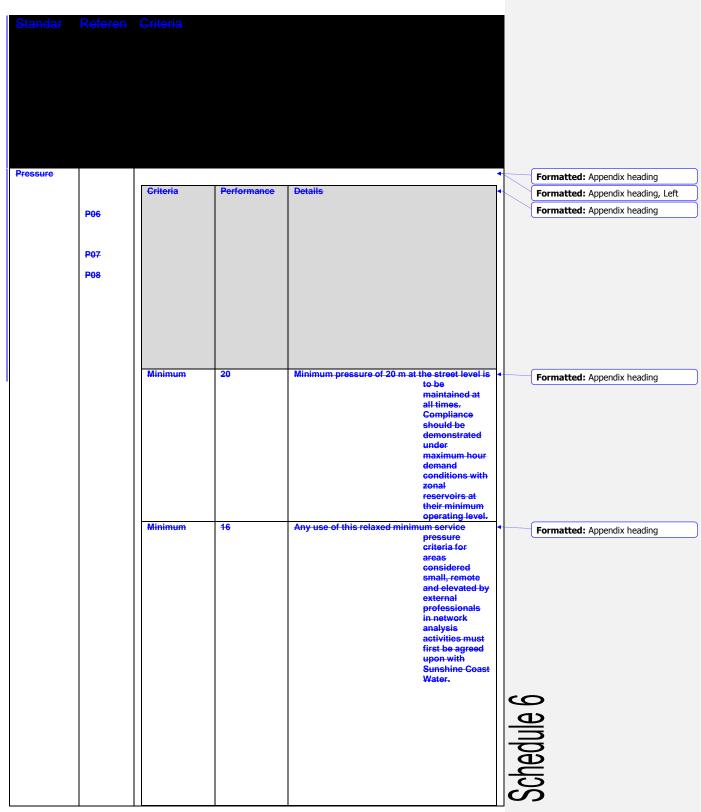
Schedule 6

Scenario	Details			
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3. 7 days at AD	This scenario	is necessary for der	nonstration of	Formatted: Appendix heading
-	† This section of	compliance to		Formatted: Appendix fleading
	•		eria and is useful	
	m	for testing of		
•	3	•	uch as reservoir	
	}		nger runs (e.g. 30	
	#		mand) may be st water quality	
			uch as water age	
		and chlorine		
4. Fire Flow	This scenario	is necessary for ass		Formatted: Appendix heading
		water supply		
			eliver fire flow	
			fer to standards P21 for details	
			water supply	
			uired fire flow	
		performance	capacity.	
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(a) The accumed on	ad uga braakdaw	n for water use in the	- Master Dianned	
		in Table SC6.20J (As		Formatted: Appendix heading, No bullets or numbering
	end uses).	III Table 000.200 (710	surrica anotation of	
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	Assumed allocati			9
	lon Potable water		Other	(I)
•	'oilets 'xternal	Cold water tap to	Demand	Formatted: Appendix heading
Hot Water	.xtci iidi			73
Dishwashers				1
Baths				Schedu
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l	Potable water	Non Potable water	Rainwater	Other	
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Standar	Referen	Criteria				
		Maximum The 16 m r		Compliance should be demonstrated during minimum demand periods with reservoirs at their maximum operating level.		Formatted: Appendix heading Formatted: Appendix heading
Motor			Git: (DE duc pric infr pla W's current c lea pre pos			
Water	P09 P10 P11 P12			•	_	Formatted: Appendix heading Formatted: Appendix heading, Left Formatted: Appendix heading Formatted: Appendix heading Formatted: Appendix heading, Left

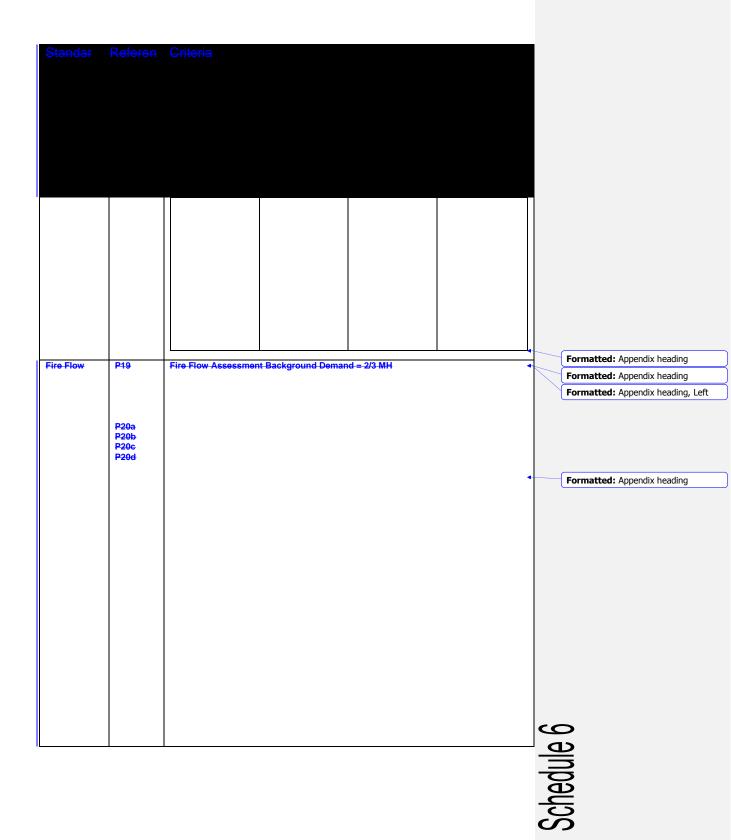
Standar	Referen	Criteria			
Otarida					
		Criteria	Performance specification		
		Bulk supply pipeline operating u	Capacity to transport MDMM demand over 24 hours	Formatted: Appendix heading	
		n d			
		e f			
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		a v			
		i t			
		Bulk supply pipeline operating	Capacity to transport MDMM demand over 20	Formatted: Appendix heading	
		u n	hours per day	Tornatted Appendix reduing	
		d e			
		f P			
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		Zonal and reticulation water	Sized for the maintenance of pressure meeting both	Formatted: Appendix heading	
		u P	maximum hour and fire flow		
		₽ ↓	performance criteria		
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		Maximum Velocity in all mains	2.5 m/s	Formatted: Appendix heading	
				Formatted: Appendix heading	
	P13			Formatted: Appendix heading	
	P14			Formatted: Appendix heading, L	.eft
Potable				Formatted: Appendix heading	
	P15			5	
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	tondor	Deferen	Critorio		
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			Criteria Potable ground level reservoirs	Performance specification 1 x MD + 30 % contingency storage	Formatted: Appendix heading
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			Rotable ground level reservoirs	1.8 x MD	Formattade Appendix heading
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			Elevated reservoirs	6 x (MH - 1/12 MDMM) + 150 kL fire storage	Formatted: Appendix heading
			1	(statistical analysis);	
			1	Or Maintenance of storage to a minimum of 30%	
			1	full is demonstrated	Schedule 6
			1	at existing e levated	(D)
			1	reservoirs through	
			1	dynamic modelling	8
			1	where the	
				operation of the supply	S

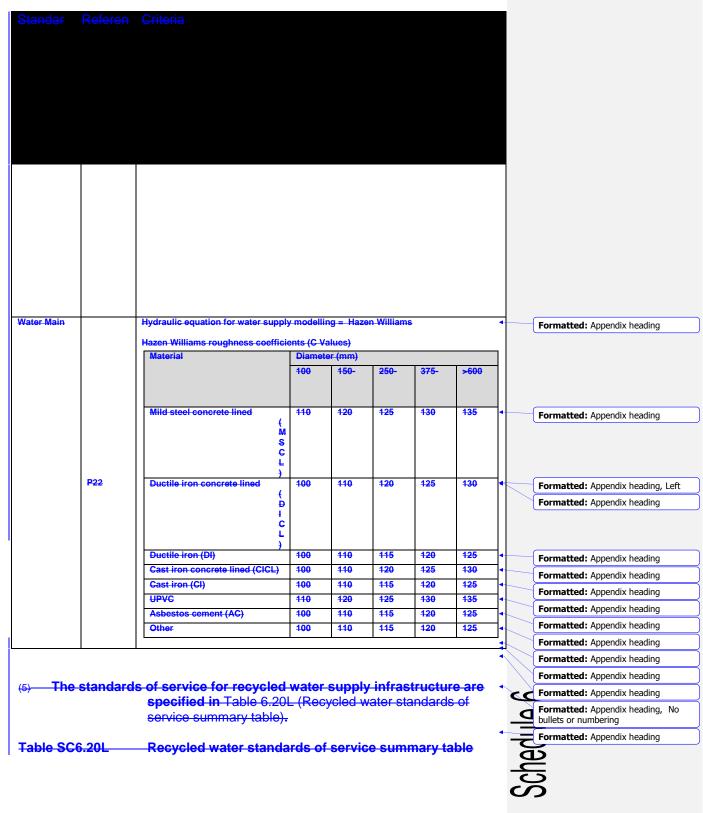
Standar Refer	pumping station is acceptable and the pumping station contains adequate	
Potable P16 P17	security against power failure. Performance is to be tested using dynamic modelling under performance testing scenarios 2 and 4 (see Table-B2). A See P19, P20 and P21 for fire flow standards	Formatted: Appendix heading Formatted: Appendix heading Formatted: Appendix heading, Left Formatted: Appendix heading
P18		Formatted: Appendix heading Formatted: Appendix heading, Left
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Pumping-stations MDMM-demand Equivalent-to Formatted: Appendix heading	Standar	Referen					
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Pumping stations ((6 x MH - Equivalent to Formatted: Appendix heading			Pumping stations	((6 × MH –	Equivalent to		

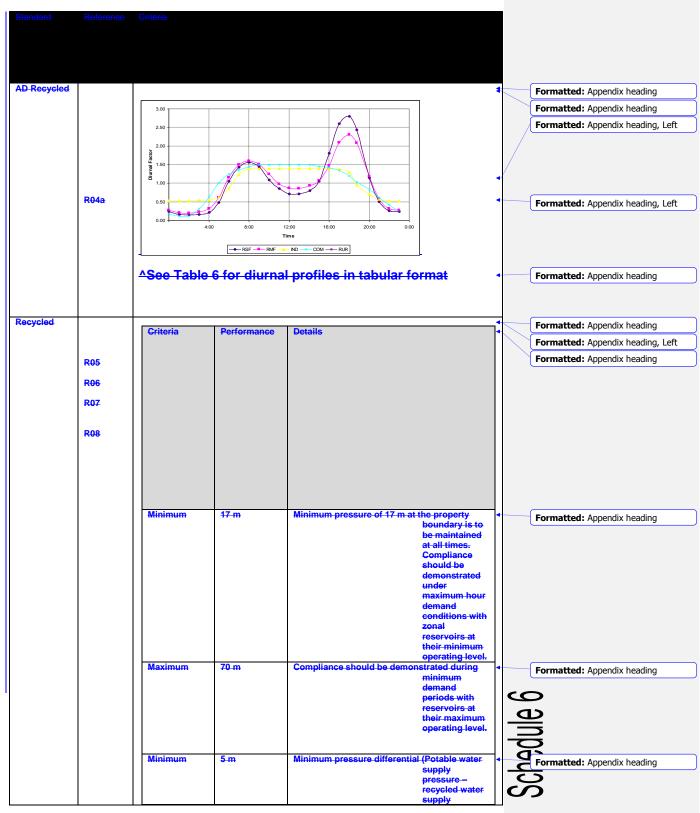
Standar	Referen	Critoria				
		Booster pumping	MH demand	Equivalent to	FF pump set	Formatted: Appendix heading
						Schedule 6



Standar	Referen	Criteria						
		Property type	Total FF	Flow sourced from number	Duration			
		Detached residential Multiple Level residential <	15 15	2 hydrants (7.5 l/s each) 2 hydrants (7.5 l/s each)	2	\vdash	Formatted: Appendix heading	
						F	Formatted: Appendix heading	
		Multiple level residential =>	30	3 hydrants (10 L/s each)	4	F	formatted: Appendix heading	
		Commercial / Industrial	30	3 hydrants (10 L/s each)	4	F	Formatted: Appendix heading	
Fire Flow	P21a	Location		Minimum pressure require	ement (m)	F	ormatted: Appendix heading	
	P21b	At hydrants in use	audronte le ::	12 m		\\\\ F	formatted: Appendix heading	
		To all of network other than h	yarants in u	se 6-m	•	\\\\\ F	ormatted: Appendix heading, Left	t)
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Sunshine Coast P	Janning Schomo	2014			Page SC87			



Standard	Peference	Critoria									
Standard											
Demand Unit	R01	2.7 EP / 1 ET							-	F	Formatted: Appendix heading
Recycled		L/ET/day - Recycled Wa		- 0044		- 0004	1 0004	Ultimate	7	F	Formatted: Appendix heading, Left
		Land use group* Single Family	Existing 216	2011 211	2016 203	2021 199	2031 194	192		F	Formatted: Appendix heading
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										F	Formatted: Appendix heading
		Multiple Family	116	113	107	104	100	99	4	<u>_</u>	
	R02	Munipie Fanny	110	110	107	104	100	33		\succ	Formatted: Appendix heading
	102									_ [F	Formatted: Appendix heading, Left
(L/ET/day)		Commercial (COM)	1004	100	100	400	100	100			
		Commercial (COM) Industrial (IND)	201 201	196 196	192 192	190	189 189	188 188		\succ	Formatted: Appendix heading
d		Hitustriar (142)	201	100	102	100	100	100		F	Formatted: Appendix heading
		*Land Use Grou	JD – As	definc د	ed in is s	sued p	opulati	ion	4	F	Formatted: Appendix heading
					or equiva		•				
Recycled									-	F	Formatted: Appendix heading
		Land use group	''-1 /CED		MDMM 1.5	MD		MH 7.1	•	F	Formatted: Appendix heading
		Single Family Resider Multiple Family Resider			1.5 1.5	2.5 2.6		7.1 5.9	•	\succeq	Formatted: Appendix heading
		Commercial (COM)	Onuai (mir	K)	1.5	2.2		3.3		\succ	Formatted: Appendix heading
		Industrial (IND)			1.5	2.2		3.1		\succ	Formatted: Appendix heading
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Recycled Respect No. 10 m Targeted pressure differential (Potable water supply pressure)—recycled water supply pressure)—recycled water supply pressure)—Respectively pressure)—Respe	Standard	Reference	Criteria			pressure). 5 m is acceptable during demand conditions such as MH where a 10 m differential may not be possible to maintain.	
R09 R10 R11 R12 Formatted: Appendix heading Formatted: Appendix heading Formatted: Appendix heading			Target	10 m	Targeted pressure differentia	supply pressure – recycled water supply pressure) at all hydraulic time	Formatted: Appendix heading
	Recycled	R10 R11					Formatted: Appendix heading Formatted: Appendix heading, Left Formatted: Appendix heading

Ctondard	Deference	Oriento		
Standard				
		Criteria	Performance specification	
		Bulk supply pipeline operating u	Capacity to transport MDMM demand over 24 hours	Formatted: Appendix heading
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		Bulk supply pipeline operating u	Capacity to transport MDMM demand over 20 hours per day	Formatted: Appendix heading
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		Zonal and reticulation water	Sized for the maintenance of pressure	Formattade Annondiv hooding
		s	meeting both maximum hour	Formatted: Appendix heading
		u P	and fire flow	
		p I	performance criteria	
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		Maximum Velocity in all mains	2.5 m/s	Formatted: Appendix heading
Recycled		Criteria	Performance specification	Formatted: Appendix heading
	D40	Recycled water ground level	1.5 x MD + 30% emergency storage	Formatted: Appendix heading
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		Recycled water elevated	6 x (MH - 1/12 MDMM) + 150 kL fire storage;	Formatted: Appendix heading
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Standard	Reference	Criteria				4	
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Recycled	+						Formatted: Appendix heading
	R13		Duty pump	Standby pump			Formatted: Appendix heading, Left
	R14						
		Criteria			Other		
	R15	Gilleria			Other		
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	·	Pumping stations					Formatted: Appendix heading
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	!		MDMM demand				
		!		Equivalent to			
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	·	Pumping stations	((6 x MH –	Equivalent to		cs	Formatted: Appendix heading
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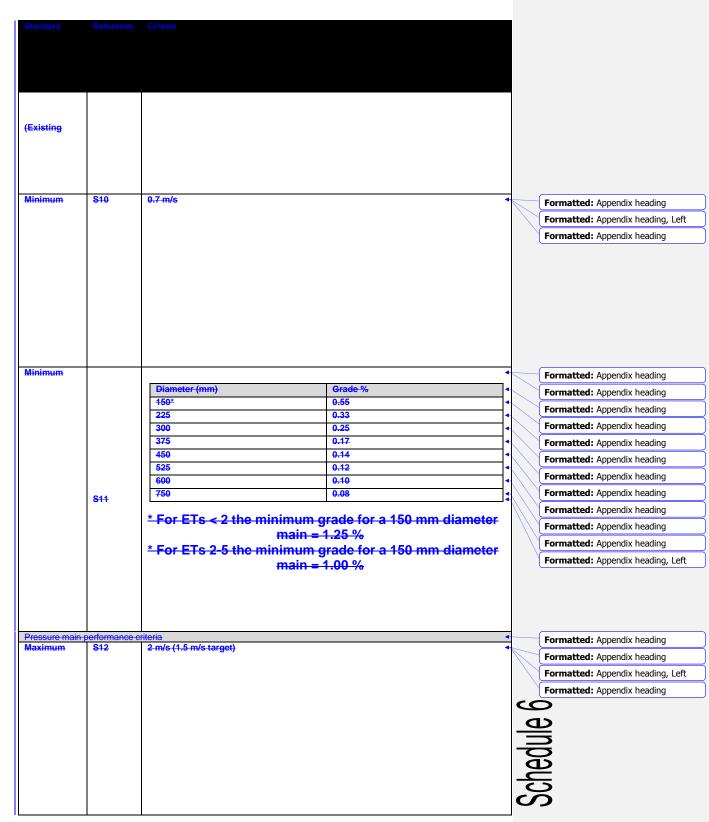
Standard	Reference	Criteria				
		Booster-pumping			FF pump set	Formatted: Appendix heading
				Equivalent to		
			MH-demand			
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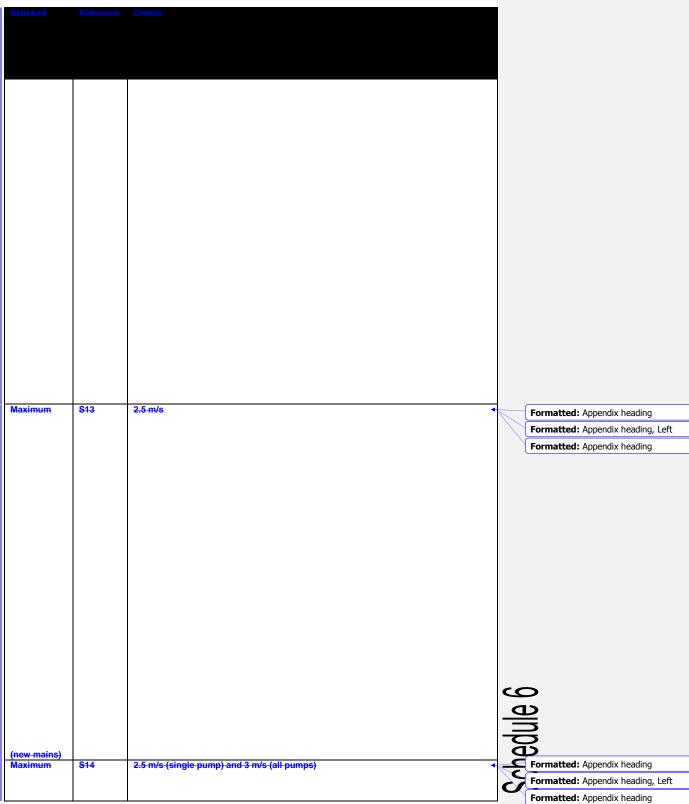
Standard	Reference	Griteria				
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Fire Flow	R18	Fire Flow Assessment Backgro	ound Demand = 2/3	⊢MH	4	Formatted: Appendix heading
				sourced from	Duration ◀	Formatted: Appendix heading, Left
		Troporty typo	Total Tion	oodiood iroin	Duranon	Formatted: Appendix heading Formatted: Appendix heading
	R19a R19b R19c R19d	Detached residential	15 2 hyc	Irants (7.5 Vs each)	2	Formatted: Appendix hoading
				Irants (7.5 l/s each)	2	Formatted: Appendix heading
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		Multiple level residential	30 3 hyc	drants (10 L/s each)	-	Formatted: Appendix heading

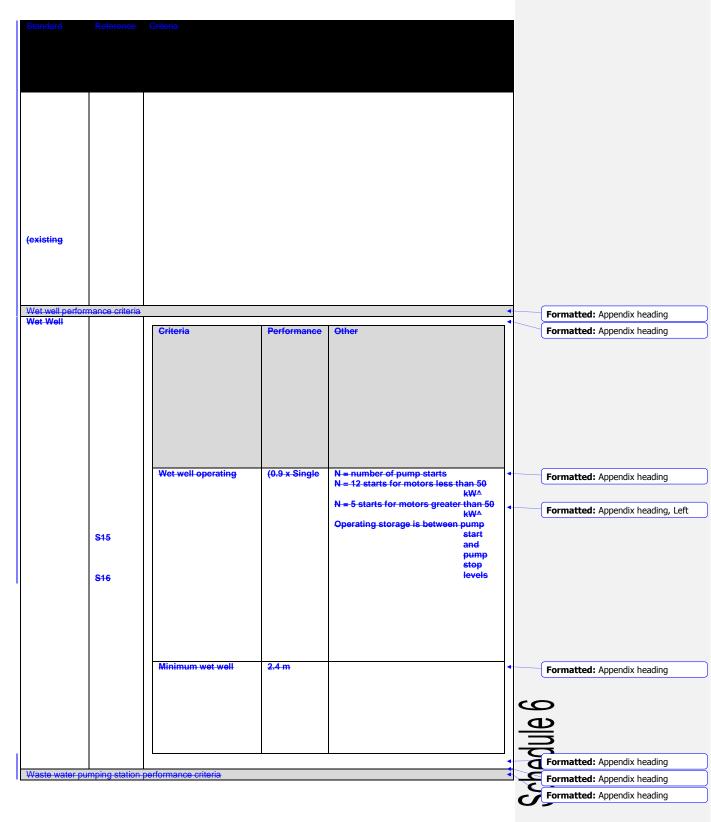


Standard	Reference	Criteria		
PWWF for		5 x ADWF^ ^ Catchment specific criteria will be developed in the future to reflect unique operating environments and customer end use efficiencies		Formatted: Appendix heading Formatted: Appendix heading
		efficiencies		Tolliaccar appearant recome
	S03	•		Formatted: Appendix heading, Left
PWWF for		4× ADWF		Formatted: Appendix heading Formatted: Appendix heading
	S04	•		Formatted: Appendix heading, Left
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Standard	Reference	Criteria		
Peak Dry		PDWF = C ₂ × ADWF Where, C ₂ = 4.7 × (2.7×ET) ^{-0.406}		Formatted: Appendix heading
		WHOIC, O2 = 4.1 X (2.1XE1)		Formatted: Appendix heading
	S06	•		Formatted: Appendix heading, Left
Gravity course	arformance	itoria		
Gravity sewer po	erformance cr	150 mm		Formatted: Appendix heading
	\$07			Formatted: Appendix heading
	307			Formatted: Appendix heading
Maximum	S08	≤ 0.75 x pipe diameter		Formatted: Appendix heading, Left
1		•••		Formatted: Appendix heading
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(New Pipes)				Formatted: Appendix heading
Maximum	S09	Pipe full and surcharge of manholes to a maximum of 1 m below manhole lid		Formatted: Appendix heading
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			2	2



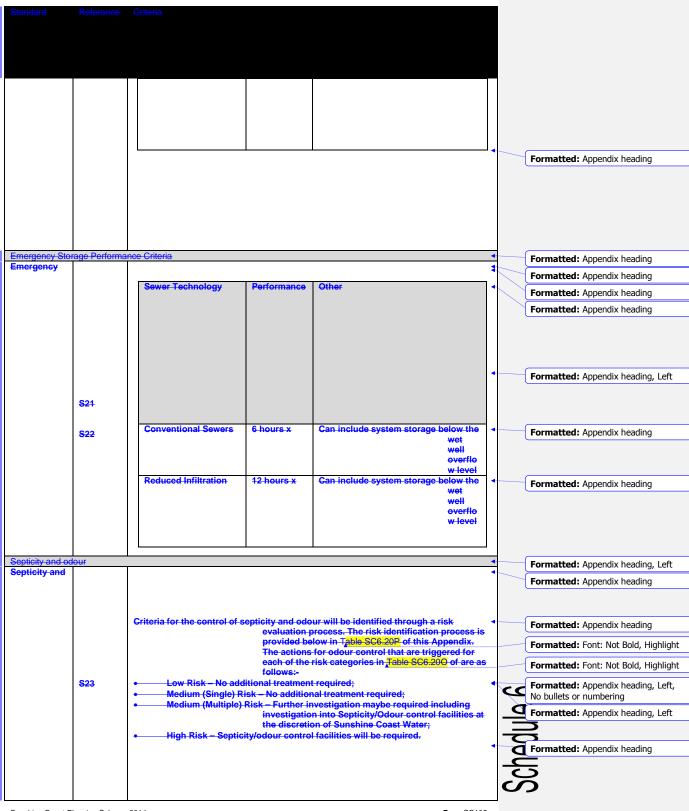




Reference	Criteria				
	Criteria	Performance	Other	+	Formatted: Appendix heading
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	Minimum duty pump	C ₁ -x ADWE	C ₊ = 15 x (2.7xET) ^{0.1587} Minimum value of C ₊ = 3.5		Formatted: Appendix heading
S17				4	Formatted: Appendix heading, Left
S18					
\$19 \$20					
	All pump capacity for	PWWF =		4	Formatted: Appendix heading
				a di bodo	
	\$17 \$18 \$19	Minimum duty pump S17 S18 S19 S20	Minimum duty pump C ₁ x ADWF S17 S18 S19 S20	Criteria Performance Other Minimum duty-pump C ₁ × ADWF C ₂ = 15 × (2.7×ET) ****** Minimum value of C ₁ = 3.5 S17 S18 S19 S20	Criteria Performance Other Minimum duty pump C ₁ × ADWF C ₂ = 15 × (2.7xET) ***** Minimum value of C ₂ = 3.5 S17 S18 S19 S20

Standard	Reference	Criteria			
		Duty pump capacity	5 x ADWF	Standby pump of equivalent duty is to be provide d.	Formatted: Appendix heading
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	Standard	Reference	Criteria				
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			Duty pump capacity	4 x ADWF	Standby pump of equivalent duty is to be provide d		Formatted: Appendix heading
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Schedule 6

vdraulic equ	ations		
ravity	ations		
		Flow Equation for Gravity Sewers = Mannings	
		Mannings Hydraulic Roughness Coefficient (n	
		Material	Manning's n
		Cement Mortar	0.013
		Ceramics	0.014
		Smooth Concrete	0.012
	S24	Normal Concrete	0.013
	024	Rough Concrete	0.015
		Iron (cast)	0.014
		Iron (wrought)	0.015
		PVC / Plastic / PE	0.013
		Stone	0.013
		Vitrified Clay	0.014
		•	
ressure			
		Flow Equation for Sewer Pressure Mains = Haz Hazen Williams Roughness Coefficient (C Valu	en Williams e)
		Material	Roughness (C Value)
		Cement Mortar	130
		Ceramics	110
		Smooth Concrete	140
		Normal Concrete	130
	\$25	Rough Concrete	100
		Iron (cast)	110
		Iron (wrought)	100
		PVC / Plastic / PE	130
		Stone	130
	1	Julio	130
		Vitrified Clay	110

Table SC6 20N	Average day diurnal profiles (tabular format)

Properties /											
ref - P04-3a	H					ref - R04	a				
Time S	FR	MFR	COM	IND	RUR	Time	SFR	MFR	COM	IND	RUR •
0:00 0.	.23	0.23	0.53	0.18	0.23	0:00	0.24	0.28	0.53	0.18	0.24 ◆
1:00 0.	.20	0.20	0.53	0.12	0.20	1:00	0.16	0.21	0.53	0.12	0.16 ◆
2:00 0.	.17	0.17	0.53	0.13	0.17	2:00	0.15	0.20	0.53	0.13	0.15 ◆
3:00 0.	.22	0.22	0.55	0.32	0.22	3:00	0.16	0.23	0.55	0.32	0.16 •
4:00 O.	.35	0.35	0.55	0.64	0.35	4:00	0.22	0.32	0.55	0.64	0.22
5:00 O.	.61	0.61	0.63	1.01	0.61	5:00	0.49	0.62	0.63	1.01	0.49
6:00 1.	.15	1.15	0.87	1.25	1.15	6:00	1.06	1.16	0.87	1.25	1.06 ◆
7:00 1.	.60	1.60	1.23	1.36	1.60	7:00	1.43	1.50	1.23	1.36	1.43 ◆
8:00 1.	.70	1.70	1.39	1.45	1.70	8:00	1.57	1.60	1.39	1.45	1.57 ◆
9:00 1.	.60	1.60	1.40	1.50	1.60	9:00	1.44	1.51	1.40	1.50	1.44
10:00 1.	.40	1.40	1.40	1.50	1.40	10:00	1.09	1.25	1.40	1.50	1.09 ◆
11:00 1.	.25	1.25	1.40	1.50	1.25	11:00	0.86	0.98	1.40	1.50	0.86
12:00 1.	.19	1.19	1.40	1.50	1.19	12:00	0.72	0.87	1.40	1.50	0.72
13:00 1.	.15	1.15	1.40	1.50	1.15	13:00	0.72	0.86	1.40	1.50	0.72 ◆
14:00 1.	.17	1.17	1.40	1.50	1.17	14:00	0.81	0.94	1.40	1.50	0.81
15:00 1.	.24	1.24	1.40	1.46	1.24	15:00	1.06	1.07	1.40	1.46	1.06 ◆
16:00 1.	.38	1.38	1.40	1.42	1.38	16:00	1.81	1.48	1.40	1.42	1.81 ◆

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-Properti	es AD Diur	nal Profile	s (Potable	Water)		Propertie	s AD Diurr	nal Profiles	(Recycled	-Water)		
ref - P04-3a					ref – R04a							
Time	SFR	MFR	COM	- DAI	RUR	Time	SFR	MFR	COM	IND	RUR	4
17:00	1.48	1.48	1.38	1.35	1.48	17:00	2.60	2.10	1.38	1.35	2.60	4
18:00	1.51	1.51	1.30	1.20	1.51	18:00	2.80	2.30	1.30	1.20	2.80	4
19:00	1.37	1.37	0.96	1.04	1.37	19:00	2.44	2.08	0.96	1.04	2.44	•
20:00	1.12	1.12	0.71	0.84	1.12	20:00	1.15	1.18	0.71	0.84	1.15	4
21:00	0.86	0.86	0.56	0.62	0.86	21:00	0.51	0.57	0.56	0.62	0.51	•
22:00	0.60	0.60	0.53	0.42	0.60	22:00	0.27	0.32	0.53	0.42	0.27	•
23:00	0.39	0.39	0.53	0.26	0.39	23:00	0.24	0.28	0.53	0.26	0.24	•
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Schedule 6

Risk Category	Odour Parameter Buffer Distance	Retention Time	Sewage Characteristics	
High	Less than 20 m	Greater than 2 hours	Higher strength sewage e.g.	Formatted: Appendix heading
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Risk Category	Odour Parameter Buffer Distance	Retention Time	Sewage Characteristics
			Quality of Sewage
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Schedule 6

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Part 1	Preliminary Preliminary	
1.1 Structure		
(1) This docum	ent which specifies instructions for the preparation of the Affordable Living Plan is structured as follows:-	Formatted: Appendix heading, No bullets or numbering
	←	Formatted: Appendix heading
(a) Part 2 provi	des an overview of the requirements for the proposed Affordable Living Plan; and	Formatted: Appendix heading, No bullets or numbering
		Formatted: Appendix heading
(b) Part 3 speci	fies the required content and information to be included in the proposed Affordable Living Plan, and the preferred format for an Affordable Living Plan.	Formatted: Appendix heading, No bullets or numbering
	•	Formatted: Appendix heading
Part 2	Overview and requirements for an affordable living plan	
2.1 Purpose		
(1) The purpos	e of the Affordable Living Plan is to demonstrate that development undertaken in accordance with a	Formatted: Appendix heading, No bullets or numbering
	preliminary approval application to which section 242	
	of the Act applies, if approved, will provide Affordable	
	Living options for a full range of household types and	
	make appropriate provision for a component of	
	Affordable Housing and supported community housing.	Formatted: Appendix heading
2.2 General req	uirements	Torniatted: Appendix Heading
(4) The Affords	ble Living Plan is to demonstrate how development	Formatted: Appendix heading, No
(+) THE AHORG	proposed to be undertaken by the Landowner will meet	bullets or numbering
	the Affordable Living Outcomes specified in the	Formatted: Appendix heading
	Palmview Structure Plan in relation to the following	Formatted: Appendix heading, No
	matters (Affordable Living Actions):-	bullets or numbering
	•//	Formatted: Appendix heading
	ood structure and design;	Formatted: Appendix heading, No bullets or numbering
(L) previous si	f a variety of housing types and sizes which meet the needs	Formatted: Appendix heading
(a) provision o		
(b) Provision o'	of the emerging community;	Formatted: Appendix heading, No bullets or numbering
	of the emerging community; release of land;	
(c) staging and	√ /	bullets or numbering Formatted: Appendix heading Formatted: Appendix heading, No bullets or numbering
(d) staging and	release of land; f land for public housing and community housing; and	bullets or numbering Formatted: Appendix heading Formatted: Appendix heading, No bullets or numbering Formatted: Appendix heading
(c) staging and	release of land; f land for public housing and community housing; and	bullets or numbering Formatted: Appendix heading Formatted: Appendix heading, No bullets or numbering
(c) staging and (d) provision of (e) sustainable	release of land; f land for public housing and community housing; and	bullets or numbering Formatted: Appendix heading Formatted: Appendix heading, No bullets or numbering Formatted: Appendix heading Formatted: Appendix heading, No
(c) staging and (d) provision of (e) sustainable	release of land; f land for public housing and community housing; and design. ble Living Plan is to describe and provide justification and reasoning for the proposed Affordable Living Actions,	bullets or numbering Formatted: Appendix heading, No bullets or numbering
(c) staging and (d) provision of (e) sustainable	release of land; f land for public housing and community housing; and design. ble Living Plan is to describe and provide justification and	bullets or numbering Formatted: Appendix heading Formatted: Appendix heading, No bullets or numbering Formatted: Appendix heading, No bullets or numbering Formatted: Appendix heading, No bullets or numbering Formatted: Appendix heading Formatted: Appendix heading, No

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Sunshine Coast Planning Scheme 2014

the ongoing implementation and enforcement of the Affordable Living Actions.

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Schedule 6

3) For each p	roposed Affordable Living Action, the Affordable Living Plan- is to describe the following:-	Formatted: Appendix heading, No bullets or numbering
_	←	Formatted: Appendix heading
a) the purpos	e and priority objective of the Affordable Living Action;	Formatted: Appendix heading, No bullets or numbering
) the roles a	nd responsibilities of the Landowner in implementing the	Formatted: Appendix heading
	Affordable Living Actions in accordance with the Affordable Living Plan;	Formatted: Appendix heading, No bullets or numbering
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e) all timeframes associated with the implementation of the Affordable Living Actions in accordance Affordable Living Plan;		Formatted: Appendix heading, No bullets or numbering
	4	Formatted: Appendix heading
how the Af	fordable Living Actions are to be resourced; and	Formatted: Appendix heading, No bullets or numbering
) any fundin	g requirements or arrangements under the Affordable Living	Formatted: Appendix heading
	Plan.	Formatted: Appendix heading, No bullets or numbering
.3 Drafting gu	uidelines and preferred table of contents for affordable living ←	Formatted: Appendix heading
• -	plan	Formatted: Appendix heading, Indent Left: 0 cm, First line: 0 cm
) An Afforda	ble Living Plan is to comply with the Council's drafting	Formatted: Appendix heading
,	guidelines in Table SC6.20P (Affordable living plan drafting guidelines) and the structure for an Affordable	Formatted: Appendix heading, No bullets or numbering
	Living Plan specified in Table SC6.20Q (Affordable living plan preferred table of contents).	
	Living Plan specified in Table SC6.20Q (Affordable living plan preferred table of contents).	Formatted: Appendix heading
2) The Afford	plan preferred table of contents). able Living Plan is to be prepared by a competent person	Formatted: Appendix heading Formatted: Appendix heading, No bullets or numbering
2) The Afford	plan preferred table of contents).	Formatted: Appendix heading, No
2) The Afford	plan preferred table of contents). able Living Plan is to be prepared by a competent person with a disciplinary background relevant to the areas of	Formatted: Appendix heading, No
	plan preferred table of contents). able Living Plan is to be prepared by a competent person with a disciplinary background relevant to the areas of	Formatted: Appendix heading, No bullets or numbering
The Afford Table SC6.20P Structure	plan preferred table of contents). able Living Plan is to be prepared by a competent person with a disciplinary background relevant to the areas of neighbourhood design, housing and density.	Formatted: Appendix heading, No bullets or numbering
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1.	Preliminary	4
1.1	Requirement for Affordable Living Plan	7
1.2	Land subject to Affordable Living Plan	7
1.3	Objectives of Affordable Living Plan	7
1.4	Content of Affordable Living Plan	7
1.5	Summary of Obligations Under Affordable Living Plan	4
1.6	Summary of how the Proposed Development proposes to	1
	meet the Affordable Living Outcomes	
	under the Affordable Living Plan	
1.7	When development to be undertaken in accordance with	1
	Affordable Living Plan is to be completed	
2.	Description of Affordable Living Actions	1
2.1	Introduction and Definition of Affordable Living Actions	4
2.2	Description of Affordable Living Actions (neighbourhood	1
	structure and design)	
2.3	Description of Affordable Living Actions (housing types and	1
	sizes)	
2.4	Description of Affordable Living Actions (staging and release	1
	of land)	
2.5	Description of Affordable Living Actions (provision of land for	1
	Public Housing and community housing)	
2.6	Description of Affordable Living Actions (sustainable design)	1
3.	Justification for Affordable Living Actions	1
3.1	Introduction	1
3.2	Justification for Affordable Living Actions by reference to the	1
	Affordable Living Outcomes	
3.3	Justification for Affordable Living Actions by reference to the	1
	Sunshine Coast Housing Needs	
	Assessment and the Sunshine Coast	
0.4	Affordable Living Strategy	4
3.4	Justification for Affordable Living Actions by reference to	1
4	research undertaken	_
4.	Nature of Obligations	1
4.1	Introduction Planting	1
4 .2	Nature of obligations of Affordable Living Plan in respect of	1
_	applicable area	4
5.	Security of Obligations	1
5.1	Introduction	1
5.2	How Applicant will secure performance of obligations under Affordable Living Plan	
6.	Monitoring and reporting	4

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6.1	Introduction	-	Formatted: Appendix heading
6.2	How Applicant will monitor and report on progress of Affordable Living Actions and compliance with Affordable Living Plan	•	Formatted: Appendix heading
7.	Affordable Living Plan Maps		Formatted: Appendix heading
8.	Other		Formatted: Appendix heading
Part 3	Specific matters to be addressed in Affordable Living Plan		Formatted: Appendix heading
3.1 Prelim	•		Formatted: Appendix heading, No bullets or numbering
(1) Requi	rement for Affordable Living Plan:-	1	Formatted: Appendix heading
(a) descri	ibe under what instruments an Affordable Living Plan is required	L.	Formatted: Appendix heading, No bullets or numbering
(2) Land	subject to Affordable Living Plan:-		Formatted: Appendix heading Formatted: Appendix heading, No bullets or numbering
(a) descri	ibe the Land subject to the Affordable Living Plan.	•	Formatted: Appendix heading
(3) Objec	tives of Affordable Living Plan:-		Formatted: Appendix heading, No bullets or numbering
	d 1		Formatted: Appendix heading
(a) State 1	the objectives and proposed outcomes of the Affordable Living Plan, with reference to the following:-		Formatted: Appendix heading, No bullets or numbering
	unshine Coast Housing Needs Assessment;		Formatted: Appendix heading Formatted: Appendix heading, No bullets or numbering
	unshine Coast Affordable Living Strategy; anning scheme policy for the Palmview Structure Plan; and		Formatted: Appendix heading
	alming scheme policy for the Palmylew Structure Plan; and almylew Structure Plan ; and		Formatted: Appendix heading, No bullets or numbering
(b) for ex	ample, Performance Outcome PO30 of 10.3.4.3 (Performance		Formatted: Appendix heading
	outcomes and acceptable outcomes for the whole of the Master Planned Area) in the Palmview Structure Plan		Formatted: Appendix heading, No bullets or numbering
	provides that "Development contributes to housing		Formatted: Appendix heading
	affordability and promotes affordable living."		Formatted: Appendix heading, No bullets or numbering
(4) Conte	nt of Affordable Living Plan:-		Formatted: Appendix heading Formatted: Appendix heading, No
(a) provid	de an overview of the content of the Affordable Living Plan.		.
(5) Summ	nary of Obligations Under Affordable Living Plan:-	7	Formatted: Appendix heading, No
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Affordable Living Plan.

provide a summary of the obligations of the Landowner under the

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Summary of how the proposed development proposes to meet the Affordable Living Outcomes under the Affordable **Living Plan:**provide a summary of how the Proposed Development proposes to meet the Affordable Living Outcomes under the Affordable Living Plan. for example, the acceptable outcomes for achieving Performance Outcome PO30 of Section 10.3.4.3 (Performance outcomes and acceptable outcomes for the whole of the master planned area) of the Palmview Structure Plan include the following:-Acceptable Outcome AO30.1 Development provides a minimum of 12.5% of housing as affordable housing and may encompass the following:social housing; private rental and long term affordable rental through communitybased organisations; and private purchase. Acceptable Outcome AO30.2 Development provides for affordable housing that is dispersed and not concentrated in any one neighbourhood; Acceptable Outcome AO30.3 Development provides for affordable housing to be located within 800 metres of the District Activity Centre or 400 metres of a Local Activity Centre; Acceptable Outcome AO30.4 Development provides for non-Government community housing. Where advance commitment of funds is not possible, flexibility is retained to permit eventual spot purchase for community housing; and Acceptable Outcome AO30.5 Development does not provide for restrictive covenants which specify a minimum floor area for residential uses; and when development to be undertaken in accordance with Affordable Living Plan is to be complete:state when the development to be undertaken in accordance with the Affordable Living Plan is to be complete, and within which sub-sectors. **Description of Affordable Living Actions** Introduction and definition of Affordable Living Actions:-

introduce the concept of the Affordable Living Actions (being any of

Living Plan, including any obligations of the

the actions required to give effect to the Affordable

Landowner, as outlined in the Affordable Living Plan);

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(b) provide an overview of how the Landowner proposes to deliver the Affordable Living Actions, and in particular the Affordable Housing; and	Formatted: Appendix heading, No bullets or numbering
	Formatted: Appendix heading
(c) for each Affordable Living Action specified in this section, describe the following:-	Formatted: Appendix heading, No bullets or numbering
	Formatted: Appendix heading
(i) the purpose and priority objective of the Affordable Living Action;	Formatted: Appendix heading, No
(ii) the roles and responsibilities of the Landowner in implementing the	bullets or numbering
Affordable Living Actions in accordance with the Affordable Living Plan;	
all timeframes associated with the implementation of the Affordable	
Living Actions in accordance with the Affordable Living Plan;	}
how the Affordable Living Actions are to be resourced; and	
(v) any funding requirements or arrangements for the Affordable Living Actions.	
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(2) Description of Affordable Living Actions:-	Formatted: Appendix heading, No
	bullets or numbering
(a) provide a detailed description of each of the Affordable Living Actions	
relating to neighbourhood structure and design, housing types and sizes, staging and release of land,	Formatted: Appendix heading, No bullets or numbering
provision of land for community housing and sustainable design.	
3.3 Justification for Affordable Living Actions	Formatted: Appendix heading
and the second s	
(1) Introduction:-	Formatted: Appendix heading, No bullets or numbering
(a) describe the importance of the Affordable Living Actions and how they	Formatted: Appendix heading
are significant to meet the objectives and proposed outcomes of the applicable area.	Formatted: Appendix heading, No bullets or numbering
••	Formatted: Appendix heading
(2) Justification for Affordable Living Actions by reference to the Affordable Living Outcomes, the Palmview Structure	Formatted: Appendix heading, No bullets or numbering
Plan and the Planning scheme policy for the Palmview Structure Plan:-	
	Formatted: Appendix heading
(a) provide justification for Affordable Living Actions by reference to the objective and proposed outcomes stated in the	Formatted: Appendix heading, No bullets or numbering
Affordable Living Outcomes, the Palmview Structure Plan and the planning scheme policy.	
(a) Luctification for Affordable Living Actions benefores to the	Formatted: Appendix heading
(3) Justification for Affordable Living Actions by reference to the Sunshine Coast Housing Needs Assessment and the	Formatted: Appendix heading, No bullets or numbering
Sunshine Coast Affordable Living Strategy:-	2
() manyida iyatifi astian fan Affandalda I hele û Ardena I	Formatted: Appendix heading
(a) provide justification for Affordable Living Actions by reference to the objectives and proposed outcomes of Sunshine Coast	Formatted: Appendix heading, No bullets or numbering
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Housing Needs Assessment and the Sunshine Coast Affordable Living Strategy.

(4) Justification for Affordable Living Actions by reference to research undertaken by the Landowner:-

(a) provide justification for Affordable Living Actions by reference to any additional research undertaken by the Landowner in respect of housing affordability needs of the area.

3.4 Nature of obligations

(1) Introduction:-

(a) generally describe how the obligation of the applicant to provide

Affordable Living Actions are binding on or attach to
the applicant and the Land; and

(2) Nature of obligations of Affordable Living Plan in respect of the applicable area:-

(a) describe in more detail the nature of the obligations of the Landowner
to provide Affordable Living Actions, and if and how
these obligations relate to the Landowner, the Land,
any subsequent owners of the Land and any parties
with interests in the Land, including but not limited to
the following matters:-

(i) can the Landowner Use or permit to be Used any of the Affordable
Housing Units for any purpose other than of the
provision of Affordable Housing;

what happens if a chargee (e.g. bank) wants to dispose of Affordable
Housing Units in the event of a default - will it have
obligations to the Council? Therefore, will the chargee
have to have an agreement with the Council to make
the obligations binding; and

will an obligation not to use affordable housing units other than for affordable housing be binding on other parties (e.g. what if transferred to Council? Will it be binding on chargees?);

3.5 Security of obligations

(1) Introduction:-

(a) introduce concept of security and why it is required to be provided by the applicant (for example to ensure that the Affordable Living Plan is delivered in a timely manner in order to meet the stated objectives).

2) How Landowner will secure performance of obligations under Affordable Living Plan:- Formatted: Appendix heading

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a) describe if any additional security to that required under the Infrastructure Agreement will be required to be provided by the Landowner to secure the performance of the Affordable Living Actions by the Landowner. If so, provide details of how the security will operate, for example, amount of security, type of security, when security needs to be provided, when the security will be released, any provision to change the amount of security.

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3.6 Monitoring and Reporting

(1) Introduction:-

(a) describe why monitoring and reporting on the progress of Affordable
Living Actions and compliance with Affordable Living
Plan is required.

(2) How the Landowner will monitor and report on progress of Affordable
Living Actions and compliance with Affordable Living
Plan:-

outline the proposed monitoring and reporting arrangements for the implementation of the Affordable Living Plan over time.

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Schedule 6

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