

Assessment of application against relevant Development Codes

APPLICATION DETAILS

APPLICATION		PREMISES	
FILE NO:	OPW/18/0013	ADDRESS:	244 Kanervo Road, Koah
APPLICANT:	P Gibbs	RPD:	Lot 17 on SP219912
LODGED BY:	Flanagan Consulting Group	AREA:	n/a
DATE LODGED:	25 October 2018	OWNER:	P Gibbs
TYPE OF APPROVAL:	Development Permit		
PROPOSED DEVELOPMENT:	Operational Works (Roadworks & Drainage Works) for Development Permit DA/15/0045		
PLANNING SCHEME:	Mareeba Shire Council Planning Scheme 2016		
ZONE:	Rural		
LEVEL OF ASSESSMENT:	Code Assessment		
SUBMISSIONS:	n/a - Code assessment only		

Relevant Development Codes

The following Development Codes are considered to be applicable to the assessment of the application:

- 6.2.9 Rural zone code
- 9.4.4 Reconfiguring a lot code
- 9.4.5 Works, services and infrastructure code

6.2.9 Rural zone code

6.2.9.1 Application

- (1) This code applies to assessing development where:
 - (a) located in the Rural zone; and
 - (b) it is identified in the assessment benchmarks for assessable development and requirements for accepted development column of an assessment table in Part 5 of the planning scheme.

6.2.9.2 Purpose

- (1) The purpose of the Rural zone code is to:
 - (a) provide for rural uses including cropping, intensive horticulture, intensive animal industries, animal husbandry, animal keeping and other primary production activities;
 - (b) provide opportunities for non-rural uses that are compatible with agriculture, the environmental features, and landscape character of the rural area where the uses do not compromise the long-term use of the land for rural purposes;
 - (c) protect or manage significant natural resources and processes to maintain the capacity for primary production.
- (2) Mareeba Shire Council's purpose of the Rural zone code is to recognise the importance of primary production to the economy of the region and to maintain and strengthen the range of primary industries which contribute to the rural economy.

The purpose of the Rural zone code is to:

- (a) recognise the diversity of rural uses that exists throughout the region;
 - (b) protect the rural character of the region;
 - (c) provide facilities for visitors and tourists that are accessible and offer a unique experience;
 - (d) protect the infrastructure of the Mareeba-Dimbulah Irrigation Scheme Area from development which may compromise long term use for primary production;
 - (e) maintain distinct boundaries between the rural areas and the villages, towns and urban areas of the region;
 - (f) provide for a range of uses, compatible and associated with rural or ecological values including recreational pursuits and tourist activities;
 - (g) prevent adverse impacts of development on ecological values;
 - (h) preserve land in large holdings; and
 - (i) facilitate the protection of strategic corridors across the landscape which link remnant areas of intact habitat and transport corridors.
- (3) The purpose of the Rural zone code will be achieved through the following overall outcomes:
 - (a) Areas for use for primary production are conserved and fragmentation below economically viable lot sizes is avoided;
 - (b) The establishment of a wide range of rural pursuits is facilitated, including cropping, intensive horticulture, forestry, intensive animal industries, animal husbandry and animal keeping and other compatible primary production uses;
 - (c) The establishment of extractive industries, mining and associated activities and alternative forms of energy generation is appropriate where environmental impacts and land use conflicts are minimised;
 - (d) Uses that require isolation from urban areas as a consequence of their impacts such as noise or odour may be appropriate where land use conflicts are minimised;

- (e) Development is reflective of and responsive to the environmental constraints of the land;
- (f) Residential and other development is appropriate only where directly associated with the rural nature of the zone;
- (g) Low-impact tourism and recreation activities do not compromise the long-term use of the land for rural purposes;
- (h) The viability of both existing and future rural uses and activities is protected from the intrusion of incompatible uses;
- (i) Visual impacts of clearing, building, materials, access ways and other aspects of development are minimised or appropriately managed;
- (j) Adverse impacts of development both on-site and from adjoining areas are avoided and any impacts are minimised through location, design, operation and management; and
- (k) Natural features such as creeks, gullies, waterways, wetlands and bushland are retained, managed, enhanced and separated from adjacent development.

6.2.9.3 Criteria for assessment

Table 6.2.9.3—Rural zone code - For accepted development subject to requirements and assessable development

Performance outcomes	Acceptable outcomes	Complies	Comments
For accepted development subject to requirements and assessable development			
Height			
PO1 Building height takes into consideration and respects the following: <ul style="list-style-type: none"> (a) the height of existing buildings on adjoining premises; (b) the development potential, with respect to height, on adjoining premises; (c) the height of buildings in the vicinity of the site; (d) access to sunlight and daylight for the site and adjoining sites; (e) privacy and overlooking; and (f) site area and street frontage length. 	AO1.1 Development, other than buildings used for rural activities, has a maximum building height of: <ul style="list-style-type: none"> (a) 8.5 metres; and (b) 2 storeys above ground level. 	n/a	Not applicable.
	AO1.2 Buildings and structures associated with a rural activity including machinery, equipment, packing or storage buildings do not exceed 10 metres in height.	n/a	Not applicable.
Siting, where not involving a Dwelling house			
Note—Where for Dwelling house, the setbacks of the Queensland Development Code apply.			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p>PO2 Development is sited in a manner that considers and respects:</p> <ul style="list-style-type: none"> (a) the siting and use of adjoining premises; (b) access to sunlight and daylight for the site and adjoining sites; (c) privacy and overlooking; (d) air circulation and access to natural breezes; (e) appearance of building bulk; and (f) relationship with road corridors. 	<p>AO2.1 Buildings and structures include a minimum setback of:</p> <ul style="list-style-type: none"> (a) 40 metres from a frontage to a State-controlled road; and (b) 10 metres from a boundary to an adjoining lot. 	n/a	Not applicable.
	<p>AO2.2 Buildings and structures, where for a Roadside stall, include a minimum setback of 0 metres from a frontage to a road that is not a State-controlled road.</p>	n/a	Not applicable.
	<p>AO2.3 Buildings and structures, except where a Roadside stall, include a minimum setback of:</p> <ul style="list-style-type: none"> (a) 10 metres from a frontage to a sealed road that is not a State-controlled road; and (b) 100 metres from a frontage to any other road that is not a State-controlled road; 	n/a	Not applicable.
Accommodation density			
<p>PO3 The density of Accommodation activities:</p> <ul style="list-style-type: none"> (a) respects the nature and density of surrounding land use; (b) is complementary and subordinate to the rural and natural landscape values of the area; and (c) is commensurate to the scale and frontage of the site. 	<p>AO3.1 Residential density does not exceed one dwelling house per lot.</p>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
	<p>AO3.2 Residential density does not exceed two dwellings per lot and development is for:</p> <ul style="list-style-type: none"> (a) a secondary dwelling; or (b) Caretaker's accommodation and includes building work or minor building work with a maximum gross floor area of 100m²; or (c) Rural worker's accommodation. 	n/a	Not applicable.
For assessable development			
Site cover			
<p>PO4 Buildings and structures occupy the site in a manner that:</p> <ul style="list-style-type: none"> (a) makes efficient use of land; (b) is consistent with the bulk and scale of buildings in the surrounding area; and (c) appropriately balances built and natural features. 	<p>AO4 No acceptable outcome is provided.</p>	n/a	Not applicable.
<p>PO5 Development complements and integrates with the established built character of the Rural zone, having regard to:</p> <ul style="list-style-type: none"> (a) roof form and pitch; (b) eaves and awnings; (c) building materials, colours and textures; and (d) window and door size and location. 	<p>AO5 No acceptable outcome is provided.</p>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
Amenity			
<p>PO6 Development must not detract from the amenity of the local area, having regard to:</p> <ul style="list-style-type: none"> (a) noise; (b) hours of operation; (c) traffic; (d) advertising devices; (e) visual amenity; (f) privacy; (g) lighting; (h) odour; and (i) emissions. 	<p>AO6 No acceptable outcome is provided.</p>	n/a	Not applicable.
<p>PO7 Development must take into account and seek to ameliorate any existing negative environmental impacts, having regard to:</p> <ul style="list-style-type: none"> (a) noise; (b) hours of operation; (c) traffic; (d) advertising devices; (e) visual amenity; (f) privacy; (g) lighting; (h) odour; and (i) emissions. 	<p>AO7 No acceptable outcome is provided.</p>	n/a	Not applicable.

9.4.4 Reconfiguring a lot code

9.4.4.1 Application

- (1) This code applies to assessing development where:
 - (a) for Reconfiguring a lot; and
 - (b) it is identified in the assessment benchmarks for assessable development and requirements for accepted development column of an assessment table in Part 5 of the planning scheme.

9.4.4.2 Purpose

- (1) The purpose of the Reconfiguring a lot code is to ensure that land is:
 - (a) arranged in a manner which is consistent with the intended scale and intensity of development within the area;
 - (b) provided with access to appropriate movement and open space networks; and
 - (c) contributes to housing diversity and accommodates a range of land uses.
- (2) The purpose of the code will be achieved through the following overall outcomes:
 - (a) Subdivision of land achieves the efficient use of land and the efficient provision of infrastructure and transport services;
 - (b) Lots are of a suitable size and shape for the intended or potential use having regard to the purpose and overall outcomes of the relevant zone or precinct.
 - (c) Subdivision of land creates lots with sufficient area and dimensions to accommodate the ultimate use, meet user requirements, protect environmental features and account for site constraints;
 - (d) A range and mix of lot sizes is provided to facilitate a variety of industry and housing types;
 - (e) Subdivision design incorporates a road network that provides connectivity and circulation for vehicles and provide safe and efficient access for pedestrians, cyclists and public transport;
 - (f) Subdivision design provides opportunities for walking and cycling for recreation and as alternative methods of travel;
 - (g) Subdivision of land provides and integrates a range of functional parkland, including local and district parks and open space links for the use and enjoyment of the residents of the locality and the shire;
 - (h) Subdivision of land contributes to an open space network that achieves connectivity along riparian corridors and between areas with conservation values;
 - (i) Subdivision within the Rural zone maintains rural landholdings in viable parcels;
 - (j) Land in historical townships is not reconfigured to be used for urban purposes; and
 - (k) Residential subdivision and greenfield development is designed to consider and respect:
 - i. topography;
 - ii. climate responsive design and solar orientation;
 - iii. efficient and sustainable infrastructure provision;
 - iv. environmental values;
 - v. water sensitive urban design;
 - vi. good quality agricultural land; and
 - vii. the character and scale of surrounding development.

9.4.4.3 Criteria for assessment

Table 9.4.4.3A—Reconfiguring a lot code – For assessable development

Performance outcomes	Acceptable outcomes	Complies	Comments
Area and frontage of lots			
<p>PO1 Lots include an area and frontage that:</p> <p>(a) is consistent with the design of lots in the surrounding area;</p> <p>(b) allows the desired amenity of the zone to be achieved;</p> <p>(c) is able to accommodate all buildings, structures and works associated with the intended land use;</p> <p>(d) allow the site to be provided with sufficient access;</p> <p>(e) considers the proximity of the land to:</p> <p>(i) centres;</p> <p>(ii) public transport services; and</p> <p>(iii) open space; and</p> <p>(f) allows for the protection of environmental features; and</p> <p>(g) accommodates site constraints.</p>	<p>AO1.1 Lots provide a minimum area and frontage in accordance with Table 9.4.4.3B.</p>	n/a	Not applicable at operational works stage. Lots approved under development permit DA/15/0045 comply with minimum lot size.
Existing buildings and easements			
<p>PO2 Reconfiguring a lot which contains existing land uses or existing buildings and structures ensures:</p> <p>(a) new lots are of sufficient area and dimensions to accommodate existing land uses, buildings and structures; and</p> <p>(b) any continuing use is not compromised by the reconfiguration.</p>	<p>AO2.1 Each land use and associated infrastructure is contained within its individual lot.</p>	n/a	Not applicable at operational works stage.
	<p>AO2.2 All lots containing existing buildings and structures achieve the setback requirements of the relevant zone.</p>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
<p>PO3 Reconfiguring a lot which contains an existing easement ensures:</p> <p>(a) future buildings, structures and accessways are able to be sited to avoid the easement; and</p> <p>(b) the reconfiguration does not compromise the purpose of the easement or the continued operation of any infrastructure contained within the easement.</p>	<p>AO3 No acceptable outcome is provided.</p>	n/a	Not applicable.
Boundary realignment			
<p>PO4 The boundary realignment retains all attendant and existing infrastructure connections and potential connections.</p>	<p>AO4 No acceptable outcome is provided.</p>	n/a	Not applicable.
Access and road network			
<p>PO5 Access to a reconfigured lot (including driveways and paths) must not have an adverse impact on:</p> <p>(a) safety;</p> <p>(b) drainage;</p> <p>(c) visual amenity;</p> <p>(d) privacy of adjoining premises; and</p> <p>(e) service provision.</p>	<p>AO5 No acceptable outcome is provided.</p>	✓	Complies.

Performance outcomes	Acceptable outcomes	Complies	Comments
<p>PO6 Reconfiguring a lot ensures that access to a lot can be provided that:</p> <ul style="list-style-type: none"> (a) is consistent with that provided in the surrounding area; (b) maximises efficiency and safety; and (c) is consistent with the nature of the intended use of the lot. <p>Note—The Parking and access code should be considered in demonstrating compliance with PO6.</p>	<p>AO6 Vehicle crossover and access is provided in accordance with the design guidelines and specifications set out in Planning Scheme Policy 4 – FNQROC Regional Development Manual.</p>	✓	Will be conditioned to comply.
<p>PO7 Roads in the Industry zone are designed having regard to:</p> <ul style="list-style-type: none"> (a) the intended use of the lots; (b) the existing use of surrounding land; (c) the vehicular servicing requirements of the intended use; (d) the movement and turning requirements of B-Double vehicles. <p>Note—The Parking and access code should be considered in demonstrating compliance with PO7.</p>	<p>AO7 No acceptable outcome is provided.</p>	n/a	Not applicable.
Rear lots			
<p>PO8 Rear lots are designed to:</p> <ul style="list-style-type: none"> (a) provide a high standard of amenity for residents and other users of the site; (b) provide a high standard of amenity for adjoining properties; and (c) not adversely affect the 	<p>AO8.1 Rear lots are designed to facilitate development that adjoins or overlooks a park or open space.</p>	n/a	Not applicable.
	<p>AO8.2 No more than two rear lots are created behind any lot with a road frontage.</p>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
safety and efficiency of the road from which access is gained.	AO8.3 Access to lots is via an access strip with a minimum width of: (a) 4 metres where in the Low density residential zone or Medium density residential zone; or (b) 8 metres otherwise.	n/a	Not applicable.
	AO8.4 A single access strip is provided to a rear lot along one side of the lot with direct frontage to the street. Note—Figure A provides further guidance in relation to the desired outcome.	n/a	Not applicable.
	AO8.5 No more than 1 in 10 lots created in a new subdivision are rear lots.	n/a	Not applicable.
	AO8.6 Rear lots are not created in the Centre zone or the Industry zone.	n/a	Not applicable.
Crime prevention and community safety			
PO9 Development includes design features which enhance public safety and seek to prevent opportunities for crime, having regard to: (a) sightlines; (b) the existing and intended pedestrian movement network; (c) the existing and intended land use pattern; and (d) potential entrapment locations.	AO9 No acceptable outcome is provided.	✓	Complies - The proposed operational works will enhance safety and visibility along this section of Kanervo Road.
Pedestrian and cycle movement network			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p>PO10 Reconfiguring a lot must assist in the implementation of a Pedestrian and cycle movement network to achieve safe, attractive and efficient pedestrian and cycle networks.</p>	<p>AO10 No acceptable outcome is provided.</p>	n/a	Not applicable.
Public transport network			
<p>PO11 Where a site includes or adjoins a future public transport corridor or future public transport site identified through a structure planning process, development:</p> <p>(a) does not prejudice the future provision of the identified infrastructure;</p> <p>(b) appropriately treats the common boundary with the future corridor; and</p> <p>(c) provides opportunities to integrate with the adjoining corridor where a it will include an element which will attract pedestrian movement.</p>	<p>AO11 No acceptable outcome is provided.</p>	n/a	Not applicable.
Residential subdivision			
<p>PO12 Residential lots are:</p> <p>(a) provided in a variety of sizes to accommodate housing choice and diversity; and</p> <p>(b) located to increase variety and avoid large areas of similar lot sizes.</p>	<p>AO12 No acceptable outcome is provided.</p>	n/a	Not applicable.
Rural residential zone			
<p>PO13 New lots are only created in the Rural residential zone where land is located within the 4,000m² precinct, the 1 hectare precinct or the 2 hectare precinct.</p>	<p>AO13 No acceptable outcome is provided.</p>	n/a	Not applicable.
Additional provisions for greenfield development only			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p>PO14 The subdivision design provides the new community with a local identity by responding to:</p> <ul style="list-style-type: none"> (a) site context (b) site characteristics (c) setting (d) landmarks (e) natural features; and (f) views. 	<p>AO14 No acceptable outcome provided.</p>	n/a	Not applicable.
<p>PO15 The road network is designed to provide a high level of connectivity, permeability and circulation for local vehicles, public transport, pedestrians and cyclists.</p>	<p>AO15 No acceptable outcome provided.</p>	n/a	Not applicable.
<p>PO16 The road network is designed to:</p> <ul style="list-style-type: none"> (a) minimise the number of cul-de-sacs; (b) provide walkable catchments for all residents in cul-de-sacs; and (c) include open cul-de-sacs heads. <p>Note—Figure B provides further guidance in relation to the desired outcome.</p>	<p>AO16 No acceptable outcome provided.</p>	n/a	Not applicable.
<p>PO17 Reconfiguring a lot provides safe and convenient access to the existing or future public transport network.</p>	<p>AO17 The subdivision locates 90% of lots within 400 metres walking distance of a future public transport route.</p>	n/a	Not applicable.
<p>PO18 The staging of the lot reconfiguration prioritises delivery of link roads to facilitate efficient bus routes.</p>	<p>AO18 No acceptable outcome provided.</p>	n/a	Not applicable.
<p>PO19 Provision is made for sufficient open space to:</p> <ul style="list-style-type: none"> (a) meet the needs of the occupiers of the lots and 	<p>AO19.1 A minimum of 10% of the site area is dedicated as open space.</p>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
<p>to ensure that the environmental and scenic values of the area are protected;</p> <p>(b) retain riparian corridors, significant vegetation and habitat areas and provides linkages between those areas; and</p> <p>(c) meet regional, district and neighbourhood open space requirements.</p>	<p>AO19.2 A maximum of 30% of the proposed open space can consist of land identified as significant vegetation or riparian corridor buffer.</p>	n/a	Not applicable.
<p>PO20 A network of parks and community land is provided:</p> <p>(a) to support a full range of recreational and sporting activities;</p> <p>(b) to ensure adequate pedestrian, cycle and vehicle access;</p> <p>(c) which is supported by appropriate infrastructure and embellishments;</p> <p>(d) to facilitate links between public open spaces;</p> <p>(e) which is co-located with other existing or proposed community infrastructure;</p> <p>(f) which is consistent with the preferred open space network; and</p> <p>(g) which includes a diversity of settings;</p>	<p>AO20 No acceptable outcome is provided.</p>	n/a	Not applicable.

Table 9.4.4.3B—Minimum area and dimensions for Reconfiguring a lot

Zone	Type	Minimum area	Minimum frontage
Centre	All lots	800m ²	20 metres
Community facilities	All lots	Not specified	Not specified
Conservation	All lots	Not specified	Not specified
Emerging community	All lots	10 hectares	100 metres
Low density residential	Where greenfield development and connected to reticulated water and sewerage		

Zone	Type	Minimum area	Minimum frontage
	Rear lot	800m ²	5 metres
	All other lots	350m ²	10 metres
	Where connected to reticulated water and sewerage		
	Rear lot	800m ²	5 metres
	All other lots	600m ²	16 metres
	Where connected to reticulated water		
	Rear lot	1,000m ²	5 metres
	All other lots	800m ²	16 metres
Medium density residential	Rear lot	600m ²	5 metres
	All other lots	400m ²	10 metres
Industry	All lots	1,500m ²	45 metres
Recreation and open space	All lots	Not specified	Not specified
Rural	All lots	60 hectares	400 metres
Rural residential	2 hectare precinct		
	All lots	2 hectares	60 metres
	1 hectare precinct		
	All lots	1 hectare	40 metres
	4,000m ² precinct		
	All lots	4,000m ²	40 metres

Figure A – Examples of access to rear lots

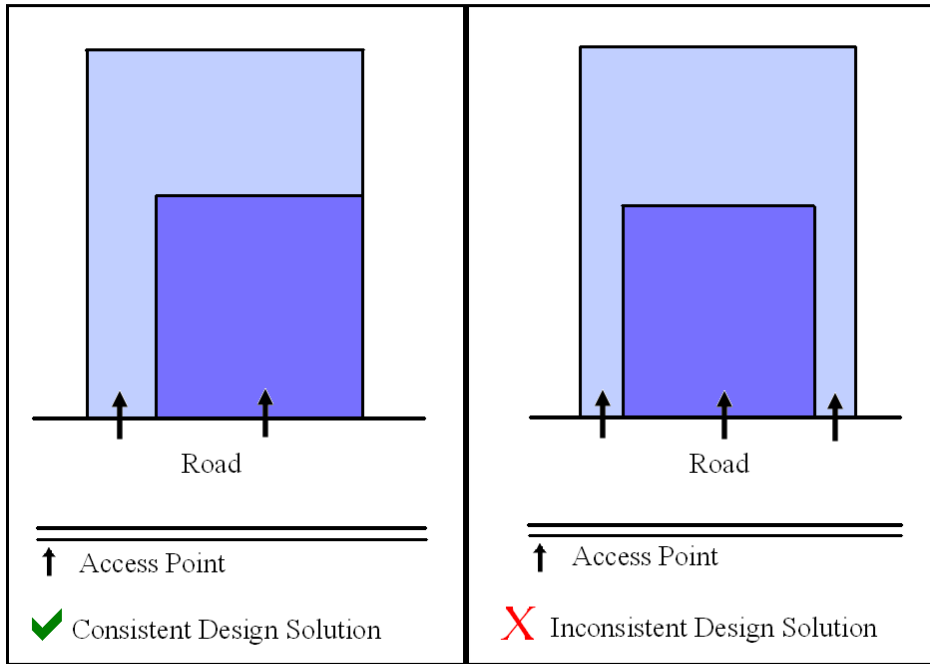
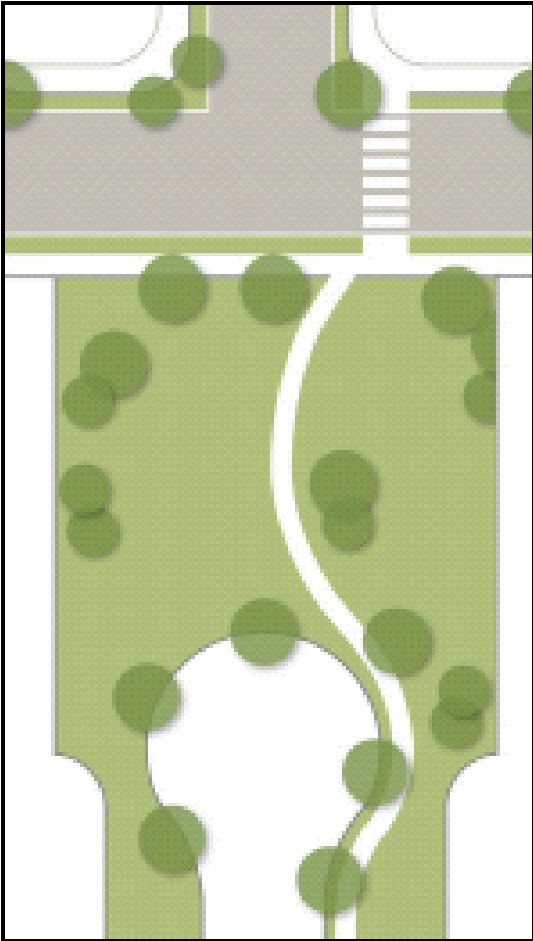


Figure B – Example of cul-de-sac design



9.4.5 Works, services and infrastructure code

9.4.5.1 Application

- (1) This code applies to assessing development where it is identified in the assessment benchmarks for assessable development and requirements for accepted development column of an assessment table in Part 5 of the planning scheme.

9.4.5.2 Purpose

- (1) The purpose of the Works, services and infrastructure code is to ensure that all development is appropriately serviced by physical infrastructure, public utilities and services and that work associated with development is carried out in a manner that does not adversely impact on the surrounding area.
- (2) The purpose of the code will be achieved through the following overall outcomes:
 - (a) Development provides an adequate, safe and reliable supply of potable, fire-fighting and general use water in accordance with relevant standards;
 - (b) Development provides for the treatment and disposal of wastewater and ensures there are no adverse impacts on water quality, public health, local amenity or ecological processes;
 - (c) Development provides for the disposal of stormwater and ensures that there are no adverse impacts on water quality or ecological processes;
 - (d) Development connects to the road network and any adjoining public transport, pedestrian and cycle networks while ensuring no adverse impacts on the safe, convenient and efficient operation of these networks;
 - (e) Development provides electricity and telecommunications services that meet its desired requirements;
 - (f) Development is connected to a nearby electricity network with adequate capacity without significant environment, social or amenity impact;
 - (g) Development does not affect the efficient functioning of public utility mains, services or installations;
 - (h) Infrastructure dedicated to Council is cost effective over its life cycle;
 - (i) Work associated with development does not cause adverse impacts on the surrounding area; and
 - (j) Development prevents the spread of weeds, seeds or other pests.

9.4.5.3 Criteria for assessment

Table 9.4.5.3 - Works, services and infrastructure code – For accepted development subject to requirements and assessable development

Performance outcomes	Acceptable outcomes	Complies	Comments
For accepted development subject to requirements and assessable development			
Water supply			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p>PO1 Each lot has an adequate volume and supply of water that:</p> <ul style="list-style-type: none"> (a) meets the needs of users; (b) is adequate for fire-fighting purposes; (c) ensures the health, safety and convenience of the community; and (d) minimises adverse impacts on the receiving environment. 	<p>AO1.1 Development is connected to a reticulated water supply system in accordance with the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development Manual other than where located:</p> <ul style="list-style-type: none"> (a) in the Conservation zone, Rural zone or Rural residential zone; and (b) outside a reticulated water supply service area. 	n/a	Not applicable.
	<p>AO1.2 Development, where located outside a reticulated water supply service area and in the Conservation zone, Rural zone or Rural residential zone is provided with:</p> <ul style="list-style-type: none"> (a) a bore or bores are provided in accordance with the Design Guidelines set out in the Planning Scheme Policy 4 – FNQROC Regional Development Manual; or (b) on-site water storage tank/s: <ul style="list-style-type: none"> (i) with a minimum capacity of 90,000L; (ii) fitted with a 50mm ball valve with a camlock fitting; and (iii) which are installed and connected prior to the occupation or use of the development. 	n/a	Not applicable at operational works stage.
Wastewater disposal			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p>PO2 Each lot provides for the treatment and disposal of effluent and other waste water that:</p> <ul style="list-style-type: none"> (a) meets the needs of users; (b) is adequate for fire-fighting purposes; (c) ensures the health, safety and convenience of the community; and (d) minimises adverse impacts on the receiving environment. 	<p>AO2.1 Development is connected to a reticulated sewerage system in accordance with the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development Manual other than where located:</p> <ul style="list-style-type: none"> (a) in the Conservation zone, Rural zone or Rural residential zone; and (b) outside a reticulated sewerage service area. 	n/a	Not applicable.
	<p>AO2.2 An effluent disposal system is provided in accordance with ASNZ 1547 On-Site Domestic Wastewater Management (as amended) where development is located:</p> <ul style="list-style-type: none"> (a) in the Conservation zone, Rural zone or Rural residential zone; and (b) outside a reticulated sewerage service area. 	n/a	Not applicable at operational works stage.
Stormwater infrastructure			
<p>PO3 Stormwater infrastructure is designed and constructed to collect and convey the design storm event to a lawful point of discharge in a manner that mitigates impacts on life and property.</p>	<p>AO3.1 Where located within a Priority infrastructure area or where stormwater infrastructure is available, development is connected to Council's stormwater network in accordance with the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development Manual.</p>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
	<p>AO3.2 On-site drainage systems are constructed:</p> <ul style="list-style-type: none"> (a) to convey stormwater from the premises to a lawful point of discharge; and (b) in accordance with the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development Manual. 	✓	Complies for drainage structures within road reserve.
Electricity supply			
<p>PO4 Each lot is provided with an adequate supply of electricity</p>	<p>AO4 The premises:</p> <ul style="list-style-type: none"> (a) is connected to the electricity supply network; or (b) has arranged a connection to the transmission grid; or (c) where not connected to the network, an independent energy system with sufficient capacity to service the development (at near average energy demands associated with the use) may be provided as an alternative to reticulated electricity where: <ul style="list-style-type: none"> (i) it is approved by the relevant regulatory authority; and (ii) it can be demonstrated that no air or noise emissions; and (iii) it can be demonstrated that no adverse impact on visual amenity will occur. 	n/a	Not applicable at operational works stage. Is required before endorsement of survey plan.
Telecommunications infrastructure			

Performance outcomes	Acceptable outcomes	Complies	Comments
PO5 Each lot is provided with an adequate supply of telecommunication infrastructure	AO5 Development is provided with a connection to the national broadband network or telecommunication services.	n/a	Not applicable at operational works stage. Is required before endorsement of survey plan.
Existing public utility services			
PO6 Development and associated works do not affect the efficient functioning of public utility mains, services or installations.	AO6 Public utility mains, services are relocated, altered or repaired in association with the works so that they continue to function and satisfy the relevant Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development Manual.	✓	Complies where relevant.
Excavation or filling			
PO7 Excavation or filling must not have an adverse impact on the: (a) streetscape; (b) scenic amenity; (c) environmental values; (d) slope stability; (e) accessibility; or (f) privacy of adjoining premises.	AO7.1 Excavation or filling does not occur within 1.5 metres of any site boundary.	✓	Complies.
	AO7.2 Excavation or filling at any point on a lot is to be no greater than 1.5 metres above or below natural ground level.	✓	Complies.
	AO7.3 Earthworks batters: (a) are no greater than 1.5 metres in height; (b) are stepped with a minimum width 2 metre berm; (c) do not exceed a maximum of two batters and two berms (not greater than 3.6 metres in total height) on any one lot; (d) have a slope no greater than 1 in 4; and (e) are retained.	✓	Complies.

Performance outcomes	Acceptable outcomes	Complies	Comments
	<p>A07.4 Soil used for filling or spoil from excavation is not stockpiled in locations that can be viewed from:</p> <p>(a) adjoining premises; or (b) a road frontage, for a period exceeding 1 month from the commencement of the filling or excavation.</p>	✓	Can be conditioned to comply.
	<p>A07.5 All batters and berms to be constructed in accordance with the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development Manual.</p>	✓	Has been designed to comply.
	<p>A07.6 Retaining walls have a maximum height of 1.5 metres and are designed and constructed in accordance with the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development manual.</p>	n/a	Not applicable.
	<p>A07.7 Excavation or filling at any point on a lot is to include measures that protect trees at the foot or top of cut or fill batters by the use of appropriate retaining methods and sensitive earth removal or placement and in accordance with the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development manual.</p>	n/a	Not applicable.
For assessable development			
Transport network			

Performance outcomes	Acceptable outcomes	Complies	Comments
PO8 The development has access to a transport network of adequate standard to provide for the safe and efficient movement of vehicles, pedestrians and cyclists.	A08.1 Vehicle access, crossovers, road geometry, pavement, utilities and landscaping to the frontage/s of the site are designed and constructed in accordance with the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development manual.	✓	Has been designed to comply.
	A08.2 Development provides footpath pavement treatments in accordance with Planning Scheme Policy 9 – Footpath Paving.	n/a	Not applicable.
Public infrastructure			
PO9 The design, construction and provision of any infrastructure that is to be dedicated to Council is cost effective over its life cycle and incorporates provisions to minimise adverse impacts.	A09 Development is in accordance with the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development Manual.	✓	Has been designed to comply.
Stormwater quality			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p>PO10 Development has a non-worsening effect on the site and surrounding land and is designed to:</p> <ul style="list-style-type: none"> (a) optimise the interception, retention and removal of waterborne pollutants, prior to the discharge to receiving waters; (b) protect the environmental values of waterbodies affected by the development, including upstream, on-site and downstream waterbodies; (c) achieve specified water quality objectives; (d) minimise flooding; (e) maximise the use of natural channel design principles; (f) maximise community benefit; and (g) minimise risk to public safety. 	<p>AO10.1 The following reporting is prepared for all Material change of use or Reconfiguring a lot proposals:</p> <ul style="list-style-type: none"> (a) a Stormwater Management Plan and Report that meets or exceeds the standards of design and construction set out in the Queensland Urban Drainage Manual (QUDM) and the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development Manual; and (b) an Erosion and Sediment Control Plan that meets or exceeds the Soil Erosion and Sedimentation Control Guidelines (Institute of Engineers Australia), including: <ul style="list-style-type: none"> (i) drainage control; (ii) erosion control; (iii) sediment control; and (iv) water quality outcomes. 	<p>✓</p>	<p>Has been designed to comply.</p>

Performance outcomes	Acceptable outcomes	Complies	Comments
	<p>AO10.2 For development on land greater than 2,500m² or that result in more than 5 lots or more than 5 dwellings or accommodation units, a Stormwater Quality Management Plan and Report prepared and certified by a suitably qualified design engineer (RPEQ) is prepared that demonstrates that the development:</p> <ul style="list-style-type: none"> (a) meets or exceeds the standards of design and construction set out in the Urban Stormwater Quality Planning Guideline and the Queensland Water Quality Guideline; (b) is consistent with any local area stormwater water management planning; (c) accounts for development type, construction phase, local climatic conditions and design objectives; and (d) provides for stormwater quality treatment measures reflecting land use constraints, such as soil type, landscape features (including landform), nutrient hazardous areas, acid sulfate soil and rainfall erosivity. 	✓	Has been designed to comply.

Performance outcomes	Acceptable outcomes	Complies	Comments
<p>PO11 Storage areas for stormwater detention and retention:</p> <p>(a) protect or enhance the environmental values of receiving waters;</p> <p>(b) achieve specified water quality objectives;</p> <p>(c) where possible, provide for recreational use;</p> <p>(d) maximise community benefit; and</p> <p>(e) minimise risk to public safety.</p>	<p>AO11 No acceptable outcome is provided.</p>	n/a	Not applicable.
Excavation or filling			
<p>PO12 Traffic generated by filling or excavation does not impact on the amenity of the surrounding area.</p>	<p>AO12.1 Haul routes used for transportation of fill to or from the site only use major roads and avoid residential areas.</p>	✓	Can be conditioned to comply.
	<p>AO12.2 Transportation of fill to or from the site does not occur:</p> <p>(a) within peak traffic times; and</p> <p>(b) before 7am or after 6pm Monday to Friday;</p> <p>(c) before 7am or after 1pm Saturdays; and</p> <p>(d) on Sundays or Public Holidays.</p>	✓	Can be conditioned to comply.

Performance outcomes	Acceptable outcomes	Complies	Comments
PO13 Air pollutants, dust and sediment particles from excavation or filling, do not cause significant environmental harm or nuisance impacts.	AO13.1 Dust emissions do not extend beyond the boundary of the site.	✓	Dust suppression for roadworks will be required.
	AO13.2 No other air pollutants, including odours, are detectable at the boundary of the site.	✓	Can be conditioned to comply.
	AO13.3 A management plan for control of dust and air pollutants is prepared and implemented.	✓	Can be conditioned to comply.
PO14 Access to the premises (including driveways and paths) does not have an adverse impact on: <ul style="list-style-type: none"> (a) safety; (b) drainage; (c) visual amenity; and (d) privacy of adjoining premises. 	AO14 Access to the premises (including all works associated with the access): <ul style="list-style-type: none"> (a) must follow as close as possible to the existing contours; (b) be contained within the premises and not the road reserve, and (c) are designed and constructed in accordance with the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development manual. 	✓	Can be conditioned to comply.
Weed and pest management			
PO15 Development prevents the spread of weeds, seeds or other pests into clean areas or away from infested areas.	AO15 No acceptable outcome is provided.	✓	Can be conditioned to comply.
Contaminated land			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p>PO16 Development is located and designed to ensure that users and nearby sensitive land uses are not exposed to unacceptable levels of contaminants</p>	<p>AO16 Development is located where: (a) soils are not contaminated by pollutants which represent a health or safety risk to users; or (b) contaminated soils are remediated prior to plan sealing, operational works permit, or issuing of building works permit.</p>	✓	Complies.
Fire services in developments accessed by common private title			
<p>PO17 Fire hydrants are located in positions that will enable fire services to access water safely, effectively and efficiently.</p>	<p>AO17.1 Fire hydrants are located in accessways or private roads held in common private title at a maximum spacing of: (a) 120 metres for residential development; and (b) 90 metres for any other development.</p>	n/a	Not applicable.
	<p>AO17.2 Fire hydrants are located at all intersections of accessways or private roads held in common private title.</p>	n/a	Not applicable.