

## Assessment of application against relevant Development Codes

### APPLICATION DETAILS

APPLICATION		PREMISES	
<b>FILE NO:</b>	MCU/18/0027	<b>ADDRESS:</b>	5-7 Slade Street & 58 Chewko Road, Mareeba
<b>APPLICANT:</b>	Broboca Pty Ltd	<b>RPD:</b>	Lots 12, 14 & 16 on NR7652
<b>LODGED BY:</b>	Planz Town Planning	<b>AREA:</b>	Lot 12 - 2,931m2 Lot 14 - 1,777m2 Lot 16 - 1,787m2
<b>DATE LODGED:</b>	23 November 2018	<b>OWNER :</b>	Lot 12 - J Hendle Lots 14 & 16 - Broboca Pty Ltd
<b>TYPE OF APPROVAL:</b>	Development Permit		
<b>PROPOSED DEVELOPMENT:</b>	Material Change of Use - Medium Impact Industry		
<b>PLANNING SCHEME:</b>	Mareeba Shire Council Planning Scheme 2016		
<b>ZONE:</b>	Industry zone		
<b>LEVEL OF ASSESSMENT:</b>	Impact Assessment		
<b>SUBMISSIONS:</b>	Nil		

### Relevant Development Codes

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

- 6.2.5 Industry zone code
- 7.2.2 Mareeba local plan code
- 8.2.2 Airport environs overlay code
- 8.2.5 Extractive resources overlay code
- 9.3.5 Industrial activities code
- 9.4.2 Landscaping code
- 9.4.3 Parking and access code
- 9.4.5 Works, services and infrastructure code

## 6.2.5 Industry zone code

### 6.2.5.1 Application

- (1) This code applies to assessing development where:
  - (a) located in the Industry 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.

### 6.2.5.2 Purpose

- (1) The purpose of the Industry zone code is to provide for a range of service, low, medium, or high impact industrial uses.

It may include non-industrial and business uses that support the industrial activities where they do not compromise the long-term use of the land for industrial purposes.

- (2) Mareeba Shire Council's purpose of the Industry zone code is to facilitate industrial activity in order to:
  - (a) contribute to and strengthen the economic development of the region;
  - (b) service the needs of the communities in the shire; and
  - (c) provide for a variety of employment opportunities.
- (3) The shire's industrial areas will vary in their role and level of service provision and cater for different scales and types of industrial development. Three precincts are identified within the zone in order to establish a hierarchy of industrial areas catering for lower impact to higher impact industries:
  - (a) The Trades and services precinct is intended to accommodate service industry and low impact industries. This precinct encompasses the majority of the existing smaller industrial areas which are often located in commercial areas or adjoining residential areas. The precinct is strategically located in serviced areas to provide light industry, service and trades industries to meet local needs and located. Higher impact industries may be appropriate in some locations within this precinct where it can be demonstrated that they will not have any adverse impacts on surrounding development and land uses;
  - (b) The General industry precinct is intended to accommodate medium impact industries and existing high impact industries. This precinct encompasses the central industrial area of Mareeba. Further expansion of high impact industries is not encouraged due to the proximity of the precinct to residential areas, meaning a transition to lower impact industries is supported; and
  - (c) The Heavy industry precinct is intended to accommodate a range of industrial uses including high impact industries and encompasses the Chillagoe industrial area, the Mareeba major industrial area and the Mareeba Airport industrial area.
- (4) The purpose of the code will be achieved through the following overall outcomes:
  - (a) Uses and works for industrial purposes are located, designed and managed to maintain safety to people, avoid significant adverse effects on the natural environment and minimise impacts on surrounding non-industrial land;
  - (b) Development is sited having regard to its servicing capabilities in terms of transport, water, sewage, electricity, telecommunications infrastructure, proximity to other associated industries and work force;
  - (c) Development maximises the use of existing transport infrastructure and has access to an appropriate level of transport infrastructure and facilities;
  - (d) Development is supported by necessary transport infrastructure which is designed to provide and promote safe and efficient public transport use, walking and cycling;

- (e) Development is reflective of and responsive to the environmental constraints of the land;
- (f) The scale, character and built form of development contributes to an appropriate standard of amenity;
- (g) Non-industrial uses, such as offices, retail uses and caretaker's accommodation that directly support the industrial area are facilitated;
- (h) The viability of both existing and future industrial activities is protected from the intrusion of incompatible uses;
- (i) Adverse impacts on natural features and processes both on-site and from adjoining areas are minimised through location, design, operation and management of development;
- (j) Industrial uses are adequately separated and buffered from sensitive land uses to minimise the likelihood of environmental harm including environmental nuisance occurring;
- (k) Land included in the Industry zone is to be protected from incompatible uses to ensure that industrial activities may continue and expand; and
- (l) Development is appropriately coordinated and sequenced to ensure the most effective use of land within the zone.

### 6.2.5.3 Criteria for assessment

**Table 6.2.5.3—Industry zone code - For accepted development subject to requirements and assessable development**

Performance outcomes	Acceptable outcomes	Complies	Comments
<b>For accepted development subject to requirements and assessable development</b>			
<b>Height</b>			
<b>PO1</b> Building height takes into consideration and respects the following: <ul style="list-style-type: none"> <li>(a) the height of existing buildings on adjoining premises;</li> <li>(b) the development potential, with respect to height, on adjoining premises;</li> <li>(c) the height of buildings in the vicinity of the site;</li> <li>(d) site area and street frontage length.</li> </ul>	<b>AO1</b> Development has a maximum building height of: <ul style="list-style-type: none"> <li>(a) 8.5 metres within 10 metres of any common boundary with land in the Low density residential zone, the Medium density residential zone or the Rural residential zone;</li> <li>(b) 35 metres for all buildings and structures where involving a Telecommunication facility; and</li> <li>(c) 12 metres otherwise.</li> </ul>	✓	Complies.  The proposed development will have a maximum height of 7.2 metres.
<b>Siting</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO2</b> Development is sited in a manner that considers and respects:</p> <ul style="list-style-type: none"> <li>(a) the siting and use of adjoining premises;</li> <li>(b) appearance of building bulk; and</li> <li>(c) relationship with road corridors.</li> </ul>	<p><b>AO2</b> Buildings and structures include a minimum setback of:</p> <ul style="list-style-type: none"> <li>(a) 3 metres from any road frontage;</li> <li>(b) 6 metres from side and rear boundaries where adjoining land in the Low density residential zone, the Medium density residential zone or the Rural residential zone; and</li> <li>(c) 0 metres from side and rear boundaries otherwise.</li> </ul>	✓	The development will comply.
<b>For assessable development</b>			
<b>Site cover</b>			
<p><b>PO3</b> Buildings and structures occupy the site in a manner that:</p> <ul style="list-style-type: none"> <li>(a) makes efficient use of land;</li> <li>(b) is consistent with the bulk and scale of surrounding buildings.</li> </ul>	<p><b>AO3</b> No acceptable outcome is provided.</p>	✓	The proposed development complies.
<b>Building design</b>			
<p><b>PO4</b> Building facades are appropriately designed to maintain and enhance the character of the surrounds.</p>	<p><b>AO4</b> Buildings in the Industrial zone include:</p> <ul style="list-style-type: none"> <li>(a) a main entrance which is easily identifiable and is directly accessible from the primary road frontage; and</li> <li>(b) any office space sited and oriented towards the primary road frontage.</li> </ul>	✓	The proposed development complies.

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO5</b> Development complements and integrates with the established built character of the Industry zone, having regard to:</p> <ul style="list-style-type: none"> <li>(a) roof form and pitch;</li> <li>(b) building materials, colours and textures; and</li> <li>(c) window and door size and location.</li> </ul>	<p><b>AO5</b> No acceptable outcome is provided.</p>	✓	The proposed development complies.
<b>Non-industrial uses</b>			
<p><b>PO6</b> Development involving a non-industrial use:</p> <ul style="list-style-type: none"> <li>(a) has access to adequate infrastructure and essential services;</li> <li>(b) is complementary in nature to the character and amenity of the Industry zone; and</li> <li>(c) does not negatively impact on the operation of existing uses within the Industry zone.</li> </ul>	<p><b>AO6</b> No acceptable outcome is provided.</p>	n/a	<p>Not applicable.</p> <p>The application is not proposing a non-industrial use.</p>

Performance outcomes	Acceptable outcomes	Complies	Comments
<b>Amenity</b>			
<p><b>PO7</b> Development must not detract from the amenity of the local area, having regard to:</p> <ul style="list-style-type: none"> <li>(a) noise;</li> <li>(b) hours of operation;</li> <li>(c) traffic;</li> <li>(d) advertising devices;</li> <li>(e) visual amenity;</li> <li>(f) privacy;</li> <li>(g) lighting;</li> <li>(h) odour; and</li> <li>(i) emissions.</li> </ul>	<p><b>AO7</b> No acceptable outcome is provided.</p>	✓	The proposed development will comply.
<p><b>PO8</b> Development must take into account and seek to ameliorate any existing negative environmental impacts, having regard to:</p> <ul style="list-style-type: none"> <li>(a) noise;</li> <li>(b) hours of operation;</li> <li>(c) traffic;</li> <li>(d) advertising devices;</li> <li>(e) visual amenity;</li> <li>(f) privacy;</li> <li>(g) lighting;</li> <li>(h) odour; and</li> <li>(i) emissions.</li> </ul>	<p><b>AO8</b> No acceptable outcome is provided.</p>	✓	The proposed development will comply.

## 7.2.2 Mareeba local plan code

### 7.2.2.1 Application

- (1) This code applies to assessing development where:
  - (a) located in the Mareeba local plan area; 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.

### 7.2.2.2 Purpose

- (1) The purpose of the Mareeba local plan code is to:
  - (a) facilitate the continued use of the historic stables area adjacent to the Mareeba Racecourse for residential horse keeping;
  - (b) facilitate the continued development of the Mareeba Airport;
  - (c) facilitate efficient development that accords with local lifestyle and amenity expectations;
  - (d) identify and direct urban growth opportunities;
  - (e) facilitate a more vibrant and integrated town centre;
  - (f) enhance accessibility to, and activation of, the Barron River and Centenary Lakes as important physical assets for Mareeba;
  - (g) enhance Mareeba's heritage and cultural elements; and
  - (h) facilitate the development of an appropriate site for special industry.
- (2) Ten precincts have been identified in the Mareeba local plan to achieve this purpose:
  - (a) The Town centre core precinct will be maintained as the retail and cultural heart of Mareeba. Development will be managed to increase the walkability of the precinct and better integrate the street and built environments. Character elements of the precinct will be maintained and new buildings or works to existing buildings will be respectful of character values.
  - (b) The Town centre fringe precinct consists of commercial and residential uses. The precinct will facilitate destination specific commercial development where it can be demonstrated that design measures can be incorporated to adequately mitigate any impacts upon residential amenity. The precinct will not detract from the role of the Town centre core precinct as the town's primary retail and commercial precinct.
  - (c) The Mareeba Airport precinct includes the existing airport facilities and an area on the south west side of the runway that is intended to be development for aviation based industry. The precinct will facilitate the continuing development of the Mareeba Airport, for passenger and freight movements, and other activities associated with the airport's primary function including industry, where it is demonstrated that these uses do not compromise efficient aircraft operation.
  - (d) The Mareeba northern investigation precinct is intended to support long term future urban development beyond the life of the planning scheme. Development in this precinct (particularly subdivision) is limited so that the future urban intent is not compromised.
  - (e) The Mareeba north-eastern expansion precinct, the Mareeba south-eastern expansion precinct and the Mareeba south-western expansion precinct are intended for urban residential development. These precincts are constrained by a range of important features including slopes, gullies, watercourses, open space and riparian linkages and the Mareeba Bypass. Development in these precincts preserves and enhances these features while supporting the development of a walkable and well connected transport network. Development in the Mareeba north-eastern expansion

precinct supports the construction of a new bridge over the Barron River connecting Hastie Road with Lloyd Street to enable greater access to the town centre while small scale local centres are encouraged in the Mareeba south-western expansion precinct.

- (f) The Stable precinct defines an established area of residential properties incorporating horse stables adjoining the Mareeba Racecourse. The precinct is intended to protect the ongoing use of the stables on these properties, in association with residential uses.
  - (g) The Industrial park precinct provides for the expansion, establishment and operation of General industry and Heavy industry uses within this precinct, where they are appropriately separated from incompatible uses.
  - (h) The Noxious and hazardous industry precinct provides for the expansion, establishment and relatively unconstrained operation of Special industry in the precinct where the use is sufficiently isolated from other land uses and potential on and off site impacts can be adequately managed. Uses other than Special industry and High impact industry should not occur in this precinct in order to prevent compromising the intended function of the precinct.
- (3) The purpose of the code will be achieved through the following overall outcomes:
- (a) Development recognises and protects the town centre as Mareeba’s most important commercial and social asset that is supported by substantial public and private investment in buildings, infrastructure and culture;
  - (b) Development within the Town centre core precinct promotes greater walkability and integration between street and built environments through the consolidation and effective design of retail and commercial facilities;
  - (c) Development within the Town centre fringe precinct, accommodates destination-specific premises that requires car and service vehicle access;
  - (d) Development provides opportunities for greater utilisation of, and improved public access to, the Barron River and open spaces;
  - (e) Development protects Mareeba’s heritage places and tourist and cultural assets and enhances opportunities for their public appreciation;
  - (f) Development facilitates the continuing growth of the Mareeba Airport for passenger and freight movements and industry associated with the airport’s primary function. Activities in the Mareeba Airport precinct will be limited to ensure they do not compromise efficient aircraft operation;
  - (g) Development in the Stable precinct facilitates the combination of stables and houses whilst maintaining a low density to minimise impacts;
  - (h) Development provides for the expansion, establishment and relatively unconstrained operation of Special industry in the Noxious and hazardous industry precinct; and
  - (i) The establishment and operation of a range of industries in the Industrial park precinct is supported.

**7.2.2.3 Criteria for assessment**

**Table 7.2.2.3—Mareeba local plan - For accepted development subject to requirements and assessable development**

Performance outcomes	Acceptable outcomes	Complies	Comments
<b>For accepted development subject to requirements and assessable development</b>			
<b>If affected by the vegetated buffer area element</b>			



Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO1</b> Industrial development is appropriately screened from view to minimise impacts on the:</p> <p>(a) visual amenity and character of the local plan area; and</p> <p>(b) amenity of nearby land uses.</p>	<p><b>AO1</b> A minimum 5 metre wide vegetated buffer area is provided in all areas of the site affected by the vegetated buffer element.</p>	n/a	Not applicable.
<b>If in the Stable precinct</b>			
<p><b>PO2</b> Development facilitates the co-location of houses and stables while maintaining an appropriate level of amenity, having regard to emissions of:</p> <p>(a) noise;</p> <p>(b) odour; and</p> <p>(c) light</p>	<p><b>AO2</b> Stables house no more than 10 animals and are:</p> <p>(a) separated by a minimum distance of 3 metres from any residential building on the same site;</p> <p>(b) separated by a minimum distance of 5 metres from any residential building on an adjoining site; and</p> <p>(c) setback a minimum of 6 metres from any road frontage.</p>	n/a	Not applicable.
<b>If on a site with a frontage to the Byrnes Street core element</b>			
<p><b>PO3</b> Development with a frontage to the Byrnes Street core element is designed to minimise the dominance of vehicular access within the streetscape by:</p> <p>(a) providing vehicular access from an alternative frontage;</p> <p>(b) minimising the size of necessary vehicle access; and</p> <p>(c) maximising the area of the frontage used</p>	<p><b>AO3.1</b> Where development has a frontage to the Byrnes Street core element, buildings are built to side boundaries, except for pedestrian access-ways and where alternative vehicular access is not available. In such instances, vehicular and pedestrian access-ways are not wider than 7 metres.</p> <p>Note—Refer to Figure A for further detail.</p>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
for pedestrian focussed activities.	<b>A03.2</b> Vehicular access is not provided from Byrnes Street where a site has more than one frontage.	n/a	Not applicable.
<b>If on a site affected by the Town centre fringe 6 metre setback element</b>			
<b>PO4</b> Larger destination-specific premises that require increased provision for car and service vehicle access are supported where it can be demonstrated that sufficient separation is provided between the use and adjoining residential uses to adequately mitigate any potential impacts on the amenity of adjoining premises, having regard to: (a) noise; (b) odour; (c) light; and (d) overlooking and privacy.	<b>A04</b> Buildings and structures are setback a minimum of 6 metres from the boundary affected by the Town centre fringe 6 metre setback element.	n/a	Not applicable.
<b>If in the Town centre fringe precinct</b>			
<b>PO5</b> Development's address to the primary street frontage ensures: (a) car parking areas are not a dominant feature; and (b) sources of visual interest and casual surveillance of the street frontage are provided.	<b>A05.1</b> No more than 50% of car parking is to be located between the building and the primary street frontage.	n/a	Not applicable.
	<b>A05.2</b> Buildings include uses that orientated toward the primary street frontage with entrances and windows addressing the street.	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
<b>For assessable development</b>			
<p><b>PO6</b> Development in the Mareeba local plan area:</p> <p>(a) promotes and does not prejudice the ongoing operation of Mareeba as the major regional activity centre of the Shire;</p> <p>(b) provides growth or redevelopment in areas within close proximity to the Town centre core precinct;</p> <p>(c) locates Community facilities in accessible locations within walking distance of the Town centre core precinct; and</p> <p>(d) contributes to the vibrancy and local identity of the Mareeba community.</p>	<p><b>AO6</b> No acceptable outcome is provided.</p>	✓	Complies.
<p><b>PO7</b> Development does prejudice the future construction of the Mareeba Bypass.</p>	<p><b>AO7</b> Development involving permanent buildings or structures does not occur on land affected by the Mareeba bypass element.</p>	✓	Complies.  The subject land adjoins the proposed Mareeba bypass element.
<p><b>PO8</b> Development integrates the following elements identified on the Mareeba local plan maps:</p> <p>(a) open space elements;</p> <p>(b) indicative collector roads as higher order road linkages;</p> <p>(c) indicative minor roads in a similar design as shown as mapped; and</p> <p>(d) possible connections as important road linkages between developments.</p>	<p><b>AO8</b> No acceptable outcome is provided.</p>	n/a	Not applicable.

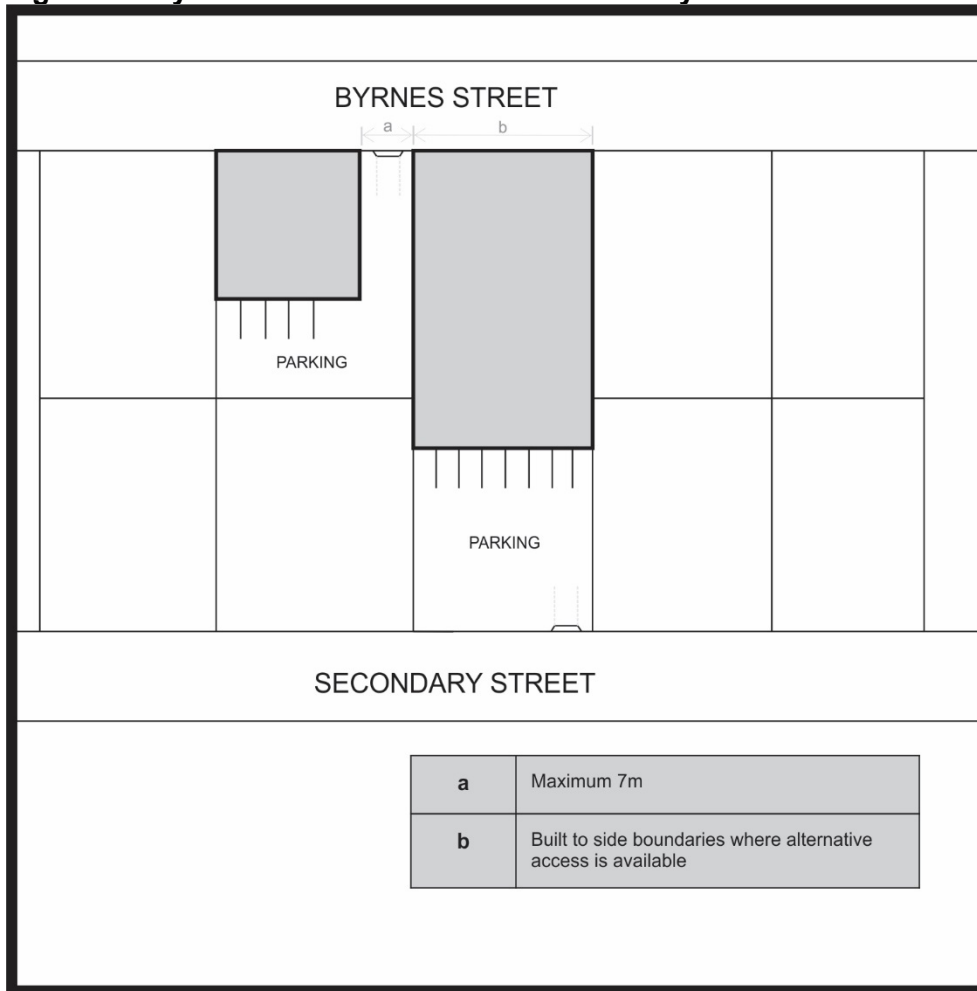
Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO9</b> Development integrates small-scale local retail centres that:</p> <p>(a) service the local neighbourhood; and</p> <p>(b) do not prejudice the ongoing operation of the Mareeba town centre.</p>	<p><b>AO9</b> No acceptable outcome is provided.</p>	n/a	Not applicable.
<b>If in the Stable precinct</b>			
<p><b>PO10</b> Development does not involve a density of residential development that is likely to prejudice the ongoing use of land within the precinct for stables, having regard to the existing level of amenity.</p>	<p><b>AO10.1</b> Development does not result in a higher accommodation density than currently exists.</p>	n/a	Not applicable.
	<p><b>AO10.2</b> Development does not result in the creation of any new lots.</p>	n/a	Not applicable.
<b>If in the Mareeba Airport precinct</b>			
<p><b>PO11</b> Development does not prejudice the ongoing operations or future development intentions of the Mareeba Airport.</p>	<p><b>AO11</b> Development is limited to activities which have a direct associated with aviation.</p>	n/a	Not applicable.
<b>If in the Town centre core precinct</b>			
<p><b>PO12</b> Development is to be of a scale and form which complements the character of the precinct, having regard to:</p> <p>(a) building location;</p> <p>(b) building height;</p> <p>(c) interface with the street; and</p> <p>(d) scale of windows, doors and structural elements</p>	<p><b>AO12</b> No acceptable outcome is provided.</p>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO13</b> The character and style of buildings in the main street, including those representing the booming tobacco period of the 1950's and 1960's is maintained and protected.</p>	<p><b>AO13.1</b> Buildings are re-used for new uses without alteration to their : (a) height; (b) width (at street frontage); (c) vertical or horizontal patterning; and (d) materials.</p> <p>Note—Refer to Planning Scheme Policy 1 – Character Area Design Guidelines for additional guidance in relation to the development outcomes sought.</p>	n/a	Not applicable.
	<p><b>AO13.2</b> Development on sites identified as building façade to be retained that retains the external (street facing) facade(s) of the building will qualify for a 10% reduction on car parking.</p>	n/a	Not applicable.
<b>If in the Town centre fringe precinct</b>			
<p><b>PO14</b> Development does not undermine the role of the Town centre core precinct as Mareeba's primary retail and commercial precinct.</p>	<p><b>AO14</b> No acceptable outcome is provided.</p>	n/a	Not applicable.
<b>If in the Noxious and hazardous industry precinct</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO15</b> Appropriate provision is made for siting, managing and buffering uses in the Noxious and hazardous industry precinct to limit impacts on adjoining properties, having regard to:</p> <ul style="list-style-type: none"> <li>(a) noise;</li> <li>(b) hours of operation;</li> <li>(c) traffic;</li> <li>(d) advertising devices;</li> <li>(e) visual amenity;</li> <li>(f) privacy;</li> <li>(g) lighting;</li> <li>(h) odour; and</li> <li>(i) emissions.</li> </ul> <p>Note—A facility management plan can be prepared to demonstrate that the ongoing operation of the use will maintain compliance with this outcome.</p>	<p><b>AO15</b> No acceptable outcome is provided.</p>	n/a	Not applicable.
<b>If in the Industrial park precinct</b>			
<p><b>PO16</b> Development that attracts the public into the Industrial park precinct does not develop within the Industrial park precinct.</p>	<p><b>AO16</b> No acceptable outcome is provided.</p>	n/a	Not applicable.
<b>If in the Northern investigation precinct</b>			
<p><b>PO17</b> Development does not compromise the long term future urban intent of this precinct.</p>	<p><b>AO17</b> No acceptable outcome is provided.</p>	n/a	Not applicable.
<b>If in the North-eastern expansion precinct, South-eastern expansion precinct or South-western expansion precinct</b>			
<p><b>PO18</b> Development provides an average net accommodation density of at least 12 dwellings or accommodation units per hectare.</p> <p>Note—Calculation of accommodation density excludes areas not developed as a result of provisions of an overlay.</p>	<p><b>AO18</b> No acceptable outcome is provided.</p>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO19</b> Development provides a wide range of housing options, including different dwelling sizes and types that meet the needs of a range of household compositions.</p>	<p><b>AO19</b> No acceptable outcome is provided.</p>	n/a	Not applicable.
<p><b>PO20</b> The road network is to be developed in a logical and sequential manner to provide for the co-ordinated development of the precinct.</p>	<p><b>AO20</b> No acceptable outcome is provided.</p>	n/a	Not applicable.
<p><b>PO21</b> The road network provides encourages walking and cycling to daily activities to reduce local vehicle trips by:</p> <ul style="list-style-type: none"> <li>(a) being based on a street grid network;</li> <li>(b) having walkable block sizes;</li> <li>(c) providing safe, efficient and provides for the needs of all users;</li> <li>(d) having a high level of connectivity for all users; and</li> <li>(e) being linked to destinations such as shops, open space and schools.</li> </ul>	<p><b>AO21</b> No acceptable outcome is provided.</p>	n/a	Not applicable.

**Figure A - Byrnes Street Core vehicle access-ways**





## 8.2.2 Airport environs overlay code

### 8.2.2.1 Application

- (1) This code applies to assessing development where:
  - (a) land the subject of development is affected by a constraint category identified on the **Airport environs overlay maps (OM-002a-f)**; 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.

Note—Strategic airports and aviation facilities are appropriately reflected in Overlay Map 2 and is required to be mapped by State Government in response to Infrastructure State Interests.

### 8.2.2.2 Purpose

- (1) The purpose of the Airport environs overlay code is to protect the current and ongoing operations of established airports, aerodromes and aviation infrastructure in Mareeba Shire.
- (2) The purpose of the code will be achieved through the following overall outcomes:
  - (a) The ongoing operation of Mareeba Airport and its associated infrastructure are protected from incompatible development;
  - (b) Aerodromes in Chillagoe and Dimbulah are maintained to support recreation, mining and rural uses;
  - (c) Operational airspace is protected;
  - (d) Threats to aviation safety such as bird and bat strike and distraction or blinding of pilots are avoided or minimised;
  - (e) State significant aviation facilities associated with the Mareeba Airport are protected from encroachment by sensitive land uses; and
  - (f) Development in the vicinity of airports, aerodromes and aviation infrastructure does not compromise public safety.

### 8.2.2.3 Criteria for assessment

**Table 8.2.2.3 - Airport environs overlay code - For accepted development subject to requirements and assessable development**

Performance outcomes	Acceptable outcomes	Complies	Comments
<b>For accepted development subject to requirements and assessable development</b>			
<b>Protection of operational airspace</b>			
<b>PO1</b> Development does not interfere with movement of aircraft or the safe operation of an airport or aerodrome where within the: (a) Airport environs: OLS area of Mareeba Airport identified on <b>Airport environs overlay map (OM-002c)</b> ; or (b) Airport environs: OLS area of Cairns Airport identified on <b>Airport environs overlay map (OM-002c.1)</b> ; or (c) 'Airport environs: Airport buffer - 1 kilometre' of an aerodrome identified on <b>Airport environs overlay map (OM-002f)</b> ; or (d) 'Airport environs: Airport buffer - 3 kilometres' of an aerodrome identified on <b>Airport environs overlay map (OM-002f)</b> .	<b>AO1.1</b> Development does not exceed the height of the Obstacle Limitation Surface (OLS) where located within the Airport environs: OLS area of: (a) Mareeba Airport identified on <b>Airport environs overlay map (OM-002c)</b> ; or (b) Cairns Airport identified on <b>Airport environs overlay map (OM-002c.1)</b> .	✓	Complies.  The maximum building height is 7.2 metres.
	<b>AO1.2</b> Development has a maximum height of 10 metres where within the 'Airport environs: Airport buffer - 1 kilometre' of an aerodrome identified on <b>Airport environs overlay map (OM-002f)</b> .	n/a	Not applicable.
	<b>AO1.3</b> Development has a maximum height of 15 metres where within the 'Airport environs: Airport buffer - 3 kilometres' of an aerodrome identified on <b>Airport environs overlay map (OM-002f)</b> .	n/a	Not applicable.
<b>Lighting</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO2</b> Development does not include lighting that:</p> <p>(a) has the potential to impact on the efficient and safe operation of Mareeba Airport or an aerodrome; or</p> <p>(b) could distract or confuse pilots.</p>	<p><b>AO2</b> Development within the 'Airport environs: Distance from airport - 6 kilometres' area for Mareeba Airport identified on <b>Airport environs overlay map (OM-002b)</b> or the 'Airport environs: Airport buffer - 3 kilometres' of an aerodrome identified on <b>Airport environs overlay map (OM-002f)</b> does not:</p> <p>(a) involve external lighting, including street lighting, that creates straight parallel lines of lighting that are more than 500 metres long; and</p> <p>(b) does not contain reflective cladding upwards shining lights, flashing lights or sodium lights.</p>	n/a	Not applicable.
<b>Noise exposure</b>			
<p><b>PO3</b> Development not directly associated with Mareeba Airport is protected from aircraft noise levels that may cause harm or undue interference.</p>	<p><b>AO3</b> Sensitive land uses are acoustically insulated to at least the minimum standards specified by AS2021 Acoustics - Aircraft Noise Intrusion - Building Siting and Construction where located within the 'Airport environs: 20-25 ANEF' area identified on <b>Airport environs overlay map (OM-002d)</b>.</p>	n/a	Not applicable.
<b>Public safety</b>			
<p><b>PO4</b> Development does not compromise public safety or risk to property.</p>	<p><b>AO4</b> Development is not located within the 'Airport environs: Mareeba Airport public safety area' identified on <b>Airport environs overlay map (OM-002e)</b>.</p>	n/a	Not applicable.
<b>State significant aviation facilities associated with Mareeba Airport</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO5</b> Development does not impair the function of state significant aviation facilities by creating:</p> <p>(a) physical obstructions; or</p> <p>(b) electrical or electro-magnetic interference; or</p> <p>(c) deflection of signals.</p>	<p><b>AO5.1</b> Development within 'Airport environs: Zone B (600 metre buffer)' for the 'Saddle Mountain VHF' facility identified on <b>Airport environs overlay map (OM-002a.1)</b> does not exceed a height of 640 metres AHD.</p>	n/a	Not applicable.
	<p><b>AO5.2</b> Development within 'Airport environs: Zone B (4,000 metre buffer)' for the 'Hahn Tableland Radar (RSR)' facility identified on <b>Airport environs overlay map (OM-002a)</b> does not exceed a height of 950 metres AHD, unless associated with Hann Tableland Radar facility.</p>	n/a	Not applicable.
	<p><b>AO5.3</b> Building work does not occur within 'Airport environs: Zone A (200 metre buffer)' of the 'Biboohra CVOR' facility identified on <b>Airport environs overlay map (OM-002a)</b> unless associated with the Biboohra CVOR facility.</p>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
	<p><b>AO5.4</b> Development within 'Airport environs: Zone B (1,500 metre buffer)' of the 'Biboohra CVOR' facility identified on <b>Airport environs overlay map (OM-002a)</b>, but outside 'Zone A (200 metre buffer)' identified on <b>Airport environs overlay map (OM-002a)</b>, does not include:</p> <ul style="list-style-type: none"> <li>(a) the creation of a permanent or temporary physical line of sight obstruction above 13 metres in height; or</li> <li>(b) overhead power lines exceeding 5 metres in height; or</li> <li>(c) metallic structures exceeding 7.5 metres in height; or</li> <li>(d) trees and open lattice towers exceeding 10 metres in height; or</li> <li>(e) wooden structures exceeding 13 metres in height.</li> </ul>	n/a	Not applicable.
<b>For assessable development</b>			
<b>Mareeba Airport</b>			
<b>Protection of operational airspace</b>			
<p><b>PO6</b> Development within the vicinity of Mareeba Airport or an aerodrome does not interfere with the:</p> <ul style="list-style-type: none"> <li>(a) movement of aircraft; or</li> <li>(b) safe operation of the airport or facility.</li> </ul>	<p><b>AO6.1</b> Development involving sporting and recreational aviation activities such as parachuting, hot air ballooning or hang gliding, does not occur within the Airport environs: OLS area of:</p> <ul style="list-style-type: none"> <li>(a) Mareeba Airport identified on <b>Airport environs overlay map (OM-002c)</b>; or</li> <li>(b) Cairns Airport identified on <b>Airport environs overlay map (OM-002c.1)</b>.</li> </ul>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
	<p><b>AO6.2</b> Development involving temporary or permanent aviation activities does not occur within the 'Airport environs: Airport buffer - 3 kilometres' of an aerodrome identified on <b>Airport environs overlay map (OM-002f)</b>.</p>	n/a	Not applicable.
<p><b>PO7</b> Development does not affect air turbulence, visibility or engine operation in the operational airspace of Mareeba Airport or regional aerodromes.</p>	<p><b>AO7</b> Development does not result in the emission of a gaseous plume, at a velocity exceeding 4.3 metres per second, or smoke, dust, ash or steam within:</p> <ul style="list-style-type: none"> <li>(a) the Airport environs: OLS area of Mareeba Airport identified on <b>Airport environs overlay map (OM-002c)</b>; or</li> <li>(b) the Airport environs: OLS area of Cairns Airport identified on <b>Airport environs overlay map (OM-002c.1)</b>; or</li> <li>(c) the 'Airport environs: Airport buffer - 1 kilometre' of a regional aerodrome identified on <b>Airport environs overlay map (OM-002f)</b>.</li> </ul>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
<b>Managing bird and bat strike hazard to aircraft</b>			
<b>PO8</b> Development in the environs of Mareeba Airport or an aerodrome does not contribute to the potentially serious hazard from wildlife (bird or bat) strike.	<b>AO8.1</b> Development within the 'Airport environs: Distance from airport - 8 kilometres' Bird and bat strike zone of Mareeba Airport identified on <b>Airport environs overlay map (OM-002b)</b> or the 'Airport environs: Airport buffer - 3 kilometres' of an aerodrome identified on <b>Airport environs overlay map (OM-002f)</b> provides that potential food and waste sources are covered and collected so that they are not accessible to wildlife.	n/a	Not applicable.
	<b>AO8.2</b> Development within the 'Airport environs: Distance from airport - 3 kilometres' Bird and bat strike zone of Mareeba Airport identified on <b>Airport environs overlay map (OM-002b)</b> or the 'Airport environs: Airport buffer - 1 kilometre' of an aerodrome identified on <b>Airport environs overlay map (OM-002f)</b> does not include: (a) food processing; or (b) abattoir; or (c) intensive horticulture; or (d) intensive animal husbandry; or (e) garden centre; or (f) aquaculture.	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
	<p><b>AO8.3</b> Putrescible waste disposal sites do not occur within the 'Airport environs: Distance from airport - 13 kilometres' Bird and bat strike zone of:</p> <p>(a) Mareeba Airport identified on <b>Airport environs overlay map (OM-002b)</b>; or</p> <p>(b) Cairns Airport identified on <b>Airport environs overlay map (OM-002b.1)</b>.</p>	n/a	Not applicable.



## 8.2.5 Extractive resources overlay code

### 8.2.5.1 Application

- (1) This code applies to assessing development where:
  - (a) land the subject of development is affected by a constraint category identified on the **Extractive resources overlay maps (OM-005a-e)**; 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.

Note—Mining and extractive industry is appropriately reflected in the Strategic Framework Maps and Overlay Map 5 and is required to be mapped by State Government in response to Economic Growth State Interests.

### 8.2.5.2 Purpose

- (1) The purpose of the Extractive resources overlay code is to protect significant extractive resources and associated haulage routes to ensure that current and future extraction of resources is not compromised.
- (2) The purpose of the code will be achieved through the following overall outcomes:
  - (a) Development in a 'Key resource processing area' or a 'Local resource area' does not compromise existing or future extractive operations;
  - (b) Development for Extractive industry within a 'Key resource processing area' or a 'Local resource area' ensures that adverse impacts from the use do not extend beyond the identified separation area;
  - (c) Uses incompatible with the adverse impacts of Extractive industry do not develop in a 'Key resource separation area' or a 'Local resource separation area';
  - (d) Development in a 'Key resource separation area' or a 'Local resource separation area' does not compromise the function of the separation area as a buffer between extractive industry and incompatible uses.
  - (e) 'Key resource transport routes' are protected and maintained; and
  - (f) Development considers the existing and future use of 'Key resource processing areas', 'Local resource areas', 'Key resource separation areas', 'Local resource separation areas' and 'Key resource transport routes' for Extractive industry and associated activities.

### 8.2.5.3 Criteria for assessment

**Table 8.2.5.3 - Extractive resources overlay code - For accepted development subject to requirements and assessable development**

Performance outcomes	Acceptable outcomes	Complies	Comments
<b>For accepted development subject to requirements and assessable development</b>			
<b>Haulage route</b>			
<b>PO1</b> Vehicular access to a 'Key resource transport route' identified on <b>Extractive resources overlay map (OM-005e)</b> does not adversely affect the safety or efficiency of the route for	<b>AO1.1</b> No additional access to a 'Key resource transport route' identified on <b>Extractive resources overlay map (OM-005e)</b> is provided.	✓	The subject land has an existing access onto Chewko Road.  Access to and from Chewko Road will continue.

Performance outcomes	Acceptable outcomes	Complies	Comments
the existing or future transportation of extractive resources from a 'Key resource processing area' identified on <b>Extractive resources overlay map (OM-005e)</b> .	<b>AO1.2</b> Development does not result in an increase in the number of vehicles accessing the site from a 'Key resource transport route' identified on <b>Extractive resources overlay map (OM-005e)</b> .	✓	The subject land has an existing access onto Chewko Road.  Access to and from Chewko Road will continue.
<b>PO2</b> Development is appropriately located to minimise potential amenity impacts from the use of a 'Key resource transport route' identified on <b>Extractive resources overlay map (OM-005e)</b> for the existing or future transportation of extractive resources from a 'Key resource processing area' identified on <b>Extractive resources overlay map (OM-005e)</b> .	<b>AO2.1</b> Sensitive land uses susceptible to heavy vehicle traffic impacts are setback 100 metres from any frontage to a 'Key resource transport route' identified on <b>Extractive resources overlay map (OM-005e)</b> .	✓	Complies.  The proposed development is not a sensitive land use.
	<b>AO2.2</b> New lots are not created wholly within 100 metres from any frontage to a 'Key resource transport route' identified on <b>Extractive resources overlay map (OM-005e)</b> .	n/a	Not applicable.
<b>For assessable development</b>			
<b>Key resource area</b>			
<b>PO3</b> Development in a 'Key resource processing area' or a 'Local resource area' identified on <b>Extractive resources overlay map (OM-005e)</b> does not compromise existing or future extractive operations.	<b>AO3</b> No acceptable outcome is provided.	n/a	Not applicable.
<b>Separation area</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO4</b> Development in a 'Key resource separation area' or a 'Local resource separation area' identified on <b>Extractive resources overlay map (OM-005e)</b> does not compromise the function of the separation area as a buffer between Extractive industry and incompatible uses.</p>	<p><b>AO4</b> The number of people living, working or congregating in a 'Key resource separation area' or a 'Local resource separation area' identified on <b>Extractive resources overlay map (OM-005e)</b> does not increase, unless these people are directly associated with the use of a 'Key resource processing area' or a 'Local resource area' for Extractive industry.</p>	n/a	Not applicable.
<p><b>PO5</b> Development of Extractive industry in a 'Key resource separation area' or a 'Local resource separation area' identified on <b>Extractive resources overlay map (OM-005e)</b> does not result in adverse impacts beyond the separation area, having regard to:</p> <ul style="list-style-type: none"> <li>(a) noise;</li> <li>(b) dust;</li> <li>(c) ground vibrations; and</li> <li>(d) air blast overpressure .</li> </ul>	<p><b>AO5</b> No acceptable outcome is provided.</p>	n/a	Not applicable.

### 9.3.5 Industrial activities code

#### 9.3.5.1 Application

- (1) This code applies to assessing development where:
  - (a) involving Industrial activities; 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.

#### 9.3.5.2 Purpose

- (1) The purpose of the Industrial activities code is to ensure Industrial activities are:
  - (a) appropriately located within designated industrial areas;
  - (b) established and operated in an efficient manner with minimal impact on the character, scale, amenity and environmental values of the surrounding area; and
  - (c) managed to allow for progressive rehabilitation where involving Extractive industry.
- (2) The purpose of the code will be achieved through the following overall outcomes:
  - (a) Industrial activities are appropriately located having regard to topography, surrounding land uses, natural environment, accessibility, local character and potential social and community impacts;
  - (b) Industrial activities meet the needs of the local community and the local economy through well located, safe and convenient points of service;
  - (c) Industrial activities are designed to have minimal impact on the character, amenity and environment of the surrounding area;
  - (d) Industrial activities provide a safe working environment;
  - (e) Industrial activities are designed to promote sustainability and energy efficiency;
  - (f) Industrial activities are co-located with complimentary and compatible uses;
  - (g) External impacts associated with Extractive industry operations do not impact on the character and amenity of the surrounding area and the safety and wellbeing of the community;
  - (h) Extractive industry operations are adequately separated from potentially incompatible land uses; and
  - (i) Extractive industry sites are progressively rehabilitated.

### 9.3.5.3 Criteria for assessment

**Table 9.3.5.3—Industrial activities code— For accepted development subject to requirements and assessable development**

<b>Performance outcomes</b>	<b>Acceptable outcomes</b>	<b>Complies</b>	<b>Comments</b>
<b>For accepted development subject to requirements and assessable development</b>			
<b>Separation</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO1</b> Industrial activities are appropriately separated from sensitive uses to ensure their amenity is maintained, having regard to:</p> <ul style="list-style-type: none"> <li>(a) noise;</li> <li>(b) odour;</li> <li>(c) light; and</li> <li>(d) emissions.</li> </ul> <p>Note—Development proposed to be located closer than the separation distances specified in AO2 requires supporting investigations to demonstrate that the expected impacts from the industry use have been adequately mitigated in consideration of the local context.</p>	<p><b>AO1</b> Development is separated from sensitive uses as follows:</p> <ul style="list-style-type: none"> <li>(a) medium impact industry—250 metres; or</li> <li>(b) high impact industry—500 metres; or</li> <li>(c) special industry— 1.5 kilometres.</li> </ul>	<p style="text-align: center;">✓</p> <p>Complies with PO1</p>	<p>The application proposes Medium Impact Industry.</p> <p>The subject land is approximately 100 metres from the nearest Low Density Residential zoned land.</p> <p>Notwithstanding a separation distance less than 250 metres, the subject land is centrally located within an established industrial area.</p> <p>Part of the subject land (58 Chewko Road) is presently used for abrasive sand blasting and the use proposed by this application is already carried out on land adjoining to the north-west (11-13 Wallace Street). Both existing uses have operated from their current locations for in excess of 10 years without adverse impact on the Low Density Residential areas.</p> <p>The relocation of the proposed use from 11-13 Wallace Drive to the subject land will satisfy PO1.</p>
<b>For assessable development</b>			
<b>Amenity</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO2</b> Industrial activities protect and enhance the character and amenity of the locality and streetscape through the appropriate location and screening of:</p> <ul style="list-style-type: none"> <li>(a) air conditioning;</li> <li>(b) refrigeration plant;</li> <li>(c) mechanical plant; and</li> <li>(d) refuse bin storage areas.</li> </ul>	<p><b>AO2</b> No acceptable outcome is provided.</p>	✓	The development will be conditioned to comply.
<p><b>PO3</b> Development avoids and, where unavoidable, mitigates impacts on ground water, particularly where ground water is heavily drawn upon for irrigation or domestic purposes.</p>	<p><b>AO3</b> No acceptable outcome is provided.</p>	n/a	The development is serviced by reticulated town water and sewerage infrastructure.
<b>If for Extractive industry</b>			
<p><b>PO4</b> The site has sufficient area and dimensions to safely accommodate:</p> <ul style="list-style-type: none"> <li>(a) the extractive use;</li> <li>(b) vehicular access and on site vehicular movements;</li> <li>(c) buildings including staff facilities;</li> <li>(d) parking areas for visitors and employees;</li> <li>(e) storage areas and stockpiles;</li> <li>(f) any environmentally significant land; and</li> <li>(g) landscaping and buffer areas.</li> </ul> <p>Note—Refer to Planning Scheme Policy 3 - Extractive Industry.</p>	<p><b>AO4</b> No acceptable outcome is provided.</p>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
<b>PO5</b> Extractive industry is established and operated in a way that does not impact on public safety.	<b>AO5</b> Safety fencing is provided for the full length of the perimeter of the site and is appropriately signed with warning signs advising of the nature of the use and any danger or hazard.	n/a	Not applicable.
<b>PO6</b> Extractive industry is appropriately located to adequately mitigate visual, noise, vibration and dust impacts on sensitive uses.	<b>AO6</b> All aspects of the Extractive industry are setback from all boundaries: (a) 200 metres where not involving blasting or crushing; and (b) 1,000 metres for where involving blasting or crushing.  Note—Refer to Planning Scheme Policy 3 - Extractive Industry.	n/a	Not applicable.
<b>PO7</b> The Extractive industry is designed and managed to appropriately address its interface with the natural environment and landscape, having regard to: (a) water quality; (b) existing vegetation; and (c) declared plants.	<b>AO7.1</b> The Extractive industry does not cause a reduction in the quality of ground water or receiving surface waters.	n/a	Not applicable.
	<b>AO7.2</b> Vegetation is retained on site that contributes towards alleviating the impact of the development on the visual amenity of surrounding sensitive land uses.	n/a	Not applicable.
	<b>AO7.3</b> No declared plants are transported from the site.	n/a	Not applicable.



Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO8</b>  Extractive industry actively integrates rehabilitation into the ongoing operations on the site to progressively restore the site to its original (or an improved) condition, having regard to matters of:</p> <ul style="list-style-type: none"> <li>(a) locally prevalent plant species;</li> <li>(b) plant spacing;</li> <li>(c) local climatic conditions;</li> <li>(d) locations of waterways and wetlands;</li> <li>(e) ongoing maintenance;</li> <li>(f) potential habitat opportunities;</li> <li>(g) erosion and sediment control; and</li> <li>(h) fencing.</li> </ul> <p>Note—A revegetation plan must be prepared by a suitably experienced person in the field of natural area revegetation and rehabilitation, at a standard acceptable to Council, which addresses the items identified in Performance Outcome PO8.</p>	<p><b>AO8</b>  No acceptable outcome is provided.</p>	<p>n/a</p>	<p>Not applicable.</p>

## 9.4.2 Landscaping code

### 9.4.2.1 Application

This code applies 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.

### 9.4.2.2 Purpose

- (1) The purpose of the Landscaping code is to ensure all development is landscaped to a standard that:
  - (a) complements the scale and appearance of the development;
  - (b) protects and enhances the amenity and environmental values of the site;
  - (c) complements and enhances the streetscape and local landscape character; and
  - (d) ensures effective buffering of incompatible land uses to protect local amenity.
  
- (2) The purpose of the code will be achieved through the following overall outcomes:
  - (a) Landscaping is a functional part of development design and is commensurate with the intended use;
  - (b) Landscaping accommodates the retention of existing significant on site vegetation where appropriate and practical;
  - (c) Landscaping treatments complement the scale, appearance and function of the development;
  - (d) Landscaping contributes to an attractive streetscape;
  - (e) Landscaping enhances the amenity and character of the local area;
  - (f) Landscaping enhances natural environmental values of the site and the locality;
  - (g) Landscaping provides effective screening both on site, if required, and between incompatible land uses;
  - (h) Landscaping provides shade in appropriate circumstances;
  - (i) Landscape design enhances personal safety and reduces the potential for crime and vandalism; and
  - (j) Intensive land uses incorporate vegetated buffers to provide effective screening of buildings, structures and machinery associated with the use.

### 9.4.2.3 Criteria for assessment

**Table 9.4.2.3A—Landscaping code - For accepted development subject to requirements and assessable development**

<b>Performance outcomes</b>	<b>Acceptable outcomes</b>	<b>Complies</b>	<b>Comments</b>
<b>For accepted development subject to requirements and assessable development</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO1</b> Development, other than in the Rural zone, includes landscaping that:</p> <ul style="list-style-type: none"> <li>(a) contributes to the landscape character of the Shire;</li> <li>(b) compliments the character of the immediate surrounds;</li> <li>(c) provides an appropriate balance between built and natural elements; and</li> <li>(d) provides a source of visual interest.</li> </ul>	<p><b>AO1</b> Development, other than in the Rural zone, provides:</p> <ul style="list-style-type: none"> <li>(a) a minimum of 10% of the site as landscaping;</li> <li>(b) planting in accordance with Planning Scheme Policy 6 - Landscaping and preferred plant species;</li> <li>(c) for the integration of retained significant vegetation into landscaping areas;</li> <li>(d) on-street landscaping works in accordance with the Design Guidelines set out in Section D9 Landscaping, of the Planning Scheme Policy 4 - FNQROC Regional Development Manual.</li> </ul> <p>Note—Where development exceeds a site cover of 90%, areas of landscaping may be provided above ground level to achieve a total supply of landscaping equivalent to 10% of the site area.</p>	<p style="text-align: center;">✓ <b>Complies with PO1</b></p>	<p>The proposed development provides for approximately 6.9% of the site to be landscaped.</p> <p>A minimum 2 metre wide landscaping strip will be provided along the Chewko Road frontage, excluding the entry and exit locations.</p> <p>An additional landscaping strip will be established along the north-eastern edge of the main carparking area.</p> <p>Despite not achieving 10% of the site area, the landscaping proposed will satisfy the Performance Outcome and will be considerably more than most established industrial developments in the vicinity.</p>

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO2</b> Development, other than in the Rural zone, includes landscaping along site frontages that:</p> <ul style="list-style-type: none"> <li>(a) creates an attractive streetscape;</li> <li>(b) compliments the character of the immediate surrounds;</li> <li>(c) assists to break up and soften elements of built form;</li> <li>(d) screen areas of limited visual interest or servicing;</li> <li>(e) provide shade for pedestrians; and</li> <li>(f) includes a range and variety of planting.</li> </ul>	<p><b>AO2</b> Development, other than in the Rural zone, includes a landscape strip along any site frontage:</p> <ul style="list-style-type: none"> <li>(a) with a minimum width of 2 metres where adjoining a car parking area;</li> <li>(b) with a minimum width of 1.5 metres in all other locations; and</li> <li>(c) in accordance with Planning Scheme Policy 6 - Landscaping and preferred plant species.</li> </ul> <p>Note—Where development is setback from a frontage less than 1.5 metres, the setback area is provided as a landscape strip</p>	✓	A minimum 2 metre wide landscaping strip will be provided along the Chewko Road frontage, excluding the entry and exit locations.
<p><b>PO3</b> Development includes landscaping and fencing along side and rear boundaries that:</p> <ul style="list-style-type: none"> <li>(a) screens and buffer land uses;</li> <li>(b) assists to break up and soften elements of built form;</li> <li>(c) screens areas of limited visual interest;</li> <li>(d) preserves the amenity of sensitive land uses; and</li> <li>(e) includes a range and variety of planting.</li> </ul>	<p><b>AO3.1</b> Development provides landscape treatments along side and rear boundaries in accordance with <b>Table 9.4.2.3B</b>.</p>	✓	The development complies.
	<p><b>AO3.2</b> Shrubs and trees provided in landscape strips along side and rear boundaries:</p> <ul style="list-style-type: none"> <li>(a) are planted at a maximum spacing of 1 metre;</li> <li>(b) will grow to a height of at least 2 metres;</li> <li>(c) will grow to form a screen of no less than 2 metres in height; and</li> <li>(d) are mulched to a minimum depth of 0.1 metres with organic mulch.</li> </ul>	✓	The development will be conditioned to comply.

Performance outcomes	Acceptable outcomes	Complies	Comments
	<p><b>AO3.3</b> Any landscape strip provided along a side or rear boundary is designed in accordance with Planning Scheme Policy 6 - Landscaping and preferred plant species.</p>	✓	The development will be conditioned to comply.
<p><b>PO4</b> Car parking areas are improved with a variety of landscaping that:</p> <p>(a) provides visual interest;</p> <p>(b) provides a source of shade for pedestrians;</p> <p>(c) assists to break up and soften elements; and</p> <p>(d) improves legibility.</p>	<p><b>AO4.1</b> Landscaping is provided in car parking areas which provides:</p> <p>(a) a minimum of 1 shade tree for every 4 parking spaces, or part thereof, where the car parking area includes 12 or more spaces;</p> <p>(b) a minimum of 1 shade tree for every 6 parking spaces, or part thereof, otherwise; and</p> <p>(c) where involving a car parking area in excess of 500m<sup>2</sup>:</p> <p>(i) shade structures are provided for 50% of parking spaces; and</p> <p>(ii) a minimum of 10% of the parking area as landscaping.</p> <p>Note—Where a shade structure is provided over part of a car parking area, shade tree planting is not required in this area of the car parking area.</p>	✓	The development will be conditioned to comply.
	<p><b>AO4.2</b> Landscaping in car parking areas is designed in accordance with Planning Scheme Policy 6 - Landscaping and preferred plant species.</p>	✓	The development will be conditioned to comply.
<p><b>PO5</b> Landscaping areas include a range and variety of planting that:</p> <p>(a) is suitable for the intended purpose</p>	<p><b>AO5.1</b> Plant species are selected from the Plant Schedule in Planning Scheme Policy 6 - Landscaping and preferred plant species.</p>	✓	The development will be conditioned to comply.

Performance outcomes	Acceptable outcomes	Complies	Comments
and local conditions; (b) contributes to the natural character of the Shire; (c) includes native species; (d) includes locally endemic species, where practical; and (e) does not include invasive plants or weeds.	<b>AO5.2</b> A minimum of 25% of (new and existing) plants is provided as larger, advanced stock with a minimum plant height of 0.7 metres and mulched to a minimum depth of 0.1 metres with organic mulch.	✓	The development will be conditioned to comply.
<b>PO6</b> Landscaping does not impact on the ongoing provision of infrastructure and services to the Shire.	<b>AO6.1</b> Tree planting is a minimum of (a) 2 metres from any underground water, sewer, gas, electricity or telecommunications infrastructure; and (b) 4 metres from any inspection chamber.	✓	The development will be conditioned to comply.
	<b>AO6.2</b> Vegetation below or within 4 metres of overhead electricity lines and power poles has a maximum height of 3.5 metres at maturity.	✓	The development will be conditioned to comply.
	<b>AO6.3</b> Vegetation adjoining an electricity substation boundary, at maturity, will have: (a) a height of less than 4 metres; and (b) no foliage within 3 metres of the substation boundary, unless the substation has a solid wall along any boundary.	n/a	Not applicable.
<b>For assessable development</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO7</b> Landscaping areas are designed to:</p> <ul style="list-style-type: none"> <li>(a) be easily maintained throughout the ongoing use of the site;</li> <li>(b) allow sufficient area and access to sunlight and water for plant growth;</li> <li>(c) not cause a nuisance to occupants of the site or members of the public; and</li> <li>(d) maintain or enhance the safety of pedestrians through the use of Crime Prevention Through Environmental Design principles.</li> </ul>	<p><b>AO7</b> No acceptable outcome is provided.</p>	<p>✓</p>	<p>The development will be conditioned to comply.</p>



**Table 9.4.2.3B—Side and rear boundary landscape treatments**

Location or use	Landscape Strip Minimum Width	Screen Fencing Minimum Height	Extent of treatment
Where car parking, servicing or manoeuvring areas adjoin a side or rear boundary	1 metre	Not applicable	To the extent these areas adjoin the boundary
Where involving a use other than a dwelling house on a site with a common boundary with land in the Low density residential zone, the Medium density residential zone or the Rural residential zone:	1.5 metres	1.8 metres	Along the common boundary.
Development for an industrial activity which has a common boundary with land not within the Industry zone	2 metres	1.8 metres	Along the common boundary
Development involving (a) Tourist park not in the Rural zone (b) Sales office (c) Multiple dwelling (d) Residential care facility; or (e) Dual occupancy	Not applicable	1.8 metres	Along all side and rear boundaries and between dwellings for a Dual occupancy.
Development involving (a) Tourist park in the Rural zone (b) Service station (c) Car wash; or (d) Utility installation	2 metres	Not applicable	Along all side and rear boundaries
For: (a) waste storage; (b) equipment; (c) servicing areas; and (d) private open space and site facilities associated with Caretaker's accommodation.	Not applicable	1.8 metres	To prevent visibility

Note—Where more than one landscape treatment is applicable to a development in the above table, the development is to provide a landscape treatment that satisfies all applicable minimum specifications.

### 9.4.3 Parking and access code

#### 9.4.3.1 Application

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.

#### 9.4.3.2 Purpose

- (1) The purpose of the Parking and access code is to ensure:
  - (a) parking areas are appropriately designed, constructed and maintained;
  - (b) the efficient functioning of the development and the local road network; and
  - (c) all development provides sufficient parking, loading/service and manoeuvring areas to meet the demand generated by the use.
  
- (2) The purpose of the code will be achieved through the following overall outcomes:
  - (a) Land uses have a sufficient number of parking and bicycle spaces designed in a manner to meet the requirements of the user;
  - (b) Parking spaces and associated manoeuvring areas are safe, functional and provide equitable access;
  - (c) Suitable access for all types of vehicles likely to utilise a parking area is provided in a way that does not compromise the safety and efficiency of the surrounding road network;
  - (d) Premises are adequately serviced to meet the reasonable requirements of the development; and
  - (e) End of trip facilities are provided by new major developments to facilitate alternative travel modes.

#### 9.4.3.3 Criteria for assessment

**Table 9.4.3.3A—Parking and access code – For accepted development subject to requirements and assessable development**

Performance outcomes	Acceptable outcomes	Complies	Comments
<b>For accepted development subject to requirements and assessable development</b>			
<b>Car parking spaces</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO1</b> Development provides sufficient car parking to accommodate the demand likely to be generated by the use, having regard to the:</p> <p>(a) nature of the use; (b) location of the site; (c) proximity of the use to public transport services; (d) availability of active transport infrastructure; and (e) accessibility of the use to all members of the community.</p>	<p><b>AO1</b> The number of car parking spaces provided for the use is in accordance with <b>Table 9.4.3.3B</b>.</p> <p>Note—Car parking spaces provided for persons with a disability are to be considered in determining compliance with AO1.</p>	✓	<p>Table 9.4.3.3B nominates the following for Medium Impact Industry:</p> <ul style="list-style-type: none"> <li>• 1 space per 90m<sup>2</sup> GFA + one HRV or AV space need to be provided.</li> </ul> <p>The applicable GFA, excluding covered drive and staff facilities, is 1,331m<sup>2</sup>.</p> <p>At the applicable rate of 1 space per 90m<sup>2</sup>, the 15 spaces proposed by the applicant is compliant. Space exists on site for a HRV.</p> <p>The development complies.</p>
<b>Vehicle crossovers</b>			
<p><b>PO2</b> Vehicle crossovers are provided to:</p> <p>(a) ensure safe and efficient access between the road and premises; (b) minimize interference with the function and operation of roads; and</p>	<p><b>AO2.1</b> Vehicular access to/from Council roads is designed and constructed in accordance with the Standard drawings in Planning Scheme Policy 4 - FNQROC Regional Development Manual.</p>	✓	<p>The development will be conditioned to comply.</p>

Performance outcomes	Acceptable outcomes	Complies	Comments
(c) minimise pedestrian to vehicle conflict.	<b>AO2.2</b> Development on a site with two or more road frontages provides vehicular access from: <ul style="list-style-type: none"> <li>(a) the primary frontage where involving Community activities or Sport and recreation activities, unless the primary road frontage is a State-controlled road; or</li> <li>(b) from the lowest order road in all other instances.</li> </ul>	✓	Access will comply with PO2.
	<b>AO2.3</b> Vehicular access for particular uses is provided in accordance with <b>Table 9.4.3.3E</b> .	✓	The development will comply.
<b>PO3</b> Access, manoeuvring and car parking areas include appropriate pavement treatments having regard to: <ul style="list-style-type: none"> <li>(a) the intensity of anticipated vehicle movements;</li> <li>(b) the nature of the use that they service; and</li> <li>(c) the character of the surrounding locality.</li> </ul>	<b>AO3</b> Access, manoeuvring and car parking areas include pavements that are constructed in accordance with <b>Table 9.4.3.3C</b> .	✓	The development will comply.
<b>For assessable development</b>			
<b>Parking area location and design</b>			
<b>PO4</b> Car parking areas are located and designed to: <ul style="list-style-type: none"> <li>(a) ensure safety and efficiency in operation; and</li> <li>(b) be consistent with the</li> </ul>	<b>AO4.1</b> Car parking spaces, access and circulation areas have dimensions in accordance with AS/NZS 2890.1 Off-street car parking.	✓	The development will comply.

Performance outcomes	Acceptable outcomes	Complies	Comments
character of the surrounding locality.	<b>AO4.2</b> Disabled access and car parking spaces are located and designed in accordance with AS/NZS 2890.6 Parking facilities - Off-street parking for people with disabilities.	✓	The development will comply.
	<b>AO4.3</b> The car parking area includes designated pedestrian routes that provide connections to building entrances.	✓	The development will comply.
	<b>AO4.4</b> Parking and any set down areas are: <ul style="list-style-type: none"> <li>(a) wholly contained within the site;</li> <li>(b) visible from the street where involving Commercial activities, Community activities, Industrial activities or a use in the Recreation and open space zone;</li> <li>(c) are set back behind the main building line where involving a Dual occupancy, Multiple dwelling, Residential care facility or Retirement facility; and</li> <li>(d) provided at the side or rear of a building in all other instances.</li> </ul>	✓	The development will comply.
<b>Site access and manoeuvring</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO5</b> Access to, and manoeuvring within, the site is designed and located to:</p> <ul style="list-style-type: none"> <li>(a) ensure the safety and efficiency of the external road network;</li> <li>(b) ensure the safety of pedestrians;</li> <li>(c) provide a functional and convenient layout; and</li> <li>(d) accommodate all vehicles intended to use the site.</li> </ul>	<p><b>AO5.1</b> Access and manoeuvrability is in accordance with :</p> <ul style="list-style-type: none"> <li>(a) AS28901 – Car Parking Facilities (Off Street Parking); and</li> <li>(b) AS2890.2 – Parking Facilities (Off-street Parking) Commercial Vehicle Facilities.</li> </ul> <p>Note—Proposal plans should include turning circles designed in accordance with AP34/95 (Austroads 1995) Design Vehicles and Turning Path Templates.</p>	✓	The development will comply.
	<p><b>AO5.2</b> Vehicular access has a minimum sight distance in accordance with Part 5 of AUSTROADS.</p>	✓	The development will comply.
	<p><b>AO5.3</b> Vehicular access is located and designed so that all vehicles enter and exit the site in a forward gear.</p>	✓	The development will comply.
	<p><b>AO5.4</b> Pedestrian and cyclist access to the site:</p> <ul style="list-style-type: none"> <li>(a) is clearly defined;</li> <li>(b) easily identifiable; and</li> <li>(c) provides a connection between the site frontage and the entrance to buildings and end of trip facilities (where provided).</li> </ul>	✓	The development will comply.

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO6</b> Development that involves an internal road network ensures that it's design:</p> <p>(a) ensure safety and efficiency in operation;</p> <p>(b) does not impact on the amenity of residential uses on the site and on adjoining sites, having regard to matters of:</p> <p>(i) hours of operation;</p> <p>(ii) noise</p> <p>(iii) light; and</p> <p>(iv) odour;</p> <p>(c) accommodates the nature and volume of vehicle movements anticipated to be generated by the use;</p> <p>(d) allows for convenient access to key on-site features by pedestrians, cyclists and motor vehicles; and</p> <p>(e) in the Rural zone, avoids environmental degradation.</p>	<p><b>AO6.1</b> Internal roads for a Tourist park have a minimum width of:</p> <p>(a) 4 metres if one way; or</p> <p>(b) 6 metres if two way.</p>	n/a	Not applicable.
	<p><b>AO6.2</b> For a Tourist park, internal road design avoids the use of cul-de-sacs in favour of circulating roads, where unavoidable, cul-de-sacs provide a full turning circle for vehicles towing caravans having:</p> <p>(a) a minimum approach and departure curve radius of 12 metres; and</p> <p>(b) a minimum turning circle radius of 8 metres.</p>	n/a	Not applicable.
	<p><b>AO6.3</b> Internal roads are imperviously sealed and drained, apart from those for an Energy and infrastructure activity or Rural activity.</p>	✓	The development will comply.
	<p><b>AO6.4</b> Speed control devices are installed along all internal roads, apart from those for an Energy and infrastructure activity or Rural activity, in accordance with Complete Streets.</p>	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
	<p><b>AO6.5</b> Internal roads, apart from those for an Energy and infrastructure activity or Rural activity, are illuminated in accordance with AS 4282 (as amended) - Control of Obtrusive effects of outdoor lighting.</p>	✓	The development will comply.
	<p><b>AO6.6</b> Where involving an accommodation activity, internal roads facilitate unobstructed access to every dwelling, accommodation unit, accommodation site and building by emergency services vehicles.</p>	n/a	Not applicable.
	<p><b>AO6.7</b> For an Energy and infrastructure activity or Rural activity, internal road gradients: (a) are no steeper than 1:5; or (b) are steeper than 1:5 and are sealed.</p>	n/a	Not applicable.
<b>Servicing</b>			



Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO7</b> Development provides access, maneuvering and servicing areas on site that:</p> <p>(a) accommodate a service vehicle commensurate with the likely demand generated by the use;</p> <p>(b) do not impact on the safety or efficiency of internal car parking or maneuvering areas;</p> <p>(c) do not adversely impact on the safety or efficiency of the road network;</p> <p>(d) provide for all servicing functions associated with the use; and</p> <p>(e) are located and designed to minimise their impacts on adjoining sensitive land uses and streetscape quality.</p>	<p><b>A07.1</b> All unloading, loading, service and waste disposal areas are located:</p> <p>(a) on the site;</p> <p>(b) to the side or rear of the building, behind the main building line;</p> <p>(c) not adjacent to a site boundary where the adjoining property is used for a sensitive use.</p>	✓	The development complies.
	<p><b>A07.2</b> Unloading, loading, service and waste disposal areas allow service vehicles to enter and exit the site in a forward gear.</p>	✓	The development complies.
	<p><b>A07.3</b> Development provides a servicing area, site access and maneuvering areas to accommodate the applicable minimum servicing vehicle specified in <b>Table 9.4.3.3B</b>.</p>	✓	The development complies.
<b>Maintenance</b>			
<p><b>PO8</b> Parking areas are used and maintained for their intended purpose.</p>	<p><b>A08.1</b> Parking areas are kept and used exclusively for parking and are maintained in a suitable condition for parking and circulation of vehicles.</p>	✓	The development will comply.
	<p><b>A08.2</b> All parking areas will be compacted, sealed, drained, line marked and maintained until such time as the development ceases.</p>	✓	The development will comply.

Performance outcomes	Acceptable outcomes	Complies	Comments
<b>End of trip facilities</b>			
<p><b>PO9</b> Development within the Centre zone; Industry zone or Emerging community zone provides facilities for active transport users that:</p> <p>(a) meet the anticipated demand generated from the use;</p> <p>(b) comprise secure and convenient bicycle parking and storage; and</p> <p>(c) provide end of trip facilities for all active transport users.</p>	<p><b>AO9.1</b> The number of bicycle parking spaces provided for the use is in accordance with <b>Table 9.4.3.3D</b>.</p>	n/a	Not applicable.
	<p><b>AO9.2</b> End of trip facilities are provided in accordance with <b>Table 9.4.3.3D</b>.</p>	n/a	Not applicable.
<b>If for Educational establishment or Child care centre where involving more than 100 vehicle movements per day or Renewable energy facility, Sport and recreation activities or Tourist park</b>			
<p><b>PO10</b> The level of traffic generated by the development on the surrounding local road network must not result in unacceptable impacts on adjacent land and local road users.</p>	<p><b>AO10</b> A traffic impact report is prepared by a suitably qualified person that identifies:</p> <p>(a) the expected traffic movements to be generated by the facility;</p> <p>(b) any associated impacts on the road network; and</p> <p>(c) any works that will be required to address the identified impacts.</p>	n/a	Not applicable.
<b>If for Educational establishment or Child care centre where involving more than 100 vehicle movements per day or Renewable energy facility, Sport and recreation activities or Tourist park</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO11</b> The level of traffic generated by the development on the surrounding local road network must not result in unacceptable impacts on adjacent land and local road users.</p>	<p><b>AO11</b> A traffic impact report is prepared by a suitably qualified person that identifies:</p> <ul style="list-style-type: none"> <li>(d) the expected traffic movements to be generated by the facility;</li> <li>(e) any associated impacts on the road network; and</li> <li>(f) any works that will be required to address the identified impacts.</li> </ul>	<p>n/a</p>	<p>Not applicable.</p>

**Table 9.4.3.3B—Vehicle Parking and Service Vehicle Space Requirements**

Definition		Minimum number of Car parking spaces	Minimum Service Vehicle Space Provision
<b>Medium industry</b>	<b>impact</b>	One space per 90m <sup>2</sup> GFA or part thereof.	One AV space if the site has an area greater than 2,000m <sup>2</sup> , otherwise One HRV.

Note—Any use not herein defined - as determined by Council.

**Table 9.4.3.3C—Pavement Standards for Access, Manoeuvring and Car Parking areas**

Zone	Compacted Gravel Base (minimum thickness)	Surfacing Options
<b>All development other than dwelling house</b>		
All zones other than the Conservation zone or the Rural zone	75mm	Reinforced concrete with a minimum thickness of: <ul style="list-style-type: none"> <li>• 100mm for parking areas; and</li> <li>• 150mm for access ways.</li> </ul>
	150mm	Asphalt with a minimum thickness of 25mm
	150mm	Two coat sprayed bitumen seal
	150mm	Concrete pavers
Conservation zone or Rural zone	Not applicable	Minimum 150mm thickness compacted gravel suitable for all weather and dust free
<b>Dwelling house</b>		
All zones	75mm	Reinforced concrete with a minimum thickness of: <ul style="list-style-type: none"> <li>• 100mm for parking areas; and</li> <li>• 150mm for access ways.</li> </ul>
	150mm	Asphalt with a minimum thickness of 25mm
	150mm	Two coat sprayed bitumen seal
	150mm	Concrete pavers
	Not applicable	Minimum 150mm thickness compacted gravel suitable for all weather and dust free

Note—Where more than one surfacing option is listed, any one of the treatments listed may be provided.

**Table 9.4.3.3D—Bicycle Parking and End of Trip Facility Requirements**

Definition	Minimum number of bicycle parking spaces	Minimum end of trip facilities
<b>Commercial activities</b>	<p>New or redeveloped commercial activities buildings (other than a shopping centre), provide:</p> <ul style="list-style-type: none"> <li>• For employees - secure bicycle storage for 8% of building staff (based on one person per 60m<sup>2</sup> Gross leasable area). Secure bicycle parking involves a bicycle locker or bicycle rail in a locked compound/cage; and</li> <li>• visitor facilities:               <ul style="list-style-type: none"> <li>- one bicycle rack space per 750m<sup>2</sup> NLA or part thereof; and</li> <li>- bicycle parking, signposted; and adjacent to a major public entrance to the building.</li> </ul> </li> </ul>	<p>New or redeveloped commercial activities buildings (other than a shopping centre), provide the following employee facilities, which are continually accessible to employees:</p> <ul style="list-style-type: none"> <li>• accessible showers at the rate of one shower per 10 bicycle spaces provided or part thereof;</li> <li>• changing facilities adjacent to showers; and</li> <li>• secure lockers in the changing facilities for 20% of building staff (based on one person per 60m<sup>2</sup> GLA to cater for walkers, cyclists and other active users.</li> </ul>
<b>Community use</b>	Four spaces per 1,500m <sup>2</sup> GFA.	As determined by Council.

Definition	Minimum number of bicycle parking spaces	Minimum end of trip facilities
<b>Educational establishment</b>	<p>New or redeveloped education facilities, provide:</p> <ul style="list-style-type: none"> <li>• For employees - secure bicycle storage for 8% of building staff (based on one person per 75m<sup>2</sup> GLA). Secure bicycle parking involves a bicycle locker or bicycle rail in a locked compound/cage; and</li> <li>• For students: <ul style="list-style-type: none"> <li>- minimum of 8% of the peak number of students using the building at any one time (with 75% occupancy); and</li> <li>- bicycle storage within 100m of the building front entrance(s); or added to the campus central bicycle storage area.</li> </ul> </li> </ul>	<p>New or redeveloped education facilities, provide the following employee facilities, which are continually accessible to employees:</p> <ul style="list-style-type: none"> <li>• accessible showers at the rate of one per 10 bicycle spaces provided or part thereof;</li> <li>• changing facilities adjacent to showers; and</li> <li>• secure lockers in changing facilities for 20% of building staff (based on one person per 75m<sup>2</sup> GLA) to cater for cyclists, walkers and other active users.</li> </ul>
<b>Food &amp; drink outlet</b>	One space per 100m <sup>2</sup> GFA.	As determined by Council.
<b>Function facility</b>	One space per 300m <sup>2</sup> GFA.	As determined by Council.

Definition	Minimum number of bicycle parking spaces	Minimum end of trip facilities
<b>Health care services</b>	<p>New or redeveloped healthcare facilities, provide the following facilities:</p> <ul style="list-style-type: none"> <li>• For employees - secure bicycle storage for 5% of building staff (based on one person per 75m<sup>2</sup> GLA). Secure bicycle parking involves a bicycle locker or bicycle rail in a locked compound/cage; and</li> <li>• For visitors: <ul style="list-style-type: none"> <li>- facilities with in-patient accommodation provide one space per each 30 beds;</li> <li>- facilities without in-patient accommodation provide one space per each 4 practitioners;</li> <li>- aged care facilities provide one space per each 60 beds;</li> <li>- In every instance above, provide a minimum of 5 bicycle parking spaces; and</li> <li>- bicycle parking provided: in an accessible location, signposted and within 10m a major public entrance to the building.</li> </ul> </li> </ul>	<p>New or redeveloped healthcare facilities, provide the following employee facilities, which are continually accessible to employees:</p> <ul style="list-style-type: none"> <li>• accessible showers at the rate of one per 10 bicycle spaces provided or part thereof;</li> <li>• changing facilities adjacent to showers; and</li> <li>• secure lockers in changing facilities for 20% of building staff (based on one person per 75m<sup>2</sup> GLA) to cater for cyclists, walkers and other active users.</li> </ul>
<b>Hospital</b>	As determined by Council.	As determined by Council.
<b>Indoor sport and recreation</b>	One space per employee plus 1 space per 200m <sup>2</sup> GFA	As determined by Council.
<b>Park</b>	As determined by Council.	As determined by Council.
<b>Rooming accommodation</b>	One space per 4 letting rooms.	As determined by Council.



Definition	Minimum number of bicycle parking spaces	Minimum end of trip facilities
<b>Short accommodation term</b>	One space per 4 letting rooms.	As determined by Council.
<b>Shop or Shopping centre</b>	<p>New or redeveloped shopping centres, provide:</p> <ul style="list-style-type: none"> <li>• For employees - secure bicycle storage for 8% of building staff (based on one person per 60m<sup>2</sup> Gross leasable area). Secure bicycle parking involves a bicycle locker or bicycle rail in a locked compound/cage; and</li> <li>• visitor facilities: <ul style="list-style-type: none"> <li>- one space per 500m<sup>2</sup> GLA or part thereof for centres under 30,000m<sup>2</sup>; or</li> <li>- one space per 750m<sup>2</sup> GLA or part thereof for centres between 30,000m<sup>2</sup> and 50,000m<sup>2</sup>; and</li> <li>- bicycle parking is signposted and within 10m of a major public entrance to the building.</li> </ul> </li> </ul>	<p>New or redeveloped shopping centres, provide the following employee facilities, which are continually accessible to employees:</p> <ul style="list-style-type: none"> <li>• accessible showers at the rate of one shower per 10 bicycle spaces provided or part thereof;</li> <li>• changing facilities adjacent to showers; and</li> <li>• secure lockers in the changing facilities for 20% of building staff (based on one person per 60m<sup>2</sup> GLA to cater for walkers, cyclists and other active users.</li> </ul>
<b>Theatre</b>	One space per 100m <sup>2</sup> GFA.	As determined by Council.

**Table 9.4.3.3E—Vehicular Access for Specific Uses**

Use	Design
Dwelling house	A secondary dwelling shares a vehicle crossover with the Dwelling house.
Car wash	Site access involves:
Service station	<ul style="list-style-type: none"> <li>(a) a maximum width of 9 metres of any vehicle crossover across a footpath;</li> <li>(b) a minimum separation of 12 metres between any vehicle crossover and a road intersection;</li> <li>(c) a separate entrance and exit; and</li> <li>(d) a minimum separation between vehicle crossovers of 14 metres.</li> </ul>

Industrial activities	Each lot is provided with no more than one access point every 15 metres.
Roadside stall	A single vehicular access point is provided to the site.
Tourist park	(a) a single vehicular access point is provided to the site; and (b) no accommodation site has individual vehicular access.

## 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
<b>For accepted development subject to requirements and assessable development</b>			
<b>Water supply</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO1</b> Each lot has an adequate volume and supply of water that:</p> <ul style="list-style-type: none"> <li>(a) meets the needs of users;</li> <li>(b) is adequate for fire-fighting purposes;</li> <li>(c) ensures the health, safety and convenience of the community; and</li> <li>(d) minimises adverse impacts on the receiving environment.</li> </ul>	<p><b>AO1.1</b> 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"> <li>(a) in the Conservation zone, Rural zone or Rural residential zone; and</li> <li>(b) outside a reticulated water supply service area.</li> </ul>	✓	The development will comply.
	<p><b>AO1.2</b> 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"> <li>(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</li> <li>(b) on-site water storage tank/s: <ul style="list-style-type: none"> <li>(i) with a minimum capacity of 90,000L;</li> <li>(ii) fitted with a 50mm ball valve with a camlock fitting; and</li> <li>(iii) which are installed and connected prior to the occupation or use of the development.</li> </ul> </li> </ul>	n/a	Not applicable.
<b>Wastewater disposal</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO2</b> Each lot provides for the treatment and disposal of effluent and other waste water that:</p> <ul style="list-style-type: none"> <li>(a) meets the needs of users;</li> <li>(b) is adequate for fire-fighting purposes;</li> <li>(c) ensures the health, safety and convenience of the community; and</li> <li>(d) minimises adverse impacts on the receiving environment.</li> </ul>	<p><b>AO2.1</b> 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"> <li>(a) in the Conservation zone, Rural zone or Rural residential zone; and</li> <li>(b) outside a reticulated sewerage service area.</li> </ul>	✓	The development will comply.
	<p><b>AO2.2</b> 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"> <li>(a) in the Conservation zone, Rural zone or Rural residential zone; and</li> <li>(b) outside a reticulated sewerage service area.</li> </ul>	n/a	Not applicable.
<b>Stormwater infrastructure</b>			
<p><b>PO3</b> 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><b>AO3.1</b> 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>	✓	<p>The subject land is within the PIA.</p> <p>On site stormwater drainage infrastructure will connect to Council's stormwater network as required.</p>

Performance outcomes	Acceptable outcomes	Complies	Comments
	<p><b>AO3.2</b> On-site drainage systems are constructed:</p> <ul style="list-style-type: none"> <li>(a) to convey stormwater from the premises to a lawful point of discharge; and</li> <li>(b) in accordance with the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development Manual.</li> </ul>	✓	The development will comply.
<b>Electricity supply</b>			
<p><b>PO4</b> Each lot is provided with an adequate supply of electricity</p>	<p><b>AO4</b> The premises:</p> <ul style="list-style-type: none"> <li>(a) is connected to the electricity supply network; or</li> <li>(b) has arranged a connection to the transmission grid; or</li> <li>(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"> <li>(i) it is approved by the relevant regulatory authority; and</li> <li>(ii) it can be demonstrated that no air or noise emissions; and</li> <li>(iii) it can be demonstrated that no adverse impact on visual amenity will occur.</li> </ul> </li> </ul>	✓	The subject land is connected to the electricity supply network.
<b>Telecommunications infrastructure</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<b>PO5</b> Each lot is provided with an adequate supply of telecommunication infrastructure	<b>A05</b> Development is provided with a connection to the national broadband network or telecommunication services.	✓	The development will comply.
<b>Existing public utility services</b>			
<b>PO6</b> Development and associated works do not affect the efficient functioning of public utility mains, services or installations.	<b>A06</b> 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.	✓	The development will comply.
<b>Excavation or filling</b>			
<b>PO7</b> 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.	<b>A07.1</b> Excavation or filling does not occur within 1.5 metres of any site boundary.	n/a	Not applicable.
	<b>A07.2</b> Excavation or filling at any point on a lot is to be no greater than 1.5 metres above or below natural ground level.	n/a	Not applicable.
	<b>A07.3</b> 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.	n/a	Not applicable.

Performance outcomes	Acceptable outcomes	Complies	Comments
	<p><b>A07.4</b> 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>	n/a	Not applicable.
	<p><b>A07.5</b> 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>	n/a	Not applicable.
	<p><b>A07.6</b> 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><b>A07.7</b> 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.
<b>For assessable development</b>			
<b>Transport network</b>			



Performance outcomes	Acceptable outcomes	Complies	Comments
<b>PO8</b> The development has access to a transport network of adequate standard to provide for the safe and efficient movement of vehicles, pedestrians and cyclists.	<b>A08.1</b> 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.	✓	The development will be conditioned to comply.
	<b>A08.2</b> Development provides footpath pavement treatments in accordance with Planning Scheme Policy 9 – Footpath Paving.	n/a	Not applicable.
<b>Public infrastructure</b>			
<b>PO9</b> 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.	<b>A09</b> Development is in accordance with the Design Guidelines and Specifications set out in the Planning Scheme Policy 4 – FNQROC Regional Development Manual.	✓	The development will be conditioned to comply.
<b>Stormwater quality</b>			

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO10</b> Development has a non-worsening effect on the site and surrounding land and is designed to:</p> <ul style="list-style-type: none"> <li>(a) optimise the interception, retention and removal of waterborne pollutants, prior to the discharge to receiving waters;</li> <li>(b) protect the environmental values of waterbodies affected by the development, including upstream, on-site and downstream waterbodies;</li> <li>(c) achieve specified water quality objectives;</li> <li>(d) minimise flooding;</li> <li>(e) maximise the use of natural channel design principles;</li> <li>(f) maximise community benefit; and</li> <li>(g) minimise risk to public safety.</li> </ul>	<p><b>AO10.1</b> The following reporting is prepared for all Material change of use or Reconfiguring a lot proposals:</p> <ul style="list-style-type: none"> <li>(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</li> <li>(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"> <li>(i) drainage control;</li> <li>(ii) erosion control;</li> <li>(iii) sediment control; and</li> <li>(iv) water quality outcomes.</li> </ul> </li> </ul>	✓	The development will be conditioned to comply.

Performance outcomes	Acceptable outcomes	Complies	Comments
	<p><b>AO10.2</b>            For development on land greater than 2,500m<sup>2</sup> 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"> <li>(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;</li> <li>(b) is consistent with any local area stormwater water management planning;</li> <li>(c) accounts for development type, construction phase, local climatic conditions and design objectives; and</li> <li>(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.</li> </ul>	✓	The development will be conditioned to comply.

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO11</b> Storage areas for stormwater detention and retention:</p> <ul style="list-style-type: none"> <li>(a) protect or enhance the environmental values of receiving waters;</li> <li>(b) achieve specified water quality objectives;</li> <li>(c) where possible, provide for recreational use;</li> <li>(d) maximise community benefit; and</li> <li>(e) minimise risk to public safety.</li> </ul>	<p><b>AO11</b> No acceptable outcome is provided.</p>	n/a	Not applicable.
<b>Excavation or filling</b>			
<p><b>PO12</b> Traffic generated by filling or excavation does not impact on the amenity of the surrounding area.</p>	<p><b>AO12.1</b> Haul routes used for transportation of fill to or from the site only use major roads and avoid residential areas.</p>	n/a	Not applicable.
	<p><b>AO12.2</b> Transportation of fill to or from the site does not occur:</p> <ul style="list-style-type: none"> <li>(a) within peak traffic times; and</li> <li>(b) before 7am or after 6pm Monday to Friday;</li> <li>(c) before 7am or after 1pm Saturdays; and</li> <li>(d) on Sundays or Public Holidays.</li> </ul>	n/a	Not applicable.

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

Performance outcomes	Acceptable outcomes	Complies	Comments
<p><b>PO16</b> Development is located and designed to ensure that users and nearby sensitive land uses are not exposed to unacceptable levels of contaminants</p>	<p><b>AO16</b> 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>	✓	The development will comply as relevant.
<b>Fire services in developments accessed by common private title</b>			
<p><b>PO17</b> Fire hydrants are located in positions that will enable fire services to access water safely, effectively and efficiently.</p>	<p><b>AO17.1</b> 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><b>AO17.2</b> Fire hydrants are located at all intersections of accessways or private roads held in common private title.</p>	n/a	Not applicable.