6.2.4 Environmental management and conservation zone code

6.2.4.1 Application - Environmental management and conservation zone

This code applies to undertaking development in the Environmental management and conservation zone, if:

- 1. the development has been categorised as either accepted development subject to requirements or assessable development code assessment, and this code is identified as applicable to that development in the assessment benchmarks for assessable development and requirements for accepted development column of a table of assessment (Part 5);
- 2. the development has been categorised as assessable development impact assessment (Part 5).

When using this code, reference should be made to section 5.3.2 Determining the category of development and category of assessment and, where applicable, section 5.3.3 Determining and applying the requirements for accepted development and the assessment benchmarks for assessable development located in Part 5.

6.2.4.2 Purpose - Environmental management and conservation zone

1. The purpose of the Environmental management and conservation zone code is to provide for the protection, restoration and management of areas identified as supporting significant biological diversity and ecological integrity. The Environmental management and conservation zone covers the core natural environmental areas of the Region which are, for the significant majority of the land, in public ownership. These areas consist of high ecological significance and high-value vegetation. They include key wildlife breeding and refuge areas with the strongest conservation mandate. This zone makes up a strong network of diverse natural landscapes which contribute to local habitat connectivity, koala and other priority species sustainability, biodiversity resilience, lifestyle and recreation opportunities.

The Environmental management and conservation zone code seeks to implement the policy direction as set out in Part 3, Strategic Framework.

- 2. The purpose of the code will be achieved through the following overall outcomes:
 - a. Areas having important biological, natural, and ecological values are protected from potentially degrading and destructive effects associated with development.
 - b. Development is restricted to activities that directly support or appreciate the biological, natural and environmental values of the area such as parks⁽⁵⁷⁾, walking trails, and associated support facilities.
 - c. Development occurs in accordance with a Council Master Plan approved under Council policy on Council owned land; or in accordance with the relevant controlling legislation (e.g. Forestry Act, Nature Conservation Act) under which the land is administered by the State. Where on private land, development is restricted to activities that directly support or appreciate the biological, natural and environmental values.
 - d. Development not having a close association with the natural environment is avoided.
 - e. Development in a Water supply buffer is undertaken in a manner which contributes to the maintenance and enhancement where possible of water quality to protect the drinking water and aquatic ecosystem environmental values in those catchments.
 - f. Development avoids areas subject to constraint, limitation, or environmental value. Where development cannot avoid these identified areas, it responds by:
 - i. adopting a 'least risk, least impact' approach when designing, siting and locating development in any area subject to a constraint, limitation or environmental value to minimise the potential risk to people, property and the environment;
 - ii. ensuring no further instability, erosion or degradation of the land, water or soil resource;
 - iii. when located within a Water buffer area, complying with the Water Quality Vision and Objectives contained in the Seqwater Development Guidelines: Development Guidelines for Water Quality Management in Drinking Water Catchments 2012.

- iv. maintaining, restoring and rehabilitating environmental values, including natural, ecological, biological, aquatic, hydrological and amenity values, and enhancing these values through the provision of planting and landscaping, and facilitating safe wildlife movement and connectivity through:
 - A. the provision of replacement, restoration, rehabilitation planting and landscaping;
 - B. the location, design and management of development to avoid or minimise adverse impacts on ecological systems and processes;
 - C. the requiring of environmental offsets in accordance with the Environmental Offsets Act 2014.
- v. protecting native species and protecting and enhancing species habitat;
- vi. protecting and preserving the natural, aesthetic, architectural historic and cultural values of significant trees, places, objects and buildings of heritage and cultural significance;
- vii. establishing effective separation distances, buffers and mitigation measures associated with identified infrastructure to minimise adverse effects on sensitive land uses from odour, noise, dust and other nuisance generating activities;
- viii. establishing, maintaining and protecting appropriate buffers to waterways, wetlands, native vegetation and significant fauna habitat;
- ix. ensuring it promotes and does not undermine the ongoing viability, integrity, operation, maintenance and safety of identified infrastructure;
- x. ensuring effective and efficient disaster management response and recovery capabilities;
- xi. where located in an overland flow path:
 - A. development siting, built form, layout and access responds to the risk presented by the overland flow and minimises risk to personal safety;
 - B. development is resilient to the impacts of overland flow by ensuring the siting and design accounts for the potential risks to property associated with the overland flow;
 - C. development does not impact on the conveyance of the overland flow for any event up to and including the 1% AEP for the fully developed upstream catchment;
 - D. development directly, indirectly and cumulatively avoid an increase in the severity of overland flow and potential for damage on the premises or other premises, public lands, watercourses, roads or infrastructure.
- g. Development in the Environmental management and conservation zone includes one or more of the following where located on Council owned land and identified on a Council Master Plan approved under Council policy; where on State owned land and in accordance with a relevant, applicable Act; or where on privately owned land.

•	All	
	USES	

h. Development in the Environmental management and conservation zone does not include any of the following:

•	Adult store ⁽¹⁾	•	Hardware and trade	•	Port services ⁽⁶¹⁾
•	Agricultural supplies store ⁽²⁾		supplies ⁽³²⁾	•	Relocatable home park ⁽⁶²⁾
•	Air services ⁽³⁾	•	Health care services ⁽³³⁾	•	Renewable energy facility ⁽⁶³⁾
•	Animal keeping ⁽⁵⁾	•	High impact industry ⁽³⁴⁾		facility
•	Aquaculture ⁽⁶⁾	•	Home based business ⁽³⁵⁾	•	Research and technology industry ⁽⁶⁴⁾
	Bar ⁽⁷⁾	•	Hospital ⁽³⁶⁾	•	Residential care facility ⁽⁶⁵⁾
	Brothel ⁽⁸⁾	•	Hotel ⁽³⁷⁾	•	Resort complex ⁽⁶⁶⁾
	Brothor				Resolt complex

6 Zones

•	Bulk landscape supplies ⁽⁹⁾	•	Indoor sport and recreation ⁽³⁸⁾	•	Retirement facility ⁽⁶⁷⁾
•	Caretaker's accommodation ⁽¹⁰⁾	•	Intensive animal industry ⁽³⁹⁾	•	Roadside stall ⁽⁶⁸⁾
•	Car wash ⁽¹¹⁾	•	Intensive horticulture ⁽⁴⁰⁾	•	Rooming accommodation ⁽⁶⁹⁾
•	Cemetery ⁽¹²⁾	•	Landing ⁽⁴¹⁾	•	Rural industry ⁽⁷⁰⁾
•	Child care centre ⁽¹³⁾	•	Low impact industry ⁽⁴²⁾	•	Rural workers'
•	Club ⁽¹⁴⁾	•	Major electricity		accommodation ⁽⁷¹⁾
•	Community care centre ⁽¹⁵⁾		infrastructure ⁽⁴³⁾	•	Sales office ^{(72)}
•	Community residence ⁽¹⁶⁾	•	Major sport, recreation and entertainment facility ⁽⁴⁴⁾	•	Service industry ⁽⁷³⁾
•	Community use ⁽¹⁷⁾	•	Marine industry ⁽⁴⁵⁾	•	Service station ⁽⁷⁴⁾
•	Crematorium ⁽¹⁸⁾	•	Market ⁽⁴⁶⁾	•	Shop ⁽⁷⁵⁾
•	Cropping ⁽¹⁹⁾	•	Medium impact industry ⁽⁴⁷⁾	•	Shopping centre ⁽⁷⁶⁾
•	Detention facility ⁽²⁰⁾	•	Motor sport facility ⁽⁴⁸⁾	•	Short-term accommodation ⁽⁷⁷⁾
•	Dual occupancy ⁽²¹⁾	•	Multiple dwelling ⁽⁴⁹⁾	•	Showroom ⁽⁷⁸⁾
•	Dwelling house ⁽²²⁾	•	Nightclub entertainment facility ⁽⁵¹⁾	•	Special industry ⁽⁷⁹⁾
•	Dwelling unit ⁽²³⁾		,	•	Substation ⁽⁸⁰⁾
•	Educational establishment ⁽²⁴⁾	•	Non-resident workforce accommodation ⁽⁵²⁾	•	Theatre ⁽⁸²⁾
•	Emergency services ⁽²⁵⁾	•	Office ⁽⁵³⁾	•	Tourist attraction ⁽⁸³⁾
•	Extractive industry ⁽²⁷⁾	•	Outdoor sales ⁽⁵⁴⁾	•	Tourist park ⁽⁸⁴⁾
•	Food and drink outlet ⁽²⁸⁾	•	Outdoor sport and recreation ⁽⁵⁵⁾	•	Transport depot ⁽⁸⁵⁾
•	Function facility ⁽²⁹⁾			•	Veterinary services ⁽⁸⁷⁾
	Funeral parlour ⁽³⁰⁾	•	Parking station ⁽⁵⁸⁾	•	Warehouse ⁽⁸⁸⁾
•	Garden centre ⁽³¹⁾	•	Place of worship ⁽⁶⁰⁾	•	Wholesale nursery ⁽⁸⁹⁾
•	Garden centre			•	Winery ⁽⁹⁰⁾
		1		1	

i. Development not listed in the tables above above may be considered on its merits and where it reflects and supports the outcomes of the zone.

6.2.4.3 Criteria for assessing development

There is no accepted development subject to requirements in the Environmental management and conservation zone. Development is categorised as either accepted development or assessable development - impact assessment. Where development is categorised as assessable development - impact assessment, the assessment benchmarks becomes

Per	formance outcomes	Examples that achieve aspects of the Performance Outcomes
	General	l criteria
Effe	ects of development	
PO1	l	No example provided.
The natural, ecological and biological values present in the environment are protected. Development avoids adverse impacts on natural, ecological and biological values particularly in terms of the following:		
a.	physical change;	
b.	vegetation damage or removal;	
C.	wildlife connectivity and accessibility;	
d.	land fragmentation;	
e.	land and vegetation degradation;	
f.	visual detraction;	
g.	soil stability and erosion;	
h.	water quality;	
i.	habitat protection.	
For	m and nature of development	
PO2	2	No example provided.
The	form and nature of development :	
a.	is of a minor size and scale, low intensity and compatible with the physical characteristics and values;	
b.	responds appropriately to the characteristics and constraints of the site such as slope and stability, visual prominence, landscape character, water courses, flooding, bush fire risk, soil type, existing vegetation and surrounding land uses.	
PO3		No example provided.
The visual impacts of development are minimised through the use of lightweight construction and the use of colours and materials compatible with the natural setting and surrounds.		
PO4	1	No example provided.

Table 6.2.4.1 Assessable development - Environmental management and conservation zone

Development is limited to tourism and nature-based recreation, educational activities and facilities, small scale utility installation ⁽⁸⁶⁾ . Development is in appropriate locations that are allied to, and compatible with, the significant conservation values of the area.					
Values and constraints criteria Note - The relevant values and constraints criteria do not apply where the development is consistent with a current Development permit for Reconfiguring a lot or Material change of use or Operational work, where that approval has considered and addressed (e.g. through a development footprint plan (or similar in the case of Landslide hazard) or conditions of approval) the identified value or constraint under this planning scheme.					
apply)	Acid sulfate soils (ASS) investigation report and soil management plan ASS investigation report and soil management plan				
PO5	E5				
 Development avoids disturbing acid sulfate soils. Where development disturbs acid sulfate soils, development: a. is managed to avoid or minimise the release of surface or groundwater flows containing acid and metal contaminants into the environment; b. protects the environmental and ecological values and health of receiving waters; c. protects buildings and infrastructure from the effects of acid sulfate soils. 	 Development does not involve: a. excavation or otherwise removing of more than 100m³ of soil or sediment where below than 5m Australian Height datum AHD; or b. filling of land of more than 500m³ of material with an average depth of 0.5m or greater where below the 5m Australian Height datum AHD. 				
Bushfire hazard (refer Overlay map - Bushfire hazard to determine if the following assessment criteria apply) Note - To demonstrate achievement of the performance outcomes, a bushfire management plan is prepared by a suitably qualified person. Guidance for the preparation of a bushfire management plan is provided in Planning scheme policy – Bushfire prone areas. Note - Unacceptable risk is defined as a situation where people or property are exposed to a predictable hazard event that may result in serious injury, loss of life, failure of community infrastructure, or property damage.					
PO6	E6.1				
Development:	Buildings and structures are:				
 a. minimises the number of buildings and people working and living on a site exposed to bushfire risk; b. ensures the protection of life during the passage of a fire front; c. is located and designed to increase the chance of survival of buildings and structures during a 	 a. not located on a ridgeline; b. not located on land with a slope greater than 15% (see Overlay map - Landslide hazard); c. dwellings are located on east to south facing slopes. 				
bushfire;	Buildings and structures have contained within the site:				

]
 d. minimises bushfire risk from build up of fuels around buildings and structures; e. ensure safe and effective access for emergency services during a bushfire. 	 a separation from classified vegetation of 20m or the distance required to achieve a bushfire attack level (BAL) at the building, roofed structure or fire fighting water supply of no more than 29, whichever is the greater;
	 a separation from low threat vegetation of 10m or the distance required to achieve a bushfire attack level (BAL) at the building, roofed structure or fire fighting water supply of no more than 29, whichever is the greater;
	 a separation of no less than 10m between a fire fighting water supply extraction point and any classified vegetation, buildings and other roofed structures;
	d. an area suitable for a standard fire fighting appliance to stand within 3m of a fire fighting water supply extraction point; and
	 e. an access path suitable for use by a standard fire fighting appliance having a formed width of at least 4m, a cross-fall of no greater than 5%, and a longitudinal gradient of no greater than 25%:
	 i. to, and around, each building and other roofed structure; and ii. to each fire fighting water supply extraction point.
	Note - The meaning of the terms classified vegetation and low threat vegetation as well as the method of calculating the bushfire attack level are as described in Australian Standard AS 3959
P07	E7
Development and associated driveways and access ways:	A length of driveway:
 a. avoid potential for entrapment during a bushfire; b. ensure safe and effective access for emergency services during a bushfire; c. enable safe evacuation for occupants of a site during a bushfire. 	 a. to a road does not exceed 100m between the most distant part of a building used for any purpose other than storage and the nearest part of a public road; b. has a maximum gradient no greater than 12.5%; c. have a minimum width of 3.5m; d. accommodate turning areas for fire fighting appliances in accordance with Qld Fire and Emergency Services' Fire Hydrant and Vehicle Access Guideline.
PO8	E8
Development provides an adequate water supply for fire-fighting purposes.	 a. a reticulated water supply is provided by a distributer retailer for the area or; b. where not connected to a reticulated water supply, on-site fire fighting water storage containing not less than 10 000 litres (tanks with fire brigade tank fittings, swimming pools) is located within 10m of buildings and structures. c. Where a swimming pool is the nominated on-site fire fighting water storage source, vehicle access

	 is provided to within 3m of that water storage source. d. Where a tank is the nominated on-site fire fighting water storage source, it includes: a hardstand area allowing medium rigid vehicles (15 tonne fire appliance) access within 6m of the tank; fire brigade tank fittings, comprising 50mm ball valve and male camlock coupling and, if underground, an access hole of 200mm (minimum) to accommodate suction lines.
PO9	E9
 Development: a. does not present unacceptable risk to people or environment due to the impact of bushfire on dangerous goods or combustible liquids; b. does not present danger or difficulty to emergency services for emergency response or evacuation. Editor's note - Unacceptable risk is defined as a situation where people or property are exposed to a predictable hazard event that may result in serious injury, loss of life, failure of community infrastructure, or property damage. 	Development does not involve the manufacture or storage of hazardous chemicals.

Environmental areas (refer Overlay map - Environmental areas to determine if the following assessment criteria apply)

Note - The following are excluded from the native vegetation clearing provisions of this planning scheme:

- a. Clearing of native vegetation located within an approved development footprint;
- b. Clearing of native vegetation within 10m from a lawfully established building reasonably necessary for emergency access or immediately required in response to an accident or emergency;
- c. Clearing of native vegetation reasonably necessary to remove or reduce the risk vegetation poses to serious personal injury or damage to infrastructure;
- d. Clearing of native vegetation reasonably necessary to construct and maintain a property boundary fence and not exceed 4m in width either side of the fence where in the Rural, Rural residential and Environmental Management and Conservation zones. In any other zone, clearing is not to exceed 2m in width either side of the fence;
- e. Clearing of native vegetation reasonably necessary for the purpose of maintenance or works within a registered easement for public infrastructure or drainage purposes;
- f. Clearing of native vegetation in accordance with a bushfire management plan prepared by a suitably qualified person, submitted to and accepted by Council;
- g. Clearing of native vegetation associated with removal of recognised weed species, maintaining existing open pastures and cropping land, windbreaks, lawns or created gardens;
- h. Grazing of native pasture by stock;
- i. Native forest practice where accepted development under Part 1, 1.7.7 Accepted development

Note - Definition for native vegetation is located in Schedule 1 Definitions.

Note - Native vegetation subject to this criteria primarily comprises of matters of national environmental significance (MNES), matters of state environmental significance (MSES). They also comprise some matters of local environmental significance (MLES). A MLES is defined in Schedule 1.2, Administrative definitions. A list of the elements that apply to the mapped MSES and MLES is provided in Appendix 1 of the Planning scheme policy - Environmental areas.

Editors' Note - The accuracy of overlay mapping can be challenged through the development application process (code assessable development) or by way of a planning scheme amendment. See Council's website for details.

Note - To demonstrate achievement of the performance outcome, an ecological assessment, vegetation management plan and fauna management plan, as required, are prepared by a suitably qualified person. Guidance for the preparation of above mentioned reports is provided in Planning scheme policy - Environmental areas.

Vegetation clearing, ecological value and connectivit	ty
PO10	No example provided.
Development avoids locating in a High Value Area or a Value Offset Area. Where it is not practicable or reasonable for development to avoid establishing in these areas, development must ensure that:	
 a. the quality and integrity of the biodiversity and ecological values inherent to a High Value Area and a Value Offset Area is maintained and not lost or degraded; b. on-site mitigation measures, mechanisms or processes are in place demonstrating the quality and integrity of the biodiversity and ecological values inherent to a High Value Area and a Value Offset Area are maintained. For example, this can be achieved through replacement, restoration or rehabilitation planting as part of any proposed covenant, the development of a Vegetation Management Plan, a Fauna Management Plan, and any other on-site mitigation options identified in the Planning scheme policy - Environmental areas*. * Editor's note - This is not a requirement for an environmental offset under the Environmental Offsets Act 2014. 	
PO11	No example provided.
Development provides for safe, unimpeded, convenient and ongoing wildlife movement and establishes and maintains habitat connectivity by:	
 a. retaining habitat trees; b. providing contiguous patches of habitat; c. provide replacement and rehabilitation planting to improve connectivity; d. avoiding the creation of fragmented and isolated patches of habitat; e. providing wildlife movement infrastructure. Editor's note - Wildlife movement infrastructure may include refuge poles, tree boulevarding, 'stepping stone' vegetation plantings, tunnels, appropriate wildlife fencing; culverts with ledges, 	

	erpasses, overpasses, land bridges and rope bridges. Further rmation is provided in Planning scheme policy – Environmental as.	
Veg	etation clearing and habitat protection	
PO1	2	No example provided.
integ	elopment ensures that the biodiversity quality and grity of habitats is not adversely impacted upon but ntained and protected.	
PO1	3	No example provided.
deg Valu	elopment does not result in the net loss or radation of habitat value in a High Value Area or a le Offset Area. Where development does result in loss or degradation of habitat value, development	
a. b. c.	rehabilitate, revegetate, restore and enhance an area to ensure it continues to function as a viable and healthy habitat area; provide replacement fauna nesting boxes in the event of habitat tree loss in accordance with Planning scheme policy - Environmental areas; undertake rehabilitation, revegetation and restoration in accordance with the South East Queensland Ecological Restoration Framework.	
PO1	4	No example provided.
	elopment ensures safe, unimpeded, convenient and oing wildlife movement and habitat connectivity by:	
a. b. c. d.	providing contiguous patches of habitat; avoiding the creation of fragmented and isolated patches of habitat; providing wildlife movement infrastructure; providing replacement and rehabilitation planting to improve connectivity.	
Veg	etation clearing and soil resource stability	I
PO1	15	No example provided.
Dev	elopment does not:	
a. b.	result in soil erosion or land degradation; leave cleared land exposed for an unreasonable period of time but is rehabilitated in a timely manner.	
Veg	etation clearing and water quality	
PO1	16	No example provided.
grou	elopment maintains or improves the quality of indwater and surface water within, and downstream, site by:	

 a. ensuring an effective vegetated buffers and setbacks from waterbodies is retained to achieve natural filtration and reduce sediment loads; b. avoiding or minimising changes to landforms to maintain hydrological water flows; c. adopting suitable measures to exclude livestock from entering a waterbody where a site is being used for animal husbandry⁽⁴⁾ and animal keeping⁽⁵⁾ activities. 	
PO17 No example provided.	
Development minimises adverse impacts of stormwater run-off on water quality by:	
 a. minimising flow velocity to reduce erosion; b. minimising hard surface areas; c. maximising the use of permeable surfaces; d. incorporating sediment retention devices; e. minimising channelled flow. 	
Vegetation clearing and access, edge effects and urban heat island effects	
PO18 No example provided.	
Development retains safe and convenient public access	
in a manner that does not result in the adverse edge effects or the loss or degradation of biodiversity values within the environment.	
effects or the loss or degradation of biodiversity values	
effects or the loss or degradation of biodiversity values within the environment.	
effects or the loss or degradation of biodiversity values within the environment. P019 Poelopment minimises potential adverse 'edge effects' No example provided.	
effects or the loss or degradation of biodiversity values within the environment.No example provided.PO19No example provided.Development minimises potential adverse 'edge effects' on ecological values by:No example provided.a.providing dense planting buffers of native vegetation between a development and environmental areas;b.retaining patches of native vegetation of greatest possible size where located between a development and environmental areas ;c.restoring, rehabilitating and increasing the size of existing patches of native vegetation;d.ensuring that buildings and access (public and 	

a. b. c. d.	pervious surfaces; providing deeply planted vegetation buffers and green linkage opportunities; landscaping with local native plant species to achieve well-shaded urban places; increasing the service extent of the urban forest canopy.	
Veg	etation clearing and Matters of Local Environmer	ntal Significance (MLES) environmental offsets
PO2	21	No example provided.
nativ wate buffe with Plan Edit	ere development results in the unavoidable loss of ve vegetation within a Value Offset Area MLES erway buffer or a Value Offset Area MLES wetland er, an environmental offset is required in accordance the environmental offset requirements identified in ming scheme policy - Environmental areas. tor's note - For MSES Koala Offsets, the environmental offset visions in schedule 11 of the Regulation, in combination with the uirements of the Environmental Offset Act 2014, apply.	

Extractive resources separation area (refer Overlay map - Extractive resources (separation area) to determine if the following assessment criteria apply)

Note - To demonstrate achievement of the performance outcomes, a noise impact assessment report is prepared by a suitably qualified person. Guidance to preparing noise impact assessment report is provided in Planning scheme policy – Noise.

PO22 Development does not increase the number of people living in the Extractive Resources separation area.	E22 One dwelling house ⁽²²⁾ permitted per lot within separation area.		
 PO23 Development: a. does not introduce or increase uses that are sensitive to the impacts of an Extractive industry⁽²⁷⁾; b. is compatible with the operation of an Extractive industry⁽²⁷⁾; c. does not comprise or undermine the function and integrity of the separation area in providing a buffer between key extractive and processing activities and sensitive, incompatible uses outside the separation area. 	E23 Development within the separation area does not include the following activities: a. Caretaker's accommodation ⁽¹⁰⁾ ; b. Community residence ⁽¹⁶⁾ ; c. Dual occupancy ⁽²¹⁾ ; d. Dwelling unit ⁽²³⁾ ; e. Hospital ⁽³⁶⁾ ; f. Rooming accommodation ⁽⁶⁹⁾ ; g. Multiple dwelling ⁽⁴⁹⁾ ; h. Non-resident workforce accommodation ⁽⁵²⁾ ; i. Relocatable home park ⁽⁶²⁾ ; j. Residential care facility ⁽⁶⁵⁾ ; k. Resort complex ⁽⁶⁶⁾ ; l. Retirement facility ⁽⁶⁷⁾ ; m. Rural workers' accommodation ⁽⁷¹⁾ ; n. Short-term accommodation ⁽⁷⁷⁾ ; o. Tourist park ⁽⁸⁴⁾ .		
PO24	E24		

Habitable rooms achieve the noise levels listed in Schedule 1 Acoustic Quality Objectives, Environmental Protection (Noise) Policy 2008 and provides a safe, healthy and disturbance free living environment.	 All habitable rooms within the separation area are: a. acoustically insulated to achieve the noise levels listed in Schedule 1 Acoustic Quality Objectives, Environmental Protection (Noise) Policy 2008; b. provided with mechanical ventilation.
PO25 Development provides open space areas for passive recreation in a manner where impacts from key extractive/processing activities, particularly noise, is minimised.	E25 Private open space areas are separated from the resource processing area by buildings or a 1.8m high solid structure.

Heritage and landscape character (refer Overlay map - Heritage and landscape character to determine if the following assessment criteria apply)

Note - To assist in demonstrating achievement of heritage performance outcomes, a Cultural heritage impact assessment report is prepared by a suitably qualified person verifying the proposed development is in accordance with The Australia ICOMOS Burra Charter.

Note - To assist in demonstrating achievement of this performance outcome, a Tree assessment report is prepared by a qualified arborist in accordance with Planning scheme policy – Heritage and landscape character. The Tree assessment report will also detail the measures adopted in accordance with AS 4970-2009 Protection of trees on development sites.

Note - Places, including sites, objects and buildings having local cultural heritage significance, are identified on Overlay map - Heritage and landscape character and listed in Schedule 1 of Planning scheme policy - Heritage and landscape character. Places also having cultural heritage significance at a State level and being entered in the Queensland Heritage Register, are also identified in Schedule 1 of Planning scheme policy - Heritage and landscape character.

PO2	26	E26
Dev a. b. c. d. e. f.	elopment will: not diminish or cause irreversible damage to the cultural heritage values present on the site, and associated with a heritage site, object or building; protect the fabric and setting of the heritage site, object or building; be consistent with the form, scale and style of the heritage site, object or building; utilise similar materials to those existing, or where this is not reasonable or practicable, neutral materials and finishes; incorporate complementary elements, detailing and ornamentation to those present on the heritage site, object or building; retain public access where this is currently provided.	Development is for the preservation, maintenance, repair and restoration of a site, object or building of cultural heritage value. Note - A cultural heritage conservation management plan for the preservation, maintenance, repair and restoration of a site, object or building of cultural heritage value is prepared in accordance with Planning scheme policy - Heritage and landscape character. The plan is sent to, and approved by Council prior to the commencement of any preservation, maintenance, repair and restoration works.
PO2	27	No example provided.
Den	nolition and removal is only considered where:	
a.	a report prepared by a suitably qualified conservation architect or conservation engineer demonstrates that the building is structurally unsound and is not reasonably capable of economic repair; or	

b. c. d.	demolition is confined to the removal of outbuildings, extensions and alterations that are not part of the original structure; or limited demolition is performed in the course of repairs, maintenance or restoration; or demolition is performed following a catastrophic event which substantially destroys the building or object.		
PO2	8	No ex	ample provided.
of cu symj value being	re development is occurring on land adjoining a site altural heritage value, the development is to be pathetic to and consistent with the cultural heritage es present on the site and not result in their values g eroded, degraded or unreasonably obscured from ic view.		
PO2	9	E29	
and occu mea Prote ensu Sign poor safe repo a tre	elopment does not adversely impact upon the health vitality of significant trees. Where development irs in proximity to a significant tree, construction sures and techniques as detailed in AS 4970-2009 ection of trees on development sites are adopted to ire a significant tree's health, wellbeing and vitality. ificant trees are only removed where they are in a state of health or where they pose a health and ty risk to persons or property. A Tree Assessment rt prepared by a suitably qualified arborist confirming e's state of health is required to demonstrate evement of this performance outcome.	a.r b.r c.i	opment does: not result in the removal of a significant tree; not occur within 20m of a protected tree; nvolve pruning of a tree in accordance with Australian Standard AS 4373-2007 – Pruning of Amenity Trees.

Landslide hazard (refer Overlay map - Landslide hazard to determine if the following assessment criteria apply)

Note - To demonstrate achievement of the performance outcomes, a site-specific geotechnical assessment report is prepared by a qualified engineer. Guidance for the preparation of a geotechnical assessment report is provided in Planning scheme policy – Landslide hazard.

PO30	E30
Development:	Development does not:
 a. maintains the safety of people and property on a site and neighbouring sites from landslides; b. ensures the long-term stability of the site considering the full nature and end use of the development; c. ensures site stability during all phases of construction and development; d. minimises disturbance of natural drainage patterns of the site and does not result in the redirection or 	 a. involve earthworks exceeding 50m³; b. involve cut and fill having a height greater than 600mm; c. involve any retaining wall having a height greater than 600mm; d. redirect or alter the existing flow of surface or groundwater.

Infrastructure buffers (refer Overlay map - Infrastructure buffers to determine if the following assessment criteria apply)		
the e haza	elopment protects the safety of people, property and environment from the impacts of landslide on ardous chemicals manufactured, handled or stored noorporating design measures to ensure: the long-term stability of the development site considering the full nature and end use of the development; site stability during all phases of construction and development; the development is not adversely affected by landslide activity originating on sloping land above the site; emergency access and access from the site for the public and emergency vehicles is available and is not at risk from landslide.	Development does not involve the manufacture, handling or storage of hazardous chemicals.
PO3	32	E32
	alteration of the existing flow if surface or groundwater minimises adverse visual impacts on the amenity of adjoining residents and provides a positive interface with the streetscape. 1 dings are designed to respond to sloping topography e siting, design and form of buildings and structures minimising overuse of cut and fill to create single flat pads and benching; avoiding expanses of retaining walls, loss of trees and vegetation and interference with natural drainage systems; minimising any adverse visual impact on the landscape character ; Protect the amenity of adjoining properties.	E31 Buildings, excluding domestic outbuildings: a. are split-level, multiple-slab, pier or pole construction; b. are not single plane slab on ground.

F 055	E33	
Odour sensitive development is separated from Wastewater treatment plants so they are not adversely affected by odour emission or other air pollutant impacts.	The following uses are not located within a wastewater treatment site buffer: a. Caretaker's accommodation ⁽¹⁰⁾ ; b. Community residence ⁽¹⁶⁾ ; c. Dual occupancy ⁽²¹⁾ ; d. Dwelling house ⁽²²⁾ e. Dwelling unit ⁽²³⁾ ; f. Hospital ⁽³⁶⁾ ; g. Rooming accommodation ⁽⁶⁹⁾ ; h. Multiple dwelling ⁽⁴⁹⁾ ; i. Non-resident workforce accommodation ⁽⁵²⁾ ; j. Relocatable home park ⁽⁶²⁾ ; k. Residential care facility ⁽⁶⁵⁾ ;	

	 I. Resort complex⁽⁶⁶⁾; m. Retirement facility⁽⁶⁷⁾; n. Rural workers' accommodation⁽⁷¹⁾; o. Short-term accommodation⁽⁷⁷⁾; p. Tourist park⁽⁸⁴⁾.
PO34	E34.1
Development within a Water supply buffer captures solid or liquid waste from all land use, development and activities is designed, constructed and managed to prevent the release of contaminants to surface water or groundwater bodies.	Run-off and sediment from roadways and impervious surfaces within a Water supply buffer are intercepted and treated on-site to remove oil, grease, chemicals, silt, trace metals and nutrients such as nitrogen and phosphorous.
	E34.2
	Incineration or burial of waste within a Water supply buffer is not undertaken onsite.
	E34.3
	Solid waste within a Water supply buffer is collected and stored in weather proof, sealed waste receptacles, located in roofed and bunded areas, for disposal by a licenced contractor.
	E34.4
	Holding tanks within a Water supply buffer are used for all liquid waste and provide for the separation of oils/solvents and solids prior to pump-out and collection by a licenced contractor.
	E34.5
	Management, handling and storage of hazardous chemicals (including fuelling of vehicles) within a Water supply buffer, is undertaken in secured, climate controlled, weather proof, level and bunded enclosures.
PO35	E35
On-site sewerage systems within a Water supply buffer are designed and operated to ensure there is no worsening or adverse impacts to health risks, environmental risks and water quality.	Secondary treated wastewater treatment systems within a Water supply buffer include: a. emergency storage capable of holding 3-6 hours
Editor's Note - For guidance refer to the Seq water Development Guidelines: Development Guidelines for Water Quality Management in Drinking Water Catchments 2012.	peak flow of treated effluent in the event of emergencies or overload with provision for de-sludging;
	b. back up pump installation and backup power;
	 MEDLI modelling to determine irrigation rates and sizing of irrigation areas;
	1

PO36 Development within a Bulk water supply infrastructure	 d. vegetated land application areas are not located in overland flow paths or on areas that perform groundwater recharge or discharge functions; and e. wastewater collection and storage systems have a capacity to accommodate full load at peak times and includes temporary facilities. E36 Development:
 buffer is located, designed and constructed to: a. protect the integrity of the water supply pipeline; b. maintain adequate access for any required maintenance or upgrading work to the water supply pipeline; PO37 	 a. does not involve the construction of any buildings or structures within a Bulk water supply infrastructure buffer; b. involving a major hazard facility or environmentally relevant activity (ERA) is setback 30m from a Bulk water supply infrastructure buffer. E37
Development is located and designed to maintain required access to Bulk water supply infrastructure.	 Development does not restrict access to Bulk water supply infrastructure of any type or size, having regard to (among other things): a. buildings or structures; b. gates and fences; c. storage of equipment or materials; d. landscaping or earthworks or stormwater or other infrastructure.
PO38 Odour sensitive development is separated from landfill sites so they are not adversely affected by odour emission or other air pollutant impacts.	E38 The following uses are not located within a Landfill buffer: a. Caretaker's accommodation ⁽¹⁰⁾ ; b. Community residence ⁽¹⁶⁾ ; c. Dual occupancy ⁽²¹⁾ ; d. Dwelling house ⁽²²⁾ ; e. Dwelling unit ⁽²³⁾ ; f. Hospital ⁽³⁶⁾ ; g. Rooming accommodation ⁽⁶⁹⁾ ; h. Multiple dwelling ⁽⁴⁹⁾ ; i. Non-resident workforce accommodation ⁽⁵²⁾ ; j. Relocatable home park ⁽⁶²⁾ ; k. Residential care facility ⁽⁶⁵⁾ ; l. Resort complex ⁽⁶⁶⁾ ; m. Retirement facility ⁽⁶⁷⁾ ; n. Rural workers' accommodation ⁽⁷¹⁾ ; o. Short-term accommodation ⁽⁷⁷⁾ ; p. Tourist park ⁽⁸⁴⁾ .
PO39 Development within a High voltage electricity line buffer provides adequate buffers to high voltage electricity lines to protect amenity and health by ensuring development:	E39 Development does not involve the construction of any buildings or structures within a High voltage electricity line buffer.

a. b. c.	is located and designed to avoid any potential adverse impacts on personal health and wellbeing from electromagnetic fields in accordance with the principle of prudent avoidance; is located and designed in a manner that maintains a high level of security of supply; is located and design so not to impede upon the functioning and maintenance of high voltage electrical infrastructure.	
PO	40	E40
	elopment within a Pumping station buffer is located, igned and constructed to:	Development does not involve the construction of any buildings or structures within a Pumping station buffer.
a.	ensure that odour or other air pollutant impacts on the amenity of the development met the air quality of objectives in the Environmental Protection (Air) Policy 2008;	
b.	ensure that noise impacts on the amenity of the development met the indoor noise objectives set out in the Environmental Protection (Noise) Policy	

Overland flow path (refer Overlay map - Overland flow path to determine if the following assessment criteria apply)

Note - The applicable river and creek flood planning levels associated with defined flood event (DFE) within the inundation area can be obtained by requesting a flood check property report from Council.

PO4	11	No example provided.
Dev	elopment:	
a. b.	minimises the risk to persons from overland flow; does not increase the potential for damage from overland flow either on the premises or other premises, public land, watercourses, roads or infrastructure.	
PO4	2	No example provided.
Dev	elopment:	
a. b.	maintains the conveyance of overland flow predominantly unimpeded through the premises for any event up to and including the 1% AEP for the fully developed upstream catchment; does not concentrate, intensify or divert overland flow onto an upstream, downstream or surrounding property.	
Eng doe	e - A report from a suitably qualified Registered Professional ineer Queensland is required certifying that the development s not increase the potential for significant adverse impacts on upstream, downstream or surrounding premises.	

Note - Reporting to be prepared in accordance with Planning scheme policy – Flood hazard, Coastal hazard and Overland flow.	
 PO43 Development does not: a. directly, indirectly or cumulatively cause any increase in overland flow velocity or level; b. increase the potential for flood damage from overland flow either on the premises or other premises, public lands, watercourses, roads or infrastructure. Note - Open concrete drains greater than 1m in width are not an acceptable outcome, nor are any other design options that may increase scouring. 	No example provided.
PO44 Development ensures that public safety and the risk to the environment are not adversely affected by a detrimental impact of overland flow on a hazardous chemical located or stored on the premises.	E44 Development ensures that a hazardous chemical is not located or stored in an Overland flow path area. Note - Refer to the Work Health and Safety Act 2011 and associated Regulation and Guidelines, the Environmental Protection Act 1994 and the relevant building assessment provisions under the Building Act 1975 for requirements related to the manufacture and storage of hazardous substances.
PO45 Development which is not in a Rural zone ensures that overland flow is not conveyed from a road or public open space onto a private lot.	E45 Development which is not in a Rural zone that an overland flow paths and drainage infrastructure is provided to convey overland flow from a road or public open space area away from a private lot.
PO46 Development ensures that inter-allotment drainage infrastructure, overland flow paths and open drains through private property cater for overland flows for a fully developed upstream catchment and are able to be easily maintained. Note - A report from a suitably qualified Registered Professional Engineer Queensland is required certifying that the development does not increase the potential for significant adverse impacts on an upstream, downstream or surrounding premises. Note - Reporting to be prepared in accordance with Planning scheme policy – Flood hazard, Coastal hazard and Overland flow	 E46.1 Development ensures that roof and allotment drainage infrastructure is provided in accordance with the following relevant level as identified in QUDM: a. Urban area – Level III; b. Rural area – N/A; c. Industrial area – Level V; d. Commercial area – Level V. E46.2 Development ensures that inter-allotment drainage infrastructure is designed to accommodate any event up to and including the 1% AEP for the fully developed upstream catchment.
PO47	No example provided.

6 Zones

Development protects the conveyance of overland flow	
such that an easement for drainage purposes is provided over:	
 a stormwater pipe if the nominal pipe diameter exceeds 300mm; 	
an overland flow path where it crosses more than one premises;	
c. inter-allotment drainage infrastructure.	
Note - Refer to Planning scheme policy - Integrated design for details and examples.	
Note - Stormwater Drainage easement dimensions are provided in accordance with Section 3.8.5 of QUDM.	
Additional criteria for development for a Park ⁽⁵⁷⁾	
PO48	E48
Development for a Park ⁽⁵⁷⁾ ensures that the design and layout responds to the nature of the overland flow affecting the premises such that:	Development for a Park ⁽⁵⁷⁾ ensures works are provided in accordance with the requirements set out in Appendix B of the Planning scheme policy - Integrated design.
a. public benefit and enjoyment is maximised;	
b. impacts on the asset life and integrity of park structures is minimised;	
c. maintenance and replacement costs are minimised.	
Riparian and wetland setbacks	
PO49	E49
Development provides and maintains a suitable setback	Development does not occur within:
from waterways and wetlands that protects natural and environmental values. This is achieved by recognising and responding to the following matters:	a. 50m from top of bank for W1 waterway and drainage line
a. impact on fauna habitats;	 b. 30m from top of bank for W2 waterway and drainage line
b. impact on wildlife corridors and connectivity;	c. 20m from top of bank for W3 waterway and
c. impact on stream integrity;	drainage line
 impact of opportunities for revegetation and rehabilitation planting; 	d. 100m from the edge of a Ramsar wetland, 50m from all other wetlands.
e. edge effects.	Note - W1, W2 and W3 waterway and drainage lines, and wetlands are mapped on Schedule 2, Section 2.5 Overlay Maps – Riparian and wetland setbacks.
Scenic amenity - Regionally significant (Hills) and Lo amenity to determine if the following assessment cri	

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PO50		E50			
Deve a. b. c.	elopment: avoids being viewed as a visually conspicuous built form on a hill top or ridgeline; retain the natural character or bushland settings as the dominant landscape characteristic; is viewed as being visually consistent with the natural landscape setting and does not diminish the scenic and visual qualities present in the environment.	amenity overlay, t a. located on a b. all parts of th	he Regionally signi buildings and structu hill top or ridge line ne building and stru I top or ridge line.	ures are not: ;	
PO51		E51			
 Development: a. does not adversely detract or degrade the quality of views, vista or key landmarks; b. retains the natural character or bushland settings as the dominant landscape characteristic. 		 Where located in the Regionally significant (Hills) scenic amenity overlay, driveways and accessways: a. go across land contours, and do not cut straight up slopes; b. follow natural contours, not resulting in batters or retaining walls being greater than 900mm in height. 			
PO52		E52.1			
Build that: a.	dings and structures incorporate colours and finishes are consistent with a natural, open space character	Where located in the Regionally significant (hills) scenic amenity overlay, roofs and wall surfaces of buildings and structures adopt the following colours:			
h	and bushland environment;	Colours from Australian Standard AS2700s – 1996			
b.	do not produce glare or appear visual incompatible with the surrounding natural character and bushland environment; are not visually dominant or detract from the natural qualities of the landscape.	G12 – Holly	G54 – Mist Green	N 44 – Bridge Grey	
C.		G13 – Emerald	G55 – Lichen	N45 – Koala Grey	
		G14 – Moss Green	G56 – Sage Green	N52 – Mid Grey	
		G15 – Rainforest Green	G62 – Rivergum	N54 – Basalt	
		G16 – Traffic Green	G64 – Slate	N55 – Lead Grey	
		G17 – Mint Green	G65 – Ti Tree	X54 – Brown	
		G21 – Jade	N25 – Birch Grey	X61 – Wombat	
		G22 – Serpentine	N32 – Green Grey	X62 – Dark Earth	
		G23 – Shamrock	N33 – Lightbox Grey	X63 – Iron Bark	
		G24 – Fern Green	N35 – Light Grey	Y51 – Bronze Olive	
		G25 – Olive	N41 – Oyster	Y61 – Black Olive	
		G34 – Avocado	N42 – Storm Grey	Y63 – Khaki	
		G52 – Eucalyptus	N43 – Pipeline Grey	Y66 – Mudstone	
		G53 – Banksia			
		E52.2			

	Where located in the Regionally significant (hills) scenic amenity overlay, roofs and wall surfaces of buildings and structures are painted or finished such that reflectivity is less than 35%.		
PO53	E53		
 Landscaping a. complements the coastal landscape character and amenity; b. has known resilience and robustness in the coastal environment; Fences and walls: a. do not appear visually dominant or conspicuous within its setting; b. reduce visual appearance through the use of built form articulation, setbacks, and plant screening; c. use materials and colours that are complementary to the coastal environment. Building design responds to the bayside location and complements the particular bayside character and amenity by adopting and incorporating a range of architectural character elements. Vegetation that contributes to bayside character and identity are: a. retained; b. protected from development diminishing their significance. 	 Where located in the Locally Important (Coast) scenic amenity overlay: a. landscaping comprises indigenous coastal species; b. fences and walls are no higher than 1m; and c. existing pine trees, palm trees, mature fig and cotton trees are retained. d. where over 12m in height, the building design includes the following architectural character elements: i. curving balcony edges and walls, strong vertical blades and wall planes; ii. balcony roofs, wall articulation expressed with different colours, curves in plan and section, and window awnings; iii. roof top outlooks, tensile structures as shading devices; iv. lightweight structures use white frame elements in steel and timber, bold colour contrast. 		