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:

- 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, 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 supplies⁽³²⁾ 	• Port services ⁽⁶¹⁾
•	Agricultural supplies (2) store	• Health care services	 Relocatable home ⁽⁶²⁾ park
•	Air services ⁽³⁾	• High impact industry	Renewable energy
•	Animal keeping ⁽⁵⁾	• Home based business ⁽³⁵⁾	facility ⁽⁶³⁾
•			 Research and technology industry⁽⁶⁴⁾
	Aquaculture ⁽⁶⁾	• Hospital ⁽³⁶⁾	• Residential care facility (65)
	Bar ⁽⁷⁾	• Hotel ⁽³⁷⁾	
	Brothel ⁽⁸⁾	 Indoor sport and ⁽³⁸⁾ recreation 	• Resort complex (66)
•	Bulk landscape ⁽⁹⁾ supplies	Intensive animal (20)	• Retirement facility ⁽⁶⁷⁾
•	Caretaker's	(39) industry	• Roadside stall ⁽⁶⁸⁾
	accommodation ⁽¹⁰⁾	• Intensive horticulture (40)	 Rooming accommodation⁽⁶⁹⁾
•	(11) Car wash	• Landing ⁽⁴¹⁾	• Rural industry
•	(12) Cemetery	• Low impact industry (42)	Rural workers'
•	Child care centre ⁽¹³⁾	Major electricity (43)	accommodation ⁽⁷¹⁾
•	Club ⁽¹⁴⁾	infrastructure	• Sales office ⁽⁷²⁾
•	Community care	 Major sport, recreation and entertainment (44) facility 	• Service industry ⁽⁷³⁾
•	centre ⁽¹⁵⁾ (16)	• Marine industry ⁽⁴⁵⁾	• Service station ⁽⁷⁴⁾
	Community residence ⁽¹⁶⁾	• Market ⁽⁴⁶⁾	• Shop ⁽⁷⁵⁾
	(17) Community use	Medium impact	• Shopping centre ⁽⁷⁶⁾
	Crematorium ⁽¹⁸⁾	(47) industry	• Short-term
•	(19) Cropping	• Motor sport facility ⁽⁴⁸⁾	accommodation
•	(20) Detention facility	• Multiple dwelling ⁽⁴⁹⁾	• Showroom ⁽⁷⁸⁾
•	(21) Dual occupancy	Nightclub entertainment	• Special industry ⁽⁷⁹⁾
•	(22) Dwelling house	facility ⁽⁵¹⁾	• Substation ⁽⁸⁰⁾
•	Dwelling unit ⁽²³⁾	 Non-resident workforce (52) accommodation 	• Theatre ⁽⁸²⁾

 Educational establishment⁽²⁴⁾ 	• Office ⁽⁵³⁾	• Tourist attraction ⁽⁸³⁾
• Emergency services ⁽²⁵⁾	 Outdoor sales⁽⁵⁴⁾ Outdoor sport and 	 Tourist park⁽⁸⁴⁾ Transport depot⁽⁸⁵⁾
 Extractive industry⁽²⁷⁾ Food and drink outlet⁽²⁸⁾ 	 recreation Parking station 	• Veterinary services (87)
• Function facility ⁽²⁹⁾	• Place of worship ⁽⁶⁰⁾	 Warehouse⁽⁸⁸⁾ Wholesale nursery⁽⁸⁹⁾
 Funeral parlour ⁽³⁰⁾ Garden centre ⁽³¹⁾ 		• (90) Winery

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 Part A, Table 6.2.4.1 and the whole of the planning scheme.

Part A—Criteria for assessable development - Environmental management and conservation zone

Table 6.2.4.1 Assessable development - Environmental management and conservation zone

Performance outcomes		Examples that achieve aspects of the Performance Outcomes
	General	criteria
Effe	cts of development	
PO1		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	n and nature of development	
PO2		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		No example provided.
recro scal appr	elopment is limited to tourism and nature-based eation, educational activities and facilities, small e utility installation ⁽⁸⁶⁾ . Development is in opriate locations that are allied to, and compatible , 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.

Acid sulfate soils - (refer Overlay map - Acid sulfate soils to determine if the following assessment criteria apply)

Note - To demonstrate achievement of the performance outcome, an Acid sulfate soils (ASS) investigation report and soil management plan is prepared by a qualified engineer. Guidance for the preparation an ASS investigation report and soil management plan is provided in Planning scheme policy - Acid sulfate soils.

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			

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		
Develop	Development:		Buildings and structures are:	
wor risk b. ens of a	sures the protection of life during the passage a fire front;	a. b. c.	not located on a ridgeline; not located on land with a slope greater than 15% (see Overlay map - Landslide hazard); dwellings are located on east to south facing slopes.	
of s bus d. mir	ocated and designed to increase the chance survival of buildings and structures during a shfire; himises bushfire risk from build up of fuels bund buildings and structures;	E6.2 Build site:	dings and structures have contained within the	
e. ens	sure safe and effective access for emergency vices during a bushfire.	a. b. c.	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	

P07 Development and associated driveways and access ways: a. avoid potential for entrapment during a bushfire:	 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%: to, and around, each building and other roofed structure; and 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 E7 to a road does not exceed 100m between the most distant part of a building used for any
 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. 	 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.
P08	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.

	 i. a hardstand area allowing medium rigid vehicles (15 tonne fire appliance) access within 6m of the tank; ii. 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 of 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. 			
 riteria 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; 			
or damage to infrastructure;d. Clearing of native vegetation reasonably necessary to c	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.		
	Clearing of native vegetation reasonably necessary for the purpose of maintenance or works within a registered easement		
f. Clearing of native vegetation in accordance with a bushfir to and accepted by Council;	Clearing of native vegetation in accordance with a bushfire management plan prepared by a suitably qualified person, submitted		
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 uno	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 connectivity			
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, underpasses, overpasses, land bridges and rope bridges. Further information is provided in Planning scheme policy – Environmental areas.		
Vegetation clearing and habitat protection		
PO12	No example provided.	
Development ensures that the biodiversity quality and integrity of habitats is not adversely impacted upon but maintained and protected.		
PO13	No example provided.	
Development does not result in the net loss or degradation of habitat value in a High Value Area or a Value Offset Area. Where development does result in the loss or degradation of habitat value, development will:		
 a. rehabilitate, revegetate, restore and enhance an area to ensure it continues to function as a viable and healthy habitat area; b. provide replacement fauna nesting boxes in the event of habitat tree loss in accordance with Planning scheme policy - Environmental areas; c. undertake rehabilitation, revegetation and restoration in accordance with the South East Queensland Ecological Restoration Framework. 		
PO14	No example provided.	
Development ensures safe, unimpeded, convenient and ongoing wildlife movement and habitat connectivity by:		
 a. providing contiguous patches of habitat; b. avoiding the creation of fragmented and isolated patches of habitat; c. providing wildlife movement infrastructure; d. providing replacement and rehabilitation planting to improve connectivity. 		
Vegetation clearing and soil resource stability		
PO15	No example provided.	
Development does not:		
 a. result in soil erosion or land degradation; b. leave cleared land exposed for an unreasonable period of time but is rehabilitated in a timely manner. 		

Vegetation clearing and water quality		
PO16		No example provided.
Development maintains or improves the quality of groundwater and surface water within, and downstream, of a site by:		
a. b. c.	ensuring an effective vegetated buffers and setbacks from waterbodies is retained to achieve natural filtration and reduce sediment loads; avoiding or minimising changes to landforms to maintain hydrological water flows; 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.	
PO1	7	No example provided.
	elopment minimises adverse impacts of mwater run-off on water quality by: minimising flow velocity to reduce erosion; minimising hard surface areas; maximising the use of permeable surfaces; incorporating sediment retention devices; minimising channelled flow.	
Veg	etation clearing and access, edge effects and	urban heat island effects
PO18 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.		No example provided.
PO1	9	No example provided.
Development minimises potential adverse 'edge effects' on ecological values by:		
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 vehicle) are setback as far as possible from environmental areas and corridors;	
e.	landscaping with native plants of local origin.	

Editor's note - Edge effects are factors of development that go to detrimentally affecting the composition and density of natural populations at the fringe of natural areas. Factors include weed invasion, pets, public and vehicle access, nutrient loads, noise and light pollution, increased fire frequency and changes in the groundwater and surface water flow.		
PO20	No example provided.	
Development avoids adverse microclimate change and does not result in increased urban heat island effects. Adverse urban heat island effects are minimised by:		
 a. pervious surfaces; b. providing deeply planted vegetation buffers and green linkage opportunities; c. landscaping with local native plant species to achieve well-shaded urban places; d. increasing the service extent of the urban forest canopy. 		
Vegetation clearing and Matters of Local Environm	nental Significance (MLES) environmental offsets	
PO21	No example provided.	
Where development results in the unavoidable loss of native vegetation within a Value Offset Area MLES waterway buffer or a Value Offset Area MLES wetland buffer, an environmental offset is required in accordance with the environmental offset requirements identified in Planning scheme policy - Environmental areas.		
Editor's note - For MSES Koala Offsets, the environmental offset provisions in schedule 11 of the Regulation, in combination with the requirements 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 outcomer qualified person. Guidance to preparing noise impact assessmen		
P022	E22	
Development does not increase the number of people living in the Extractive Resources separation area.	One dwelling house permitted per lot within separation area.	
P023	E23	

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-		
d. Dwelling unit ⁽²³⁾ e. Hospital ⁽³⁶⁾		
E24		
 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. 		
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		
 Note - To assist in demonstrating achievement of this performance outcome, a Tree assessment report is prepared by a 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 Register, are also identified in Schedule 1 of Planning scheme policy - Heritage Register, are also identified in Schedule 1 of Planning scheme policy - Heritage Register, are also identified in Schedule 1 of Planning scheme policy - Heritage Register, are also identified in Schedule 1 of Planning scheme policy - Heritage Register, are also identified in Schedule 1 of Planning scheme policy - Heritage Register, are also identified in Schedule 1 of Planning scheme policy - Heritage Register, are also identified in Schedule 1 of Planning scheme policy - Heritage Register, are also identified in Schedule 1 of Planning scheme policy - Heritage Register, are also identified in Schedule 1 of Planning scheme policy - Heritage Register, are also identified in Schedule 1 of Planning scheme policy - Heritage Register, are also identified in Schedule 1 of Planning scheme policy - Heritage Register, are also identified in Schedule 1 of Planning scheme policy - Heritage Register, are also iden		

PO	26	E26
Dev a. b. c. d. e. f.	relopment 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 Den a. b. c. d.	27 nolition and removal is only considered where: 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 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.	No example provided.
site be s heri thei	28 ere development is occurring on land adjoining a of cultural heritage value, the development is to sympathetic to and consistent with the cultural tage values present on the site and not result in r values being eroded, degraded or unreasonably cured from public view.	No example provided.
hea	29 relopment does not adversely impact upon the lth and vitality of significant trees. Where elopment occurs in proximity to a significant tree,	E29 Development does: a. not result in the removal of a significant tree;

construction measures and techniques as detailed in AS 4970-2009 Protection of trees on development sites are adopted to ensure a significant tree's health, wellbeing and vitality.	 b. not occur within 20m of a protected tree; c. involve pruning of a tree in accordance with Australian Standard AS 4373-2007 – Pruning of Amenity Trees.
Significant trees are only removed where they are in a poor state of health or where they pose a health and safety risk to persons or property. A Tree Assessment report prepared by a suitably qualified arborist confirming a tree's state of health is required to demonstrate achievement of this performance outcome.	

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:	Dev	elopment does not:
 a. maintains the safety of people a a site and neighbouring sites from a site and neighbouring sites from the surface of a site and neighbouring sites from the site and the stability of the site and the surface of adjoining residents and provision of the streetscape. 	om landslides; of the site end use of the phases of al drainage ot result in the existing flow ifb.	involve earthworks exceeding 50m ³ ; involve cut and fill having a height greater than 600mm; involve any retaining wall having a height greater than 600mm; redirect or alter the existing flow of surface or groundwater.
PO31	E31	
 PO31 Buildings are designed to respond to sloping topography in the siting, design and form of buildings and structures by: a. minimising overuse of cut and fill to create single flat pads and benching; b. avoiding expanses of retaining walls, loss of trees and vegetation and interference with natural drainage systems; c. minimising any adverse visual impact on the landscape character ; d. Protect the amenity of adjoining properties. 		dings, excluding domestic outbuildings: are split-level, multiple-slab, pier or pole construction; are not single plane slab on ground.
PO32	E32	

 Development protects the safety of people, property and the environment from the impacts of landslide on hazardous chemicals manufactured, handled or stored by incorporating design measures to ensure: a. the long-term stability of the development site considering the full nature and end use of the development; b. site stability during all phases of construction and development; c. the development is not adversely affected by landslide activity originating on sloping land above the site; d. 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.
PO33 Odour sensitive development is separated from Wastewater treatment plants so they are not adversely affected by odour emission or other air pollutant impacts.	E33 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⁾ ; l. Resort complex ⁽⁶⁶⁾ ; m. Retirement facility ⁽⁶⁷⁾ ; n. Rural workers' accommodation ⁽⁷¹⁾ ; o. Short-term accommodation ⁽⁷⁷⁾ ;
PO34	p. Tourist park⁽⁸⁴⁾E34.1

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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	Secondary treated wastewater treatment systems within a Water supply buffer include:
no worsening or adverse impacts to health risks, environmental risks and water quality. Editor's Note - For guidance refer to the Seq water Development Guidelines: Development Guidelines for Water Quality	a. emergency storage capable of holding 3-6 hours peak flow of treated effluent in the event of emergencies or overload with provision for de-sludging;
Management in Drinking Water Catchments 2012.	b. back up pump installation and backup power;

	 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.
 PO36 Development within a Bulk water supply infrastructure 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; 	 E36 Development: 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.
PO37 Development is located and designed to maintain required access to Bulk water supply infrastructure.	 E37 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⁾ ;

	 I. Resort complex⁽⁶⁶⁾; m. Retirement facility⁽⁶⁷⁾; n. Rural workers' accommodation⁽⁷¹⁾; o. Short-term accommodation⁽⁷⁷⁾; p. Tourist park⁽⁸⁴⁾. 	
PO39	E39	
Development within a High voltage electricity line buffer provides adequate buffers to high voltage electricity lines to protect amenity and health by ensuring development:	Development does not involve the construction of any buildings or structures within a High voltage electricity line buffer.	
 a. 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; b. is located and designed in a manner that maintains a high level of security of supply; c. is located and design so not to impede upon the functioning and maintenance of high voltage electrical infrastructure. 		
PO40	E40	
Development within a Pumping station buffer is located, designed 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 2008.		
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.		
PO41	No example provided.	
Development:		
a. minimises the risk to persons from overland flow;b. does not increase the potential for damage from overland flow either on the premises or other		

premises, public land, watercourses, roads or infrastructure.	
PO42	No example provided.
Development:	
 a. 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; b. does not concentrate, intensify or divert overland flow onto an upstream, downstream or surrounding property. 	
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.	
PO43	No example provided.
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.	
PO44	E44
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.	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	E45

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.	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	E46.1
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	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 as identified in QUDM: b. Rural 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. No example provided.
 a. 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⁾	1
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: a. public benefit and enjoyment is maximised;	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.

b. c.	impacts on the asset life and integrity of park structures is minimised; maintenance and replacement costs are	
	minimised.	
Ripa	arian and wetland setbacks	
PO4	9	E49
setb natu by re	elopment provides and maintains a suitable ack from waterways and wetlands that protects ral and environmental values. This is achieved ecognising and responding to the following	Development does not occur within:a. 50m from top of bank for W1 waterway and drainage line
mati 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 drainage line
c. d.	impact on stream integrity; 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.
	nic amenity - Regionally significant (Hills) and nic amenity to determine if the following asse	Locally important (Coast) (refer Overlay map - ssment criteria apply)
PO5	50	E50
Dev	elopment:	Where located in the Regionally significant (Hills)
a.	avoids being viewed as a visually conspicuous built form on a hill top or ridgeline;	scenic amenity overlay, buildings and structures are not:
b.	retain the natural character or bushland settings as the dominant landscape characteristic;	a. located on a hill top or ridge line;b. all parts of the building and structure are located
C.	is viewed as being visually consistent with the natural landscape setting and does not diminish the scenic and visual qualities present in the environment.	below the hill top or ridge line.
PO	51	E51
Dev	elopment:	Where located in the Regionally significant (Hills) scenic amenity overlay, driveways and accessways:
a.	does not adversely detract or degrade the quality of views, vista or key landmarks;	a. go across land contours, and do not cut straight
b.	retains the natural character or bushland settings as the dominant landscape characteristic.	b. follow natural contours, not resulting in batters or retaining walls being greater than 900mm in height.

PO52

Buildings and structures incorporate colours and finishes that:

- a. are consistent with a natural, open space character and bushland environment;
- b. do not produce glare or appear visual incompatible with the surrounding natural character and bushland environment;
- c. are not visually dominant or detract from the natural qualities of the landscape.

E52.1

Where located in the Regionally significant (hills) scenic amenity overlay, roofs and wall surfaces of buildings and structures adopt the following colours:

Colours from Australian Standard AS2700s – 1996					
G12 – Holly	G54 – Mist Green	N 44 – Bridge Grey			
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%.

	tha	t reflectivity is less than 35%.	
P053	E5	3	
 Landscaping a. complements the coastal landscape character and amenity; b. has known resilience and robustness in the coastal environment; 	am	Where located in the Locally Important (Coast) scenic amenity overlay:	
	robustness in the b.	landscaping comprises indigenous coastal species; fences and walls are no higher than 1m; and	
Fences and walls:			

a.	do not appear visually dominant or conspicuous within its setting;	C.	existing pine trees, palm trees, mature fig and cotton trees are retained.
b.	reduce visual appearance through the use of built form articulation, setbacks, and plant screening;	d.	where over 12m in height, the building design includes the following architectural character elements:
C.	use materials and colours that are complementary to the coastal environment.		 curving balcony edges and walls, strong vertical blades and wall planes;
com	ding design responds to the bayside location and plements the particular bayside character and nity by adopting and incorporating a range of		balcony roofs, wall articulation expressed with different colours, curves in plan and section, and window awnings;
	itectural character elements.		iii. roof top outlooks, tensile structures as shading devices;
	etation that contributes to bayside character and tity are: retained; protected from development diminishing their significance.		iv. lightweight structures use white frame elements in steel and timber, bold colour contrast.