

6.2.11 Rural residential zone code

6.2.11.1 Application - Rural residential zone

This code applies to assessing development in the Rural residential 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.

For accepted development subject to requirements or assessable development under this Code :

1. Part A of the code applies to accepted development subject to requirements
2. Part B of the code applies to assessable development.

A dwelling house⁽²²⁾ in this zone is not subject to Schedule 6, Part 2, Item 2. Development associated with a dwelling house⁽²²⁾ is subject to the relevant provisions in this code and not the dwelling house code.

6.2.11.2 Purpose - Rural residential zone

1. The purpose of the Rural residential zone is to provide for residential development on large lots where infrastructure and services may not be provided and where the intensity of residential development is generally dispersed. The zone is generally located at the urban-rural fringe, having a semi-rural or bushland amenity and character with a strong dominance of open area and scope for planting. Development is characteristically low density (large lots), low intensity of built form and catering for a range of lifestyle choices. The opportunity and ability for rural uses to occur is retained. Limited provision for other low intensity non-residential uses is also provided where it is demonstrated they have minimal adverse impacts on the amenity and character of the zone.
2. The Rural residential zone seeks to implement the policy direction set in Part 3, Strategic Framework.
3. The purpose of the Rural residential zone will be achieved through the following overall outcomes:
 - a. A range of larger lots used primarily for residential (lifestyle) activities with limited provision of infrastructure. Residential uses are limited to a single dwelling house⁽²²⁾ per allotment. A secondary dwelling is permitted provided it functions and appears subordinate to the principal dwelling house⁽²²⁾.
 - b. The ongoing operation of existing rural uses and primary production activities is retained. Rural uses and primary production activities establish where they do not adversely impact on the use, character and amenity values of adjoining properties.
 - c. Development maintains a distinct and recognisable transition between more intensively urbanised areas of the region, and the region's largely undeveloped rural hinterland.
 - d. Development does not detrimentally impact upon the low density, low intensity and open area character and amenity associated with the Rural residential zone.
 - e. Development does not fragment, pre-empt or compromise the potential for development in areas identified as potential future growth fronts for urban purposes beyond the life of the planning scheme.

Note - The potential future growth areas are shown on Overlay map - Rural residential lot sizes as having no further subdivision.

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- f. Development does not adversely affect the operation of aviation facilities at Mt Glorious (See Overlay map - Infrastructure buffers). This aviation facility comprise a VHF beacon.
- g. Home based business⁽³⁵⁾ establish where the scale and intensity of the activity does not detrimentally impact upon the low density, low intensity and open area character and amenity associated with the Rural residential zone.
- h. Retail and commercial activity group uses establish within existing Neighbourhood Hubs (see Overlay map - Community activities and neighbourhood hubs). Redevelopment or development within existing Neighbourhood Hubs occurs where:
 - i. development does not result in nuisance or amenity impacts on adjoining residents or the wider streetscape;
 - ii. development is small scale, low intensity and consistent with the rural residential character and amenity associated with the particular Neighbourhood hub; and
 - iii. development associated with retail and commercial activity group activities does not involve the expansion of existing Neighbourhood hubs onto adjoining lots.
- i. Community activity group uses establish within existing Community Activities locations (see Overlay map - Community activities and neighbourhood hubs). Community activity group activities may only establish on lots that immediately adjoin existing Community activities and neighbourhood hubs only. Redevelopment or development within existing Community Activities locations, or on lots immediately adjoining Community activities and neighbourhood hubs occurs where:
 - i. development does not result in nuisance or amenity impacts on adjoining residents or the wider streetscape; and
 - ii. development is small scale, low intensity and consistent with the rural residential character and amenity associated with the particular Community Activities location.
- j. Development generating high volumes of traffic or involving heavy vehicle traffic movements are located on roads of a standard and capacity to accommodate traffic demand.
- k. Development does not result in the establishment of industrial activities.
- l. General works associated with the development achieves the following:
 - i. a high standard of electricity, telecommunications, roads, sewerage, water supply and street lighting services is provided to new developments to meet the current and future needs of users of the site;
 - ii. the development manages stormwater to:
 - A. ensure the discharge of stormwater does not adversely affect the quality, environmental values or ecosystem functions of downstream receiving waters;
 - B. prevent stormwater contamination and the release of pollutants;
 - C. maintain or improve the structure and condition of drainage lines and riparian areas;
 - D. avoid off-site adverse impacts from stormwater.
 - iii. the development does not result in unacceptable impacts on the capacity on the capacity and safety of the external road network;
 - iv. the development ensures the safety, efficiency and useability of access ways and parking areas;
 - v. site works including earthworks are managed to be safe and have minimal impacts on adjoining or adjacent premises, the streetscape or the environment.
- m. Activities associated with a use do not cause a nuisance by way of aerosols, fumes, light, noise, odour, particles or smoke;
- n. Noise generating uses are designed, sited and constructed to minimise the transmission of noise to appropriate levels and do not cause environmental harm or nuisance.

- o. Noise sensitive uses are designed, sited and constructed so as not to be subject to unacceptable levels of noise.
- p. 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.
- q. 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.
- r. Development in the Rural residential zone includes one or more of the following:

<ul style="list-style-type: none"> • Animal husbandry⁽⁴⁾ • Animal keeping⁽⁵⁾ - excluding catteries and kennels 	<ul style="list-style-type: none"> • Dwelling house⁽²²⁾ • Emergency services⁽²⁵⁾ • Environment facility⁽²⁶⁾ 	<ul style="list-style-type: none"> • Permanent plantation⁽⁵⁹⁾ • Retail and Commercial Activity Group - where in a Neighbourhood Hub
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<ul style="list-style-type: none"> • Aquaculture⁽⁶⁾ - if water area associated with ponds and dams are less than 200m² or housed tanks are less than 50m² • Community Activity Group - where in or adjoining a Community Activity location • Community residence⁽¹⁶⁾ • Cropping⁽¹⁹⁾, where not forestry for wood production 	<ul style="list-style-type: none"> • Home based business⁽³⁵⁾ • Intensive horticulture⁽⁴⁰⁾ - where on lots 1 ha or more • Non resident workforce accommodation⁽⁵²⁾ - where on lots 2 ha or more • Outdoor sports and recreation⁽⁵⁵⁾ - if located on Council owned or controlled land and in accordance with a Council approved Master Plan • Park 	<ul style="list-style-type: none"> • Roadside stall⁽⁶⁸⁾ • Rural Industry⁽⁷⁰⁾ - where on lots 1 ha or more and GFA no more than 150m² • Rural workers' accommodation⁽⁷¹⁾ - where on lots 2 ha or more • Sales office⁽⁷²⁾ • Telecommunication facility • Veterinary services⁽⁸⁷⁾ - where on lots 1 ha or more • Wholesale nursery⁽⁸⁹⁾ - where on lots 1 ha or more • Winery⁽⁹⁰⁾
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Note - Community Activity Group = Child care centre⁽¹³⁾, Community care centre⁽¹⁵⁾, Community use⁽¹⁷⁾, Health care services⁽³³⁾, Place of worship⁽⁶⁰⁾.

Note - Retail and Commercial Activity Group = Agricultural supplies store⁽²⁾, Food and drink outlet⁽²⁸⁾, Indoor sport and recreation - for a gymnasium, Office⁽⁵³⁾, Service industry⁽⁷³⁾, Shop⁽⁷⁵⁾, Shopping centre⁽⁷⁶⁾, Veterinary services⁽⁸⁷⁾.

s. Development in the Rural residential zone does not include one or more of the following:

<ul style="list-style-type: none"> • Adult store⁽¹⁾ • Air services⁽³⁾ • Bar⁽⁷⁾ • Brothel⁽⁸⁾ • Bulk landscape supplies⁽⁹⁾ • Car wash⁽¹¹⁾ • Caretaker's accommodation⁽¹⁰⁾ • Cemetery⁽¹²⁾ • Community Activity Group - where not in or adjoining a Community Activity location • Crematorium⁽¹⁸⁾ • Cropping⁽¹⁹⁾ - where forestry for wood production • Detention facility⁽²⁰⁾ 	<ul style="list-style-type: none"> • High Impact industry⁽³⁴⁾ • Hospital⁽³⁶⁾ • Hotel⁽³⁷⁾ • Intensive animal industry⁽³⁹⁾ • Landing⁽⁴¹⁾ • Low impact industry⁽⁴²⁾ • Major sport, recreation and entertainment facility⁽⁴⁴⁾ • Marine industry⁽⁴⁵⁾ • Medium impact industry⁽⁴⁷⁾ • Motor sport facility⁽⁴⁸⁾ • Multiple dwelling⁽⁴⁹⁾ • Nature-based tourism⁽⁵⁰⁾ • Nightclub entertainment facility⁽⁵¹⁾ 	<ul style="list-style-type: none"> • Relocatable home park⁽⁶²⁾ • Renewable energy facility⁽⁶³⁾ • Research and technology industry⁽⁶⁴⁾ • Residential care facility⁽⁶⁵⁾ • Resort complex⁽⁶⁶⁾ • Retail and Commercial Activity Group - where not in a Neighbourhood Hub • Retirement facility⁽⁶⁷⁾ • Rooming Accommodation⁽⁶⁹⁾ • Service station⁽⁷⁴⁾ • Shopping centre⁽⁷⁶⁾ • Short-term accommodation⁽⁷⁷⁾ • Showroom⁽⁷⁸⁾ • Special industry⁽⁷⁹⁾
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<ul style="list-style-type: none"> • Dual occupancy⁽²¹⁾ • Dwelling unit⁽²³⁾ • Extractive industry⁽²⁷⁾ • Funeral parlour⁽³⁰⁾ • Function facility⁽²⁹⁾ • Hardware and trade supplies⁽³²⁾ 	<ul style="list-style-type: none"> • Outdoor sales⁽⁵⁴⁾ • Outdoor sport and recreation⁽⁵⁵⁾ - where not located on Council owned or controlled land • Parking station⁽⁵⁸⁾ • Port services⁽⁶¹⁾ 	<ul style="list-style-type: none"> • Theatre⁽⁸²⁾ • Tourist attraction⁽⁸³⁾ • Tourist park⁽⁸⁴⁾ • Transport depot⁽⁸⁵⁾ • Warehouse⁽⁸⁸⁾
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Note - Community Activity Group = Child care centre⁽¹³⁾, Community care centre⁽¹⁵⁾, Community use⁽¹⁷⁾, Health care services⁽³³⁾, Place of worship⁽⁶⁰⁾.

Note - Retail and Commercial Activity Group = Agricultural supplies store⁽²⁾, Food and drink outlet⁽²⁸⁾, Indoor sport and recreation⁽³⁸⁾ - for a gymnasium, Office⁽⁵³⁾, Service industry⁽⁷³⁾, Shop⁽⁷⁵⁾, Shopping centre⁽⁷⁶⁾, Veterinary services⁽⁸⁷⁾.

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

6.2.11.4 Accepted development subject to requirements

If development is to be categorised as accepted development subject to requirements it must comply with the requirements for accepted development set out in Part A, Table 6.2.11.1. Where the development does not meet a requirement for accepted development (RAD) within Part A, Table 6.2.11.1, the category of development changes to assessable development under the rules outlined in section 5.3.3. (1), and assessment is against the corresponding performance outcome (PO) identified in the table below. This only occurs whenever a RAD is not met, and is therefore limited to the subject matter of the RADs that are not complied with. To remove any doubt, for those RADs that are complied with, there is no need for assessment against the corresponding PO.

Requirements for accepted development (RAD)	Corresponding performance outcomes (PO)
RAD1	PO2
RAD2	PO3
RAD3	PO4
RAD4	PO6
RAD5	PO7
RAD6	PO8
RAD7	PO9
RAD8	PO10
RAD9	PO14-PO17
RAD10	PO14-PO17
RAD11	PO18
RAD12	PO19
RAD13	PO27

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Requirements for accepted development (RAD)	Corresponding performance outcomes (PO)
RAD14	PO22
RAD15	PO22
RAD16	PO22
RAD17	PO31-PO33
RAD18	PO33
RAD19	PO30
RAD20	PO30
RAD21	PO34
RAD22	PO37
RAD23	PO38
RAD24	PO39
RAD25	PO38
RAD26	PO45
RAD27	PO40
RAD28	PO40
RAD29	PO43
RAD30	PO43
RAD31	PO44
RAD32	PO50
RAD33	PO46
RAD34	PO46
RAD35	PO46
RAD36	PO52
RAD37	PO46
RAD38	PO46, PO50, PO51
RAD39	PO48
RAD40	PO48
RAD41	PO54
RAD42	PO54
RAD43	PO54
RAD44	PO55
RAD45	PO56
RAD46	PO58
RAD47	PO59

Requirements for accepted development (RAD)	Corresponding performance outcomes (PO)
RAD48	PO60
RAD49	PO61
RAD50	PO63
RAD51	PO63
RAD52	PO64
RAD53	PO64
RAD54	PO64
RAD55	PO65
RAD56	PO65
RAD57	PO65
RAD58	PO65
RAD59	PO65
RAD60	PO66
RAD61	PO67
RAD62	PO67
RAD63	PO67
RAD64	PO67
RAD65	PO68
RAD66	PO68
RAD67	PO69
RAD68	PO73-PO75
RAD69	PO73-PO75
RAD70	PO73-PO75
RAD71	PO73-PO75
RAD72	PO75
RAD73	PO75
RAD74	PO76
RAD75	PO77
RAD76	PO77
RAD77	PO78
RAD78	PO79
RAD79	PO81
RAD80	PO81
RAD81	PO81

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Requirements for accepted development (RAD)	Corresponding performance outcomes (PO)
RAD82	PO82
RAD83	PO82
RAD84	PO84
RAD85	PO84
RAD86	PO84
RAD87	PO84
RAD88	PO84
RAD89	PO84
RAD90	PO85
RAD91	PO87
RAD92	PO88
RAD93	PO86, PO89
RAD94	PO89
RAD95	PO89
RAD96	PO89
RAD97	PO91
RAD98	PO95
RAD99	PO96
RAD100	PO96
RAD101	PO97
RAD102	PO98
RAD103	PO99
RAD104	PO100-PO111
RAD105	PO100-PO111
RAD106	PO112
RAD107	PO113
RAD108	PO114
RAD109	PO115
RAD110	PO116
RAD111	PO117
RAD112	PO117
RAD113	PO118, PO119
RAD114	PO118, PO119
RAD115	PO121

Requirements for accepted development (RAD)	Corresponding performance outcomes (PO)
RAD116	PO121
RAD117	PO121
RAD118	PO122
RAD119	PO123
RAD120	PO124
RAD121	PO125
RAD122	PO126
RAD123	PO126
RAD124	PO129
RAD125	PO127
RAD126	PO127
RAD127	PO127
RAD128	PO127
RAD129	PO128
RAD130	PO128
RAD131	PO130
RAD132	PO131, PO132
RAD133	PO133
RAD134	PO135-PO137, PO139-PO141
RAD135	PO135-PO137, PO139-PO141
RAD136	PO135-PO137, PO139-PO141
RAD137	PO138
RAD138	PO142
RAD139	PO143
RAD140	PO144
RAD141	PO145
RAD142	PO146
RAD143	PO146

Where building work for a Dwelling house is listed as accepted development subject to requirements in the relevant table of assessment but cannot comply with one or more of the requirements for accepted development (RADs) listed as a concurrence agency issue in the table below, Council will undertake an assessment of those aspects of non-compliance as part of its concurrence agency role for the required building development application. In those instances, the non-compliance does not change the level of assessment, and will be assessed by Council against the performance outcome listed above for the corresponding requirement for accepted development (RAD).

Where building work for a Dwelling house which would otherwise be accepted development subject to requirements cannot comply with a requirement for accepted development that is not listed as a concurrence agency issue, it becomes assessable development in accordance with section 5.3.3(1)(a)(ii).

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Note - Editor's note - The non-compliance triggers a limited code assessment unless specified otherwise.

Concurrence agency issues for building work	
Alternative provisions to the QDC	Matters that relate to amenity and aesthetics
RAD6	Nil
RAD8	
RAD47	
RAD48	
RAD50	

Editor's note - See also Council's policy on other forms of building work that may trigger an amenity and aesthetics assessment. That assessment is undertaken against the measures contained in the policy, not the provisions of this planning scheme or any planning scheme policy.

Part A — Requirements for accepted development - Rural residential zone

Table 6.2.11.1 Requirements for accepted development - Rural residential zone

Requirements for accepted development	
General requirements	
Development footprint	
RAD1	Where a development footprint has been identified as part of a development approval for reconfiguring a lot, all development occurs within the development footprint.
Building height	
RAD2	Unless otherwise specified elsewhere in this code, the building height of all buildings and structures does not exceed 5m.
Setback	
RAD3	<p>Unless otherwise specified elsewhere in this code, the minimum setbacks from a property boundary are as follows:</p> <ul style="list-style-type: none"> a. road boundary – 6m b. side boundary – 4.5m c. rear boundary – 4.5m. <p>Note - This provision does not apply where a development footprint exists for a lot.</p> <p>Note - This provision does not apply to swimming pools. For swimming pools, refer to Queensland Development Codes, Acceptable Solutions.</p> <p>Note - Where located in a bushfire hazard area (see Overlay map - Bushfire hazard) a greater setback may be required. See values and constraints requirements Bushfire hazard.</p>
Lighting	

RAD4	Artificial lighting on-site is directed and shielded in such a manner as not to exceed the recommended maximum values of light technical parameters for the control of obtrusive light given in Table 2.1 of Australian Standard AS 4282 (1997) Control of Obtrusive Effects of Outdoor Lighting. Note - "Curfewed hours" are taken to be those hours between 10pm and 7am on the following day										
Waste treatment											
RAD5	All concentrated animal use areas (eg sheds, pens, holding yards, stables, kennels) are provided with site drainage to ensure all stormwater run-off is directed to suitable detention basins, filtration or other treatment areas.										
Site cover											
RAD6	The maximum total roofed area of all buildings (including domestic outbuildings) on a lot does not exceed: <table border="1" data-bbox="256 730 1466 1032"> <thead> <tr> <th>Lot size</th> <th>Maximum roofed area</th> </tr> </thead> <tbody> <tr> <td>Less than 1500m²</td> <td>50% of the lot</td> </tr> <tr> <td>1500m² to 3000m²</td> <td>750m²</td> </tr> <tr> <td>Greater than 3000m² to 6000m²</td> <td>25% of the lot</td> </tr> <tr> <td>Greater than 6000m²</td> <td>1500m²</td> </tr> </tbody> </table> <p>Note - For building work associated with a dwelling house, this is an alternative provision to the QDC, part MP1.2, A3 and is a concurrence agency issue.</p>	Lot size	Maximum roofed area	Less than 1500m ²	50% of the lot	1500m ² to 3000m ²	750m ²	Greater than 3000m ² to 6000m ²	25% of the lot	Greater than 6000m ²	1500m ²
Lot size	Maximum roofed area										
Less than 1500m ²	50% of the lot										
1500m ² to 3000m ²	750m ²										
Greater than 3000m ² to 6000m ²	25% of the lot										
Greater than 6000m ²	1500m ²										
Rural uses setbacks											
RAD7	The following uses and associated buildings and structures are setback from all property boundaries as follows: <ol style="list-style-type: none"> Animal husbandry⁽⁴⁾ (buildings only) - 10m Animal keeping⁽⁵⁾, excluding catteries and kennels - 20m Aquaculture⁽⁶⁾ involving ponds or water behind dams - 100m Aquaculture⁽⁶⁾ involving the housing of tanks - 20m Cropping⁽¹⁹⁾ (buildings only) - 10m Intensive horticulture⁽⁴⁰⁾ - 10m Permanent plantations⁽⁵⁹⁾ - 25m Rural Industry⁽⁷⁰⁾ - 20m Wholesale nursery⁽⁸⁹⁾ - 10m Veterinary services⁽⁸⁷⁾ - 10m. 										
Car parking (for other than Non-resident workforce accommodation and Rural workers' accommodation)											
RAD8	On-site car parking is provided in accordance with Schedule 7 - Car parking.										

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Hazardous Chemicals	
RAD9	All development that involves the storage or handling of hazardous chemicals listed in Schedule 9, Development involving hazardous chemicals, Table 9.0.1 Quantity thresholds for hazardous chemicals stored as accepted development subject to requirements complies with Table 9.0.3 Hazardous chemicals.
RAD10	Development does not involve the storage or handling of hazardous chemicals listed in Schedule 9, Development involving hazardous chemicals, Table 9.0.2 Hazardous chemicals assessable thresholds.
Clearing of habitat trees where not located in the Environmental areas overlay map	
RAD11	<p>Development does not result in the damaging, destroyed or clearing of a habitat tree. This does not apply to:</p> <ol style="list-style-type: none"> Clearing of a habitat tree located within an approved development footprint; Clearing of a habitat tree within 10m from a lawfully established building reasonably necessary for emergency access or immediately required in response to an accident or emergency; Clearing of a habitat tree reasonably necessary to remove or reduce the risk vegetation poses to serious personal injury or damage to infrastructure; Clearing of a habitat tree 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; Clearing of a habitat tree reasonably necessary for the purpose of maintenance or works within a registered easement for public infrastructure or drainage purposes; Clearing of a habitat tree in accordance with a bushfire management plan prepared by a suitably qualified person, submitted to and accepted by Council; Clearing of a habitat tree associated with removal of recognised weed species, maintaining existing open pastures and cropping land, windbreaks, lawns or created gardens; Native forest practice where accepted development under Part 1, 1.7.7 Accepted development. <p>Editor's note - A native tree measuring greater than 80cm in diameter when measured at 1.3m from the ground is recognised as a 'habitat tree'. For further information on habitat trees, refer to Planning scheme policy – Environmental areas and corridors. Information detailing how this measurement is undertaken is provided in Australian Standard AS 4970 2009 Protection of Trees on Development Sites - Appendix A.</p>
Works requirements	
Utilities	
RAD12	Development is provided with an appropriate level of service and infrastructure in accordance with Planning scheme policy - Integrated design (Appendix A).
Access	

RAD13	<p>The frontage road is fully constructed to Council's standards.</p> <p>Note - Roads are considered to be constructed in accordance with Council standards when there is sufficient pavement width, geometry and depth to comply with the requirements of Planning scheme policy - Integrated design and Planning scheme policy - Operational works inspection, maintenance and bonding procedures. Testing of the existing pavement may be required to confirm whether the existing works meet the standards in Planning scheme policy - Integrated design and Planning scheme policy - Operational works inspection, maintenance and bonding procedures.</p> <p>Note - Frontage roads include streets where no direct lot access is provided.</p>
RAD14	<p>Any new or changes to existing crossovers and driveways are designed, located and constructed in accordance with:</p> <ul style="list-style-type: none"> a. where for a Council-controlled road and associated with a Dwelling house: <ul style="list-style-type: none"> i. Planning scheme policy - Integrated design; b. where for a Council-controlled road and not associated with a Dwelling house: <ul style="list-style-type: none"> i. AS/NZS2890.1 Parking facilities Part 1: Off street car parking; ii. AS/NZS 2890.2 - Parking facilities Part 2: Off-street commercial vehicle facilities; iii. Planning scheme policy - Integrated design; iv. Schedule 8 - Service vehicle requirements; c. where for a State-Controlled road, the Safe Intersection Sight Distance requirements in Austroads and the appropriate IPWEAQ standard drawings, or a copy of a Transport Infrastructure Act 1994, section 62 approval.
RAD15	<p>Any new or changes to existing internal driveways and access ways are designed and constructed in accordance with AS/NZS 2890.1 Parking Facilities Part 1: Off street car parking and the relevant standards in Planning scheme policy - Integrated design.</p>
RAD16	<p>Access driveways, manoeuvring areas and loading facilities are sealed and provide for service vehicles listed in Schedule 8 - Service vehicle requirements for the relevant use. The on-site manoeuvring is to be in accordance with Schedule 8 - Service vehicle requirements.</p>

Stormwater

RAD17	<p>Any new or changes to existing stormwater run-off from the site is conveyed to a point of lawful discharge without causing actionable nuisance to any person, property or premises in accordance with Planning scheme policy – Integrated design.</p> <p>Note - A watercourse as defined in the Water Act may be accepted as a lawful point of discharge providing the drainage discharge from the site does not increase the downstream flood levels during events up to and including the 1% AEP storm. An afflux of +20mm may be accepted on Council controlled land and road infrastructure. No worsening is ensured when stormwater is discharged into a catchment that includes State Transport Infrastructure.</p>
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<p>RAD18</p>	<p>Development incorporates a 'deemed to comply solution' to manage stormwater quality where the development:</p> <ul style="list-style-type: none"> a. involves a land area of 2500m² or greater; and b. will result in: <ul style="list-style-type: none"> i. 6 or more dwellings; or ii. an impervious area greater than 25% of the net developable area. <p>Note - The deemed to comply solution is to be designed, constructed, established and maintained in accordance with the requirements of Water by Design 'Deemed to Comply Solutions - Stormwater Quality Management for South East Queensland' and Planning scheme policy - Integrated design.</p>								
<p>RAD19</p>	<p>Development ensures that surface flows entering the premises from adjacent properties are not blocked, diverted or concentrated.</p> <p>Note - A report from a suitably qualified Registered Professional Engineer Queensland may be required certifying that the development does not increase the potential for significant adverse impacts on an upstream, downstream or surrounding premises.</p>								
<p>RAD20</p>	<p>Development ensures that works (e.g. fences and walls) do not block, divert or concentrate the flow of stormwater to adjoining properties.</p> <p>Note - A report from a suitably qualified Registered Professional Engineer Queensland may be required certifying that the development does not increase the potential for significant adverse impacts on an upstream, downstream or surrounding premises.</p>								
<p>RAD21</p>	<p>Stormwater drainage infrastructure (excluding detention and bio-retention systems) through or within private land is protected by easements in favour of Council (at no cost to Council). Minimum easement widths are as follows:</p> <table border="1" data-bbox="263 1279 1469 1720"> <thead> <tr> <th>Pipe Diameter</th> <th>Minimum Easement Width (excluding access requirements)</th> </tr> </thead> <tbody> <tr> <td>Stormwater Pipe up to 825mm diameter</td> <td>3.0m</td> </tr> <tr> <td>Stormwater Pipe up to 825mm diameter with Sewer pipe up to 225m diameter</td> <td>4.0m</td> </tr> <tr> <td>Stormwater pipe greater than 825mm diameter</td> <td>Easement boundary to be 1m clear of the outside wall of the pipe and clear of all pits.</td> </tr> </tbody> </table> <p>Note - Additional easement width may be required in certain circumstances in order to facilitate maintenance access to the stormwater system.</p> <p>Note - Refer to Planning scheme policy - Integrated design (Appendix C) for easement requirements over open channels.</p>	Pipe Diameter	Minimum Easement Width (excluding access requirements)	Stormwater Pipe up to 825mm diameter	3.0m	Stormwater Pipe up to 825mm diameter with Sewer pipe up to 225m diameter	4.0m	Stormwater pipe greater than 825mm diameter	Easement boundary to be 1m clear of the outside wall of the pipe and clear of all pits.
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Stormwater Pipe up to 825mm diameter with Sewer pipe up to 225m diameter	4.0m								
Stormwater pipe greater than 825mm diameter	Easement boundary to be 1m clear of the outside wall of the pipe and clear of all pits.								

Site works and construction management

<p>RAD22</p>	<p>The site and any existing structures are to be maintained in a tidy and safe condition.</p>
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RAD23	<p>Development does not cause erosion or allow sediment to leave the site.</p> <p>Note - The International Erosion Control Association (Australasia) Best Practice Erosion and Sediment Control provides guidance on strategies and techniques for managing erosion and sedimentation.</p>
RAD24	No dust emissions extend beyond the boundaries of the site during soil disturbances and construction works.
RAD25	<p>Existing street trees are protected and not damaged during works.</p> <p>Note - Where development occurs in the tree protection zone, measures and techniques as detailed in Australian Standard AS 4970 Protection of trees on developments sites are adopted and implemented.</p>
RAD26	Any damage to Council land or infrastructure is repaired or replaced with the same materials, prior to plan sealing, or final building classification.
RAD27	Construction traffic including contractor car parking is controlled in accordance with a traffic management plan, prepared in accordance with the Manual of Uniform Traffic Control Devices (MUTCD) to ensure all traffic movements to and from the site are safe.
RAD28	Any material dropped, deposited or spilled on the road(s) as a result of construction processes associated with the site are to be cleaned at all times.
RAD29	<p>All native vegetation to be retained on-site is temporarily fenced or protected prior to and during development works.</p> <p>Note - No parking of vehicles or storage of machinery or goods is to occur in these areas during development works</p>
RAD30	<p>Disposal of materials is managed in one or more of the following ways:</p> <ol style="list-style-type: none"> all cleared vegetation, declared weeds, stumps, rubbish, car bodies, scrap metal and the like are removed and disposed of in a Council land fill facility; or all native vegetation with a diameter below 400mm is to be chipped and stored on-site. <p>Note - No burning of cleared vegetation is permitted.</p> <p>Note - The chipped vegetation must be stored in an approved location.</p>
RAD31	<p>All development works are carried out within the following times:</p> <ol style="list-style-type: none"> Monday to Saturday (other than public holidays) between 6:30am and 6:30pm on the same day; no work is to be carried out on Sundays or public holidays.

Earthworks

RAD32	Cut and fill batters, (other than batters to dams and water impoundments), have a finished slope no steeper than the following:
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	<ul style="list-style-type: none"> a. any cut batter is no steeper than 1V in 4H; b. any fill batter, (other than a compacted fill batter), is no steeper than 1V in 4H; c. any compacted fill batter is no steeper than 1V in 4H.
RAD33	All cut and fill batters are provided with appropriate scour, erosion protection and run-off control measures including catch drains at the top of batters and lined batter drains as necessary.
RAD34	<p>Stabilisation measures are provided, as necessary, to ensure long-term stability and low maintenance of steep slopes and batters.</p> <p>Note - Inspection and certification of steep slopes and batters may be required by a suitably qualified and experienced RPEQ.</p>
RAD35	All fill and excavation is contained on-site and is free draining.
RAD36	<p>Earthworks undertaken on the development site are shaped in a manner which does not:</p> <ul style="list-style-type: none"> a. prevent stormwater surface flow which, prior to commencement of the earthworks, passed onto the development site, from entering the land; or b. redirect stormwater surface flow away from existing flow paths; or c. divert stormwater surface flow onto adjacent land (other than a road) in a manner which: <ul style="list-style-type: none"> i. concentrates the flow; or ii. increases the flow rates of stormwater over the affected section of the adjacent land above the situation which existed prior to the diversion; or iii. causes actionable nuisance to any person, property or premises.
RAD37	<p>All fill placed on-site is:</p> <ul style="list-style-type: none"> a. limited to that necessary for the approved use; b. clean and uncontaminated (i.e. no building waste, concrete, green waste, actual acid sulfate soils, potential acid sulfate soils or contaminated material etc.).
RAD38	<p>The site is prepared and the fill placed on-site in accordance with Australian Standard AS3798.</p> <p>Note - The fill is to be inspected and tested in accordance with Planning scheme policy - Operational works inspection, maintenance and bonding procedures</p>
RAD39	<p>No filling or excavation is undertaken in an easement issued in favour of Council or a public sector entity.</p> <p>Note - Public sector entity is defined in Schedule 2 of the Act.</p>
RAD40	<p>Filling or excavation that would result in any of the following is not carried out on site:</p> <ul style="list-style-type: none"> a. a reduction in cover over any Council or public sector entity infrastructure to less than 600mm;

	<p>b. an increase in finished surface grade over, or within 1.5m on each side of, the Council or public sector entity infrastructure above that which existed prior to the filling or excavation works being undertaken;</p> <p>c. prevent reasonable access to Council or public sector entity maintained infrastructure or any drainage feature on, or adjacent to the site for monitoring, maintenance or replacement purposes.</p> <p>Note - Public sector entity is defined in Schedule 2 of the Act.</p> <p>Note - All building work covered by QDC MP1.4 is excluded from this provision.</p>
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Fire services

Note - The provisions under this heading only apply if:

- a. the development is for, or incorporates:
- i. reconfiguring a lot for a community title scheme creating 1 or more vacant lots; or
 - ii. material change of use for 2 or more sole occupancy units on the same lot, or within the same community titles scheme; or
 - iii. material change of use for a Tourist park⁽⁸⁴⁾ with accommodation in the form of caravans or tents; or
 - iv. material change of use for outdoor sales⁽⁵⁴⁾, outdoor processing or outdoor storage where involving combustible materials.

AND

- b. none of the following exceptions apply:
- i. the distributor-retailer for the area has indicated, in its netserv plan, that the premises will not be served by that entity's reticulated water supply; or
 - ii. every part of the development site is within 60m walking distance of an existing fire hydrant on the distributor-retailer's reticulated water supply network, measured around all obstructions, either on or adjacent to the site.

Note - The provisions under this heading do not apply to buildings that are required by the Building Code of Australia to have a fire hydrant system complying with Australian Standard AS 2419.1 (2005) – Fire Hydrant Installations or other fire fighting facilities which provide equivalent protection.

RAD41	<p>External fire hydrant facilities are provided on site to the standard prescribed under the relevant parts of <i>Australian Standard AS 2419.1 (2005) – Fire Hydrant Installations</i>.</p> <p>Note - For this requirement for accepted development, the following are the relevant parts of AS 2419.1 (2005):</p> <ol style="list-style-type: none"> a. in regard to the form of any fire hydrant - Part 8.5 and Part 3.2.2.1, with the exception that for Tourist parks⁽⁸⁴⁾ or development comprised solely of dwellings and their associated outbuildings, single outlet above-ground hydrants or suitably signposted in-ground hydrants would be an acceptable alternative; b. in regard to the general locational requirements for fire hydrants - Part 3.2.2.2 (a), (e), (f), (g) and (h) as well as Appendix B of AS 2419.1 (2005); c. in regard to the proximity of hydrants to buildings and other facilities - Part 3.2.2.2 (b), (c) and (d), with the exception that: <ol style="list-style-type: none"> i. - for dwellings and their associated outbuildings, hydrant coverage need only extend to the roof and external walls of those buildings;
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	<ul style="list-style-type: none"> ii. - for caravans and tents, hydrant coverage need only extend to the roof of those tents and caravans; iii. - for outdoor sales⁽⁵⁴⁾, processing or storage facilities, hydrant coverage is required across the entire area of the outdoor sales⁽⁵⁴⁾, outdoor processing and outdoor storage facilities; and d. in regard to fire hydrant accessibility and clearance requirements - Part 3.5 and where applicable, Part 3.6.
RAD42	<p>A continuous path of travel having the following characteristics is provided between the vehicle access point to the site and each external fire hydrant and hydrant booster point on the land:</p> <ul style="list-style-type: none"> a. an unobstructed width of no less than 3.5m; b. an unobstructed height of no less than 4.8m; c. constructed to be readily traversed by a 17 tonne HRV fire brigade pumping appliance; d. an area for a fire brigade pumping appliance to stand within 20m of each fire hydrant and 8m of each hydrant booster point.
RAD43	<p>On-site fire hydrant facilities are maintained in effective operating order in a manner prescribed in <i>Australian Standard AS1851 (2012) – Routine service of fire protection systems and equipment</i>.</p>
RAD44	<p>For development that contains on-site fire hydrants external to buildings:</p> <ul style="list-style-type: none"> a. those external hydrants can be seen from the vehicular entry point to the site; or b. a sign identifying the following is provided at the vehicular entry point to the site: <ul style="list-style-type: none"> i. the overall layout of the development (to scale); ii. internal road names (where used); iii. all communal facilities (where provided); iv. the reception area and on-site manager's office (where provided); v. external hydrants and hydrant booster points; vi. physical constraints within the internal roadway system which would restrict access by fire fighting appliances to external hydrants and hydrant booster points. <p>Note - The sign prescribed above, and the graphics used are to be:</p> <ul style="list-style-type: none"> a. in a form; b. of a size; c. illuminated to a level; <p>which allows the information on the sign to be readily understood, at all times, by a person in a fire fighting appliance up to 4.5m from the sign.</p>
RAD45	<p>For development that contains on-site fire hydrants external to buildings, those hydrants are identified by way of marker posts and raised reflective pavements markers in the manner prescribed in the technical note <i>Fire hydrant indication system</i> produced by the Queensland Department of Transport and Main Roads.</p> <p>Note - Technical note Fire hydrant indication system is available on the website of the Queensland Department of Transport and Main Roads.</p>

Use specific requirements									
Dwelling house⁽²²⁾									
RAD46	Residential density does not exceed one dwelling house ⁽²²⁾ per lot.								
RAD47	<p>Building height for a dwelling house⁽²²⁾ does not exceed:</p> <p>a. that on Overlay map - Building heights for a dwelling house⁽²²⁾; or</p> <p>b. for domestic outbuildings and free standing carports and garages, building height does not exceed 4.5m.</p>								
RAD48	<p>Setbacks (including domestic outbuildings) comply with the following:</p> <p>a. Road boundary - 6m</p> <p>b. Side and rear boundary:</p> <table border="1" data-bbox="327 772 1465 1043"> <thead> <tr> <th>Height of wall</th> <th>Minimum setback from side or rear boundary</th> </tr> </thead> <tbody> <tr> <td>3m or less</td> <td>1.5m</td> </tr> <tr> <td>Greater than 3m to 4.5m</td> <td>2m</td> </tr> <tr> <td>Greater than 4.5m</td> <td>4m</td> </tr> </tbody> </table> <p>Note - For building work associated with a dwelling house, this is an alternative provision to the QDC, part MP1.2, A1 (a), (b) and (c), A2 (a), (b) and (d) and is a concurrence agency issue.</p> <p>Note - This provision does not apply where a development footprint exists for a lot.</p>	Height of wall	Minimum setback from side or rear boundary	3m or less	1.5m	Greater than 3m to 4.5m	2m	Greater than 4.5m	4m
Height of wall	Minimum setback from side or rear boundary								
3m or less	1.5m								
Greater than 3m to 4.5m	2m								
Greater than 4.5m	4m								
RAD49	Where a development footprint has been identified as part of a development approval for reconfiguring a lot, all development occurs within the development footprint.								
RAD50	<p>For Lake Samsonvale or Lake Kurwongbah, a setback of no less than 400m is maintained between the following nominated full supply levels to those lakes and any dwelling house⁽²²⁾ or outbuilding on the land:-</p> <p>a. RL 39.63m AHD being the full supply level of Lake Samsonvale; and</p> <p>b. RL 21m AHD being the full supply level of Lake Kurwongbah.</p> <p>OR</p> <p>No part of any dwelling house⁽²²⁾ or outbuilding on Lot 5 RP111651 or Lot RP111653 is any closer than 80m to the full supply level of RL 21m AHD to Lake Kurwongbah.</p> <p>Editor's Note - The 400m buffer around Lake Samsonvale and Lake Kurwongbah is shown on Overlay map - Infrastructure buffers.</p>								
RAD51	Waste/effluent disposal systems are located at least:-								

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	<p>a. 80m from the full supply level of RL 21m AHD to Lake Kurwongbah on Lot 5 RP111651 or Lot 10 RP111653; and</p> <p>b. 400m from RL 39.63m AHD being the full supply level of Lake Samsonvale and RL 21m AHD being the full supply level to Lake Kurwongbah.</p> <p>Editor's Note - The 400m buffer around Lake Samsonvale and Lake Kurwongbah is shown on Overlay map - Infrastructure buffers.</p>
Dwelling house⁽²²⁾ where including a secondary dwelling	
RAD52	The maximum GFA for a secondary dwelling is 100m ² .
RAD53	The secondary dwelling obtains access from the existing driveway giving access to the dwelling house ⁽²²⁾ .
RAD54	<p>The secondary dwelling is located within 50m of the dwelling house⁽²²⁾.</p> <p>Note - The requirement to locate a Secondary dwelling within 50m of the primary dwelling is measured from the outermost projection of the primary dwelling (being the main house, excluding domestic outbuildings) to the outermost projection of the Secondary dwelling. The entire Secondary dwelling does not need to be contained within the specified distance.</p>
Home based business⁽³⁵⁾	
RAD55	The home based business(s) ⁽³⁵⁾ , including any storage, are fully contained within a dwelling or on-site structure.
RAD56	<p>Up to 2 additional non-resident, either employees or customers, are permitted on the site at any one time, except where involving the use of heavy vehicles, where no employees are permitted.</p> <p>Note - This provision does not apply to Bed and Breakfast or farmstay business.</p>
RAD57	<p>The maximum number of heavy vehicles, trailer and motor vehicles stored on-site is as follows:</p> <p>a. 1 heavy vehicle;</p> <p>b. 1 trailer;</p> <p>c. Up to 3 motor vehicles.</p> <p>Note - The car parking provision associated with the dwelling house⁽²²⁾ is in addition to this requirement.</p>
RAD58	Vehicle parking areas, vehicle standing areas and outdoor storage areas of plant and equipment are screened from adjoining lots by either planting, wall(s), fence(s) or a combination at least 1.8m in height along the length of those areas.
RAD59	Heavy vehicle storage buildings, parking areas and standing areas are setback a minimum of 30m from all property boundaries.
RAD60	<p>Hours of operation to be restricted to 8.00am to 6.00pm Monday to Saturday and are not open to the public on Sunday's, Christmas Day, Good Friday and Anzac Day, except for:</p> <p>a. bed and breakfast or farm stay business which may operate on a 24 hour basis,</p>

	<p>b. office or administrative activities that do not generate non-residents visiting the site such as book keeping and computer work,</p> <p>c. starting and warming up of heavy vehicles, which can commence at 7.00am.</p>
RAD61	<p>The home based business(s)⁽³⁵⁾ do not generate noise that is audible from the boundary of the site.</p> <p>Note - Guidance as acceptable noise is provided in the standards listed in the Environmental Protection (Noise) Policy 2008.</p> <p>Note - This provision does not apply to the use of heavy vehicles or motor vehicles.</p>
RAD62	<p>Activities associated with a use do not cause a nuisance by way of aerosols, fumes, light, noise, odour, particles or smoke.</p> <p>Note - Nuisance is defined in the Environmental Protection Act 1994.</p>
RAD63	<p>The home based business⁽³⁵⁾ does not involve vehicle servicing or major repairs, including spray painting or panel beating.</p> <p>Note - Vehicle servicing excludes general maintenance of a vehicle such as, but not limited to, changing of tyres, engine fluids, filters, and parts such as batteries and plugs.</p>
RAD64	<p>The home based business⁽³⁵⁾ does not involve an environmentally relevant activity (ERA) as defined in the Environmental Protection Regulations 2008.</p>
RAD65	<p>Only goods grown, produced or manufactured on-site are sold from the site.</p>
RAD66	<p>Display of goods grown, produced or manufactured on-site are contained within a dwelling or on-site structure and the display of goods is not visible from the boundary of the site.</p>
RAD67	<p>For bed and breakfast and farmstays:</p> <p>a. overnight accommodation is provided in the dwelling house⁽²²⁾ of the accommodation operator;</p> <p>b. maximum 4 bedroom are provided for a maximum of 10 guests;</p> <p>c. meals are served to paying guests only;</p> <p>d. rooms do not contain food preparation facilities.</p>
Non-resident workforce accommodation⁽⁵²⁾	
RAD68	<p>No more than 1 Non-resident workforce accommodation⁽⁵²⁾ use per site.</p>
RAD69	<p>Non-resident workforce accommodation⁽⁵²⁾ is contained within 1 structure.</p>
RAD70	<p>Non-resident workforce accommodation⁽⁵²⁾ obtains access from the existing driveway giving access to the Dwelling house⁽²²⁾.</p>
RAD71	<p>Non-resident workforce accommodation⁽⁵²⁾ is located within 20m of the Dwelling house⁽²²⁾.</p>
RAD72	<p>For Lake Samsonvale or Lake Kurwongbah, a setback of no less than 400m is maintained between the following nominated full supply levels to those lakes and any Non-resident workforce accommodation⁽⁵²⁾ on the land:-</p>

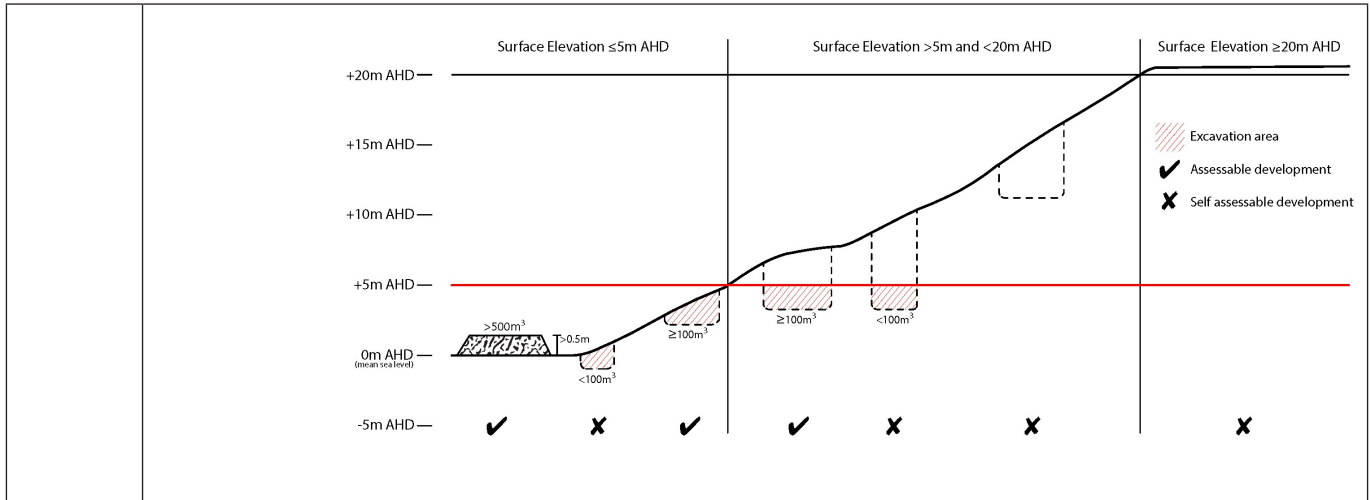
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	<p>a. RL 39.63m AHD being the full supply level to Lake Samsonvale; and</p> <p>b. RL 21m AHD being the full supply level to Lake Kurwongbah.</p> <p>OR</p> <p>No part of any Non-resident workforce accommodation⁽⁵²⁾ on Lot 5 RP111651 or Lot 10 RP111653 is any closer than 80m to the full supply level of RL 21m AHD to Lake Kurwongbah.</p> <p>Editor's note - The 400m buffer around Lake Samsonvale and Lake Kurwongbah is shown on Overlay map - Infrastructure buffers</p>
RAD73	<p>Waste/effluent disposal systems are located at least:-</p> <p>a. 80m from the full supply level of RL 21m AHD to Lake Kurwongbah on Lot 5 RP111651 or Lot 10 RP111653; and</p> <p>b. 400m from RL 39.63m AHD being the full supply level to Lake Samsonvale and RL 21m AHD being the full supply level to Lake Kurwongbah.</p> <p>Editor's note - The 400m buffer around Lake Samsonvale and Lake Kurwongbah is shown on Overlay map - Infrastructure buffers</p>
Permanent plantation⁽⁵⁹⁾	
RAD74	Planting only comprises native species naturally occurring in the area.
Retail and commercial activities and Community activities groups	
RAD75	Development provides car parking spaces in accordance with Schedule 7 - Car parking; or retains the number of car parking spaces currently provided on the site (except where reduction is required for the provision of cycle parking), whichever is the greater.
RAD76	Car parking spaces (other than existing spaces) are not located in front of the main building line.
RAD77	<p>Development does not result in a reduction in bin storage areas.</p> <p>Note - Bins and bin storage areas are provided, designed and managed in accordance with Planning scheme policy – Waste.</p>
RAD78	Development does not result in a reduction in the area (m ²) or standard of established landscaping on-site.
Roadside stall⁽⁶⁸⁾	
Note - These provisions do not apply to a home based business ⁽³⁵⁾ .	
RAD79	No more than one roadside stall ⁽⁶⁸⁾ per property.
RAD80	Goods offered for sale are only goods grown, produced or manufactured on the site
RAD81	The maximum area associated with a roadside stall ⁽⁶⁸⁾ , including any larger separate items displayed for sale, does not exceed 20m ² .
RAD82	Car parking for 2 vehicles is provided off the road carriage way and on the property.
RAD83	The roadside stall ⁽⁶⁸⁾ is located no closer than 100m from an intersection.

Rural workers' accommodation⁽⁷¹⁾	
RAD84	No more than 1 Rural workers' accommodation ⁽⁷¹⁾ per site.
RAD85	Rural workers' accommodation ⁽⁷¹⁾ is contained within 1 structure.
RAD86	Rural workers' accommodation obtains access from the existing driveway giving access to the dwelling house ⁽²²⁾ .
RAD87	Rural workers' accommodation ⁽⁷¹⁾ are located within 20m of the dwelling house ⁽²²⁾ .
RAD88	<p>For Lake Samsonvale or Lake Kurwongbah, a setback of no less than 400m is maintained between the following nominated full supply levels to those lakes and Rural workers' accommodation on the land:-</p> <ul style="list-style-type: none"> a. RL 39.63m AHD being the full supply level to Lake Samsonvale; and b. RL 21m AHD being the full supply level to Lake Kurwongbah. <p>OR</p> <p>No part of any Rural workers' accommodation⁽⁷¹⁾ on Lot 5 RP111651 or Lot 10 RP111653 is any closer than 80m to the full supply level of RL 21m AHD to Lake Kurwongbah.</p> <p>Editor's note - The 400m buffer around Lake Samsonvale and Lake Kurwongbah is shown on Overlay map - Infrastructure buffers</p>
RAD89	<p>Waste/effluent disposal systems are located at least:-</p> <ul style="list-style-type: none"> a. 80m from the full supply level of RL 21m AHD to Lake Kurwongbah on Lot 5 RP111651 or Lot 10 RP111653; and b. 400m from RL 39.63m AHD being the full supply level to Lake Samsonvale and RL 21m AHD being the full supply level to Lake Kurwongbah. <p>Editor's note - The 400m buffer around Lake Samsonvale and Lake Kurwongbah is shown on Overlay map - Infrastructure buffers</p>
Sales office⁽⁷²⁾	
RAD90	A sales office ⁽⁷²⁾ is located on the site for no longer than 2 years.
Telecommunications facility⁽⁸¹⁾	
<p>Editor's note - In accordance with the Federal legislation Telecommunications facilities⁽⁸¹⁾ must be constructed and operated in a manner that will not cause human exposure to electromagnetic radiation beyond the limits outlined in the Radiocommunications (Electromagnetic Radiation - Human Exposure) Standard 2003 and Radio Protection Standard for Maximum Exposure Levels to Radiofrequency Fields - 3Khz to 300Ghz.</p>	
RAD91	A minimum area of 45m ² is available to allow for additional equipment shelters and associated structures for the purpose of co-locating on the proposed facility.
RAD92	The development results in no net reduction in the minimum quantity and standard of landscaping, private or communal open space or car parking spaces required under the planning scheme or under an existing development approval.
RAD93	Equipment shelters and associated structures are located:

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	<ul style="list-style-type: none"> a. directly beside the existing equipment shelter and associated structures; b. behind the main building line; c. further away from the frontage than the existing equipment shelter and associated structures; d. a minimum of 10m from side and rear boundaries, except where in the Industry and Extractive industry zones, the minimum side and rear setback is 3m.
RAD94	Equipment shelters and other associated structures are either the same type of colour or material to match the surrounding locality.
RAD95	The facility is enclosed by security fencing or by other means to ensure public access is prohibited.
RAD96	<p>A minimum 3m wide strip of dense planting is provided around the perimeter of the fenced area, between the development and street frontage and adjoining uses.</p> <p>Note - Landscaping is provided in accordance with Planning scheme policy - Integrated design.</p> <p>Note - Council may require a detailed landscaping plan, prepared by a suitably qualified person to ensure compliance with Planning scheme policy - Integrated design.</p>
RAD97	All equipment comprising the telecommunications facility ⁽⁸¹⁾ which produces audible or non-audible sound is housed within a fully enclosed building incorporating sound control measures sufficient to ensure no noise from this equipment can be heard, or felt at the site boundary.
<p>Values and constraints requirements</p> <p>Note - The relevant values and constraints requirements 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.</p>	
<p>Acid sulfate soils - (refer Overlay map - Acid sulfate soils to determine if the following requirements apply)</p> <p>Note - Planning scheme policy - Acid sulfate soils provides guidance for requirements for accepted development that has the potential to disturb acid sulfate soils i.e. development involving filling or excavation works below the thresholds of 100m³ and 500m³ respectively.</p>	
RAD98	<p>Development does not involve:</p> <ul style="list-style-type: none"> a. excavation or otherwise removing of more than 100m³ of soil or sediment where below 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 AHD.



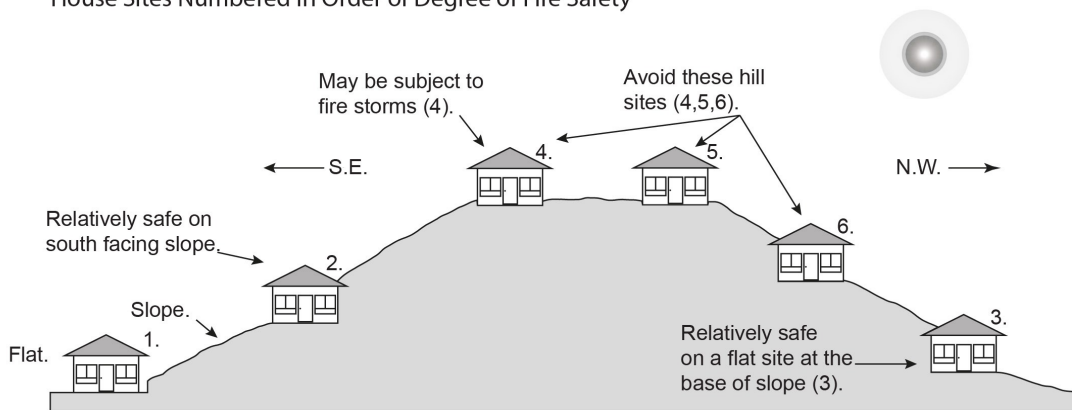
Bushfire hazard (refer Overlay map - Bushfire hazard to determine if the following requirements apply)

Note - For the purposes of section 12 of the Building Regulation 2006, land identified as very high potential bushfire intensity, high potential bushfire intensity, medium potential bushfire intensity or potential impact buffer on the Bushfire hazard overlay map is the 'designated bushfire hazard area'. AS 3959-2009 Construction of buildings in bushfire hazard areas applies within these areas.

RAD99

- a. Building and structures are:
 - i. not located on a ridgeline
 - ii. not located on land with a slope greater than 15% (see Overlay map – Landslide hazard)
- b. Dwellings are located on east to south facing slopes.

House Sites Numbered in Order of Degree of Fire Safety



(1 being the safest , 6 being the most hazardous.)
 From Bushfire Prone Areas: Siting and Design of Residential Buildings (1997), Queensland Department of Local Government and Planning, and Queensland Fire & Rescue Service.

RAD100

Buildings and structures have contained within the site:

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	<ul style="list-style-type: none"> a. 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; b. 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; c. 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%: <ul style="list-style-type: none"> i. to, and around, each building and other roofed structure; and ii. to each fire fighting water supply extraction point. <p>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.</p>
RAD101	<p>The length of driveway:</p> <ul style="list-style-type: none"> a. to a public 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.
RAD102	<ul style="list-style-type: none"> a. A reticulated water supply is provided by a distributor retailer for the area or, 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 provided and located within 10m of buildings and structures. b. Where a swimming pool is the nominated on-site fire fighting water storage source, vehicle access to within 3m of that water storage source is provided. c. Where a tank is the nominated on-site fire fighting water storage source, it includes: <ul style="list-style-type: none"> i. a hardstand area allowing medium rigid vehicle (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 20mm (minimum) to accommodate suction lines.
RAD103	Development does not involve the manufacture or storage of hazardous chemicals.
Environmental areas (refer Overlay map - Environmental areas to determine if the following requirements apply)	

Note - The following are excluded from the native 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 requirement 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.

Editors' Note - When clearing native vegetation within a MSES area, you may still require approval from the State government.

RAD104

Where no suitable land cleared of native vegetation exists, clearing of native vegetation in High Value Area or Value Offset Area is for the purpose of a new dwelling house⁽²²⁾ and all associated facilities* or an extension to an existing dwelling house⁽²²⁾ only, and comprises an area no greater than 1500m².

Note - *All associated facilities includes: on-site wastewater treatment, all areas of disturbance, on-site parking, access and manoeuvring areas.

Editor's note - See in heading above for other uses excluded from native vegetation clearing requirements.

Editor's note - Where vegetation clearance is accepted development subject to requirements, care should be undertaken to avoid adverse impacts on koalas, koala habitat values and habitat connectivity and to encourage existing koala usage of the site. Measures to minimise impacts include:

- i. co-locating all associated activities, infrastructure and access strips;
- ii. be the least valued area of koala habitat on the site;
- iii. minimise the footprint of the development envelope area;
- iv. minimise edge effects to areas external to the development envelope;
- v. location and design consideration to ensure koala safety and movement in accordance with the Koala-sensitive Design Guideline and Planning scheme policy – Environmental areas;
- vi. sufficient area between the development and koala habitat trees to achieve their long-term viability.

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	<p>Editor's note - Where vegetation clearing is accepted development subject to requirements, consideration should be given to avoid clearing habitat trees. Habitat trees may contain structural hollows where animals live, breed and shelter. The provision of nest boxes or salvaging of hollows will provide compensatory roosting and nesting opportunities for local wildlife including sugar gliders, possums and owls. For further information see Planning scheme policy – Environmental areas.</p>
RAD105	<p>No clearing of native vegetation is to occur within the Value Offset Area MLES - Waterway buffer or Value Offset Area MLES - Wetland buffer.</p> <p>This does not apply to the following:</p> <ol style="list-style-type: none"> 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.
<p>Extractive resources separation area (refer Overlay map - Extractive resources (separation area) to determine if the following requirements apply)</p>	
RAD106	<p>Development does not result in more than one dwelling house⁽²²⁾ per lot within separation areas.</p>
RAD107	<p>Development within the separation area does not include the following uses:</p> <ol style="list-style-type: none"> 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⁾.
RAD108	<p>All habitable rooms within the separation area are:</p> <ol style="list-style-type: none"> 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.

RAD109	Private open space areas are separated from the resource processing area by buildings or a 1.8m high solid structure.
Extractive resources transport routes (refer Overlay map - Extractive resources (transport route and buffer) to determine if the following requirements apply)	
RAD110	<p>The following uses are not located within the 100m wide transport route buffer:</p> <ul style="list-style-type: none"> a. Caretaker's accommodation⁽¹⁰⁾, except where located in the Extractive industry zone; 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⁾.
RAD111	Except for an existing vacant lot, development does not create a new vehicle access point onto an Extractive Industry Zone transportation route.
RAD112	A vehicle access point is located, designed and constructed in accordance with the Planning scheme policy - Integrated design.
Heritage and landscape character (refer Overlay map - Heritage and landscape character to determine if the following requirements apply)	
<p>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.</p>	
RAD113	<p>Development is for the preservation, maintenance, repair and restoration of the site, object or building.</p> <p>This does not apply to Listed item 99, in Schedule 1 - List of sites, objects and buildings of significant historical and cultural value of Planning scheme policy - Heritage and landscape character.</p> <p>Note - Preservation, maintenance, repair and restoration are defined in Schedule 1 - Definitions</p>
RAD114	<p>A cultural heritage conservation management plan is prepared in accordance with Planning scheme policy – Heritage and landscape character and submitted to Council prior to the commencement of any preservation, maintenance, repair and restoration works. Any preservation, maintenance, repair and restoration works are in accordance with the Council approved cultural heritage conservation management plan.</p> <p>This does not apply to Listed item 99 in Schedule 1 - List of sites, objects and buildings of significant historical and cultural value of Planning scheme policy - Heritage and landscape character.</p>

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RAD115	Development does not result in the removal of or damage to any significant tree identified on Overlay map – Heritage and landscape character and listed in Appendix 2 of Planning scheme policy – Heritage and landscape character.
RAD116	<p>The following development does not occur within 20m of the base of any significant tree, identified on Overlay map – Heritage and landscape character and listed in Appendix 2 of Planning scheme policy – Heritage and landscape character:</p> <ol style="list-style-type: none"> construction of any building; laying of overhead or underground services; any sealing, paving, soil compaction; any alteration of more than 75mm to the ground surface prior to work commencing.
RAD117	Pruning of a significant tree occurs in accordance with Australian Standard AS 4373-2007 - Pruning of Amenity Trees.
Landslide hazard (refer Overlay map - Landslide hazard to determine if the following requirements apply)	
RAD118	<p>Development does not:</p> <ol style="list-style-type: none"> involve earthworks exceeding 50m³; 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.
RAD119	<p>Buildings, excluding domestic outbuildings:</p> <ol style="list-style-type: none"> are split-level, multiple-slab, pier or pole construction; are not single plane slab on ground.
RAD120	Development does not involve the manufacture, handling or storage of hazardous chemicals.
Infrastructure buffers (refer Overlay map - Infrastructure buffers to determine if the following requirements apply)	
RAD121	<p>Development does not include the following uses within a Wastewater treatment site buffer:</p> <ol style="list-style-type: none"> Caretaker's accommodation⁽¹⁰⁾; Community residence⁽¹⁶⁾; Dual occupancy⁽²¹⁾; Dwelling house⁽²²⁾; Dwelling unit⁽²³⁾; Hospital⁽³⁶⁾; Rooming accommodation⁽⁶⁹⁾; Multiple dwelling⁽⁴⁹⁾; Non-resident workforce accommodation⁽⁵²⁾; Relocatable home park⁽⁶²⁾; Residential care facility⁽⁶⁵⁾; Resort complex⁽⁶⁶⁾; Retirement facility⁽⁶⁷⁾; Rural workers' accommodation⁽⁷¹⁾; Short-term accommodation⁽⁷⁷⁾; Tourist park⁽⁸⁴⁾.
RAD122	Development within a Water supply buffer does not include the incineration or burial of waste and all other waste is collected and stored in weather proof, sealed waste receptacles, located in roofed and bunded areas, for disposal by a licenced contractor.

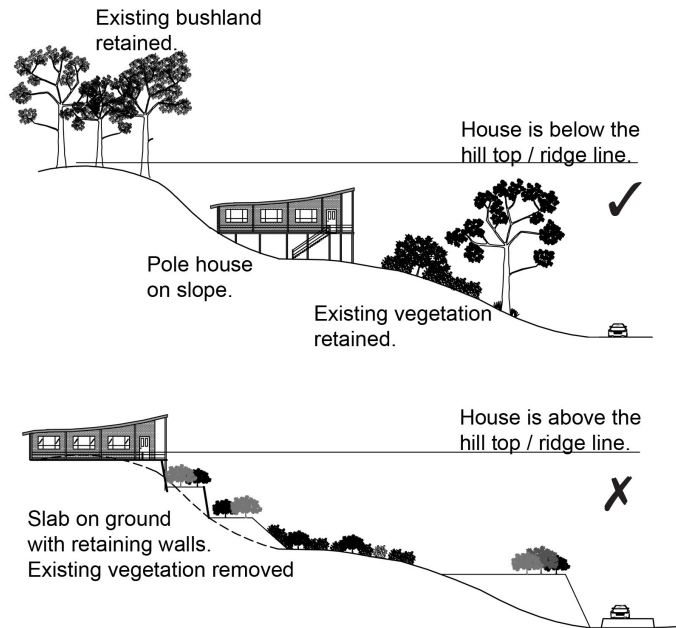
RAD123	Management, handling and storage of hazardous chemicals (including fuelling of vehicles) within a Water supply buffer, is undertaken in secured, climate controlled, weather proof, level and bunded enclosures.
RAD124	Development does not restrict access to Bulk water supply infrastructure of any type or size, having regard to (among other things): <ul style="list-style-type: none"> a. buildings or structures; b. gates and fences; c. storage of equipment or materials; d. landscaping or earthworks or stormwater or other infrastructure.
RAD125	On-site sewerage facilities in a Water supply buffer produce a minimum secondary treated effluent (90th percentile) and effluent application to ensure water quality is maintained and protected.
RAD126	On-site sewerage facilities in a Water supply buffer for a dwelling house ⁽²²⁾ include: <ul style="list-style-type: none"> a. emergency storage capacity of 1,000 litres and adequate buffering for shock loading/down time; b. a reserve land application area of 100% of the effluent irrigation design area; c. land application areas that are vegetated; d. the base of the land application field is at least 2 metres above the seasonal high water table/bedrock (whichever is the closest to the base of the application area); e. wastewater collection and storage systems must have capacity to accommodate full load at peak times.
RAD127	On-site sewerage facilities in a Water supply buffer for development other than a dwelling house include emergency storage capable of holding 3-6 hours peak flow of treated effluent in the event of emergencies/overload with provision for de-sludging.
RAD128	Development involving Permanent plantation ⁽⁵⁹⁾ within a Water supply buffer maintains a minimum of 30% ground cover at all times.
RAD129	Development does not involve the construction of any buildings or structures within a Bulk water supply infrastructure buffer.
RAD130	Development involving a major hazard facility or an Environmentally Relevant Activity (ERA) is setback 30m from a Bulk water supply infrastructure buffer.
RAD131	Development does not include the following uses located within a landfill site buffer: <ul style="list-style-type: none"> 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⁾.

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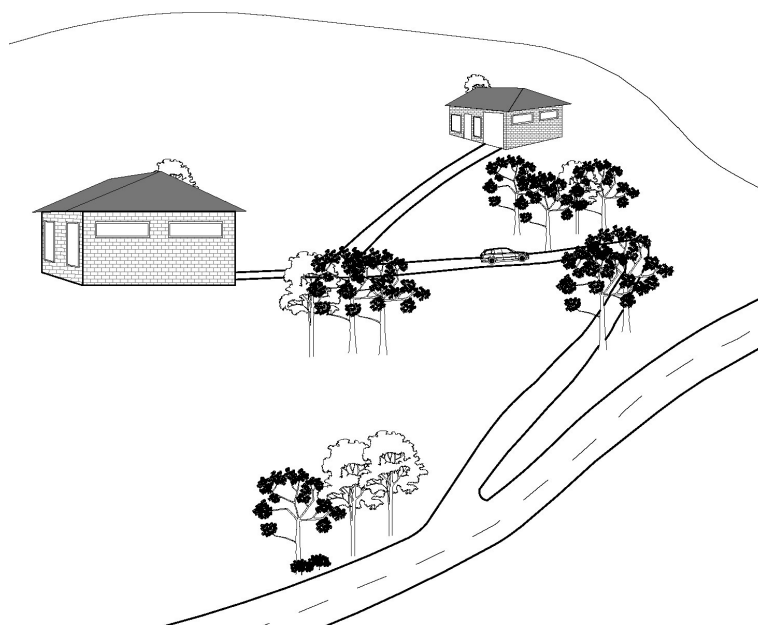
RAD132	<p>All habitable rooms located within an Electricity supply substation buffer are:</p> <ol style="list-style-type: none"> located a minimum of 10m from an electricity supply substation⁽⁸⁰⁾ ; and acoustically insulated to achieve the noise levels listed in Schedule 1, Acoustic Quality Objectives, Environmental Protection (Noise) Policy 2008.
RAD133	Development does not involve the construction of any buildings or structures containing habitable rooms or sensitive land uses within a High voltage electricity line buffer.
Overland flow path (refer Overlay map - Overland flow path to determine if the following requirements apply)	
RAD134	Development for a material change of use or building work does not involve the construction of a building or structure in an Overland flow path area.
RAD135	<p>Development for a material change of use or operational work does not impede the flow of flood waters through the premises or worsen flood flows to other premises.</p> <p>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.</p> <p>Note - Reporting to be prepared in accordance with Planning scheme policy – Flood hazard, Coastal hazard and Overland flow</p>
RAD136	Development for a material change of use or building work ensures that fencing in an overland flow path area is at least 50% permeable.
RAD137	Development for a material change of use or building work that involves a hazardous chemical ensures the hazardous chemicals is not located within an overland flow path area.
RAD138	Development for a material change of use or building work for a Park ⁽⁵⁷⁾ ensures that work is provided in accordance with the requirements set out in Appendix B of the Planning scheme policy - Integrated design.
Riparian and wetland setbacks (refer Overlay map - Riparian and wetland setback to determine if the following requirements apply)	
<p>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.</p>	
RAD139	<p>No development is to occur within:</p> <ol style="list-style-type: none"> 50m from top of bank for W1 waterway and drainage line 30m from top of bank for W2 waterway and drainage line 20m from top of bank for W3 waterway and drainage line 100m from the edge of a Ramsar wetland, 50m from all other wetlands. <p>Note - W1, W2 and W3 waterways and drainage lines, and wetlands are mapped on Schedule 2, Section 2.5 Overlay Maps – Riparian and wetland setbacks.</p> <p>Note - In some cases, the top of bank may not be easily defined, as such a hydraulic measurement may be applied instead. Moreton Bay Regional Council will provide further direction on how to determine and locate the setback boundary in these locations.</p> <p>Note - The minimum setback distance applies to the each side of waterway.</p>

Scenic amenity - Regionally significant (Hills) and Locally important (Coast) - (refer Overlay map - Scenic amenity to determine if the following requirements apply)

- RAD140** Where located in the Regionally significant (Hills) scenic amenity overlay, buildings and structures are not:
- a. located on a hill top or ridge line; and
 - b. all parts of the building and structure are located below the hill top or ridge line.



- RAD141** 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 1m in height.



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RAD142	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																																										
	<table border="1"> <tr> <td>G12 – Holly</td> <td>G53 – Banksia</td> <td>N44 – Bridge Grey</td> </tr> <tr> <td>G13 – Emerald</td> <td>G54 – Mist Green</td> <td>N45 – Koala Grey</td> </tr> <tr> <td>G14 – Moss Green</td> <td>G55 – Lichen</td> <td>N52 – Mid Grey</td> </tr> <tr> <td>G15 – Rainforest Green</td> <td>G56 – Sage Green</td> <td>N54 – Basalt</td> </tr> <tr> <td>G16 – Traffic Green</td> <td>G62 – Rivergum</td> <td>N55 – Lead Grey</td> </tr> <tr> <td>G17 – Mint Green</td> <td>G64 – Slate</td> <td>X54 – Brown</td> </tr> <tr> <td>G21 – Jade</td> <td>G65 – Ti Tree</td> <td>X61 – Wombat</td> </tr> <tr> <td>G22 – Serpentine</td> <td>N25 – Birch Grey</td> <td>X62 – Dark Earth</td> </tr> <tr> <td>G23 – Shamrock</td> <td>N32 – Green Grey</td> <td>X63 – Iron Bark</td> </tr> <tr> <td>G24 – Fern Green</td> <td>N33 – Lightbox Grey</td> <td>Y51 – Bronze Olive</td> </tr> <tr> <td>G25 – Olive</td> <td>N35 – Light Grey</td> <td>Y61 – Black Olive</td> </tr> <tr> <td>G34 – Avocado</td> <td>N41 – Oyster</td> <td>Y63 – Khaki</td> </tr> <tr> <td>G52 – Eucalyptus</td> <td>N42 – Storm Grey</td> <td>Y66 – Mudstone</td> </tr> <tr> <td></td> <td>N43 – Pipeline Grey</td> <td></td> </tr> </table>	G12 – Holly	G53 – Banksia	N44 – Bridge Grey	G13 – Emerald	G54 – Mist Green	N45 – Koala Grey	G14 – Moss Green	G55 – Lichen	N52 – Mid Grey	G15 – Rainforest Green	G56 – Sage Green	N54 – Basalt	G16 – Traffic Green	G62 – Rivergum	N55 – Lead Grey	G17 – Mint Green	G64 – Slate	X54 – Brown	G21 – Jade	G65 – Ti Tree	X61 – Wombat	G22 – Serpentine	N25 – Birch Grey	X62 – Dark Earth	G23 – Shamrock	N32 – Green Grey	X63 – Iron Bark	G24 – Fern Green	N33 – Lightbox Grey	Y51 – Bronze Olive	G25 – Olive	N35 – Light Grey	Y61 – Black Olive	G34 – Avocado	N41 – Oyster	Y63 – Khaki	G52 – Eucalyptus	N42 – Storm Grey	Y66 – Mudstone		N43 – Pipeline Grey	
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Note - In the Rural residential zone, netting, shade cloth and similar coverings associated with agricultural operations are exempt.																																											
RAD143	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%.																																										
Transport noise corridors (refer Overlay map - Transport noise corridors)																																											
Note - This is for information purposes only. No requirements for accepted development or criteria for assessable development apply. Development located within a Transport Noise Corridor must satisfy the requirements of the Queensland Development Code.																																											

Part B — Criteria for assessable development - Rural residential zone

Where development is categorised as assessable development - code assessment in the Table of Assessment, and located in a precinct, the assessment benchmarks are the criteria set out in Part B, Table 6.2.11.2 as well as the purpose statement and overall outcomes of this code.

Where development is categorised as assessable development - impact assessment, the assessment benchmarks become the whole of the planning scheme.

Table 6.2.11.2 Assessable development - Rural residential zone

Performance Outcomes	Examples that achieve aspects of the Performance Outcomes
General	
PO1	No example provided.

Performance Outcomes	Examples that achieve aspects of the Performance Outcomes
<p>Development:</p> <ul style="list-style-type: none"> a. is limited in size, scale and intensity to be compatible with the low density, low rise built form and open area character and amenity anticipated in the Rural residential zone; b. is designed, located and operated in a manner to avoid detrimental impacts on the low density, low rise built form and open area character and amenity anticipated in the Rural residential zone; c. is designed, located and operated in a manner that avoids nuisance impacts on adjoining properties; d. is adequately serviced with necessary infrastructure to meet on-site needs and requirements; e. ensures adequate on-site stormwater and waste disposal is provided to avoid adverse impacts on water quality; f. requires minimal cutting, filling or excavating. Where this occurs, visual impacts are reduced through screening; g. avoids being obtrusive or visually dominant through on-site location, colours and materials of buildings and structures, except where materials such as netting, shade cloth and similar coverings are necessary for agricultural operations; and h. does not result in any instability, erosion or degradation of land, water, soil resource or loss of natural, ecological or biological values. 	
Development footprint	
<p>PO2</p> <p>All buildings, structures, associated facilities and infrastructure are contained within an approved development footprint. Development outside of an approved development footprint must:</p> <ul style="list-style-type: none"> a. not be subject to a development constraint such as, but not limited to, flood, steep slope, waterway setbacks and significant vegetation; b. development does not result in any instability, erosion or degradation of land, water, soil resource or loss of natural, ecological or biological values. 	<p>E2</p> <p>Where a development footprint has been identified as part of a development approval for reconfiguring a lot, all development occurs within the development footprint.</p>

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Performance Outcomes	Examples that achieve aspects of the Performance Outcomes
Building height	
<p>PO3</p> <p>Building and structure height:</p> <ul style="list-style-type: none"> a. is consistent with the low rise built form and open area character and amenity values anticipated in the Rural residential zone; b. does not unduly impact on access to sunlight, overshadowing or privacy experienced by adjoining properties; c. is not visually dominant or overbearing; d. does not adversely affect the operation of aviation facilities at Mt Glorious (See Overlay map - Major infrastructure) by adopting design or on-site management measures that: <ul style="list-style-type: none"> i. ensures a physical line-of-sight between transmitting or receiving devices. ii. ensure electromagnetic fields do not interfere with the functioning of the aviation facility. 	<p>E3</p> <p>Unless otherwise specified in this code, the building height of all buildings and structures does not exceed 5m.</p>
Setbacks	
<p>PO4</p> <p>Setbacks:</p> <ul style="list-style-type: none"> a. are sufficient to minimise overlooking and maintain privacy of adjoining properties; b. create sufficient separation to ensure buildings are not visually dominant or overbearing on adjoining properties with respect to the low density character and amenity anticipated in the Rural residential zone. 	<p>E4</p> <p>The minimum setbacks from a property boundary are as follows:</p> <ul style="list-style-type: none"> a. road boundary - 6m b. site boundary - 4.5m c. rear boundary - 4.5m.
<p>PO5</p> <p>For those properties within the catchments of Lake Samsonvale or Lake Kurwongbah, development having a waste/effluent disposal system are positioned in a manner which avoids adverse impacts on the water quality of those lakes.</p>	<p>E5</p> <p>Waste/effluent disposal systems are located at least:-</p> <ul style="list-style-type: none"> a. 80m from the full supply level of RL 21m AHD to Lake Kurwongbah on Lot 5 RP111651 or Lot 10 RP111653; and b. 400m from RL 39.63m AHD being the full supply level of Lake Samsonvale and RL 21m AHD being the full supply level to Lake Kurwongbah.

Performance Outcomes	Examples that achieve aspects of the Performance Outcomes										
	Editor's Note - The 400m buffer around Lake Samsonvale and Lake Kurwongbah is shown on Overlay map - Infrastructure buffers.										
Amenity											
<p>PO6</p> <p>The amenity of the area and adjacent sensitive land uses are protected from the impacts of dust, odour, noise, light, chemicals and other environmental nuisances.</p>	No example provided.										
Waste treatment											
<p>PO7</p> <p>Stormwater generated on-site is treated and disposed of in an acceptable manner to mitigate any detrimental effects on soil, surface water or ground water quality. Development resulting in the degradation of soil, surface water or ground water quality is avoided.</p>	<p>E7</p> <p>All concentrated animal use area (eg sheds, pens, holding yards, stables, kennels and other animal enclosures) are provided with site drainage to ensure all run-off is directed to suitable detention basins, filtration or other treatment areas.</p>										
Site cover											
<p>PO8</p> <p>Total roofed area of all buildings (including domestic outbuildings) on a site:</p> <ol style="list-style-type: none"> reflects the detached, low density, low rise built form and open area environment anticipated in the Rural residential zone; does not appear dominant or overbearing; provides generous open areas around buildings for useable private open space, and protects existing vegetation. 	<p>E8</p> <p>The maximum total roofed area of all buildings (including domestic outbuildings) does not exceed:</p> <table border="1" data-bbox="791 1267 1465 1599"> <thead> <tr> <th>Lot size</th> <th>Maximum roofed area</th> </tr> </thead> <tbody> <tr> <td>Less than 1500m²</td> <td>50% of the lot</td> </tr> <tr> <td>1500m² to 3000m²</td> <td>750m²</td> </tr> <tr> <td>Greater than 3000m² to 6000m²</td> <td>25% of the lot</td> </tr> <tr> <td>Greater than 6000m²</td> <td>1500m²</td> </tr> </tbody> </table> <p>Note - For a dwelling house, this is a quantifiable standard that is an alternative provision to the QDC, part MP1.2, A3. Non-compliance with this provision for a Dwelling house requires a concurrence agency response from council.</p>	Lot size	Maximum roofed area	Less than 1500m ²	50% of the lot	1500m ² to 3000m ²	750m ²	Greater than 3000m ² to 6000m ²	25% of the lot	Greater than 6000m ²	1500m ²
Lot size	Maximum roofed area										
Less than 1500m ²	50% of the lot										
1500m ² to 3000m ²	750m ²										
Greater than 3000m ² to 6000m ²	25% of the lot										
Greater than 6000m ²	1500m ²										
Rural uses setbacks											
<p>PO9</p> <p>Development ensures that:</p> <ol style="list-style-type: none"> chemical spray, fumes, odour, dust does not drift beyond the property boundary but is contained on-site; 	<p>E9</p> <p>The following uses and associated buildings are setback from property boundaries as follows:</p> <ol style="list-style-type: none"> Animal husbandry⁽⁴⁾ (buildings only) - 10m 										

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Performance Outcomes	Examples that achieve aspects of the Performance Outcomes
<p>b. unreasonable nuisance or annoyance resulting from - but not limited to - noise, storage of materials and rubbish does not adversely impact upon land users adjacent to, or within the general vicinity;</p> <p>c. buildings and other structures are consistent with the low density, low rise built form and open area environment anticipated in the Rural residential zone.</p>	<p>b. Animal keeping⁽⁵⁾, excluding catteries and kennels - 20m</p> <p>c. Aquaculture⁽⁶⁾ involving ponds or water behind dams - 100m</p> <p>d. Aquaculture⁽⁶⁾ involving the housing of tanks - 20m</p> <p>e. Community residence⁽¹⁶⁾ - 20m</p> <p>f. Cropping⁽¹⁹⁾ (buildings only) - 10m</p> <p>g. Intensive horticulture⁽⁴⁰⁾ - 10m</p> <p>h. Permanent plantations⁽⁵⁹⁾ - 25m</p> <p>i. Rural Industry⁽⁷⁰⁾ - 20m</p> <p>j. Wholesale nursery⁽⁸⁹⁾ - 10m</p> <p>k. Veterinary services⁽⁸⁷⁾ - 10m.</p>
Car parking	
<p>PO10</p> <p>On-site car parking associated with an activity provides safe and convenient on-site parking and manoeuvring to meet anticipated parking demand.</p> <p>Note - Refer to Planning scheme policy - Integrated transport assessment for guidance on how to achieve compliance with this outcome.</p>	<p>E10</p> <p>On-site car parking is provided at a rate identified in Schedule 7 - Car parking.</p>
Noise	
<p>PO11</p> <p>Noise generating uses do not adversely affect existing noise sensitive uses.</p> <p>Note - The use of walls, barriers or fences that are visible from or adjoin a road or public area are not appropriate noise attenuation measures unless adjoining a motorway, arterial road or rail line.</p> <p>Note - A noise impact assessment may be required to demonstrate compliance with this PO. Noise impact assessments are to be prepared in accordance with Planning scheme policy - Noise.</p>	<p>No example provided.</p>
<p>PO12</p> <p>Sensitive land uses are provided with an appropriate acoustic environment within designated external private outdoor living spaces and internal areas while:</p>	<p>E12.1</p> <p>Development is designed to meet the criteria outlined in the Planning Scheme Policy – Noise.</p> <hr/> <p>E12.2</p>

Performance Outcomes	Examples that achieve aspects of the Performance Outcomes
<p>a. contributing to safe and usable public spaces, through maintaining high levels of surveillance of parks, streets and roads that serve active transport purposes (e.g. existing or future pedestrian paths or cycle lanes etc);</p> <p>b. maintaining the amenity of the streetscape.</p> <p>Note - A noise impact assessment may be required to demonstrate compliance with this PO. Noise impact assessments are to be prepared in accordance with Planning scheme policy - Noise.</p> <p>Note - Refer to Planning Scheme Policy – Integrated design for details and examples of noise attenuation structures.</p>	<p>Noise attenuation structures (e.g. walls, barriers or fences):</p> <p>a. are not visible from an adjoining road or public area unless:</p> <p>i. adjoining a motorway or rail line; or</p> <p>ii. adjoining part of an arterial road that does not serve an existing or future active transport purpose (e.g. pedestrian paths or cycle lanes) or where attenuation through building location and materials is not possible.</p> <p>b. do not remove existing or prevent future active transport routes or connections to the street network;</p> <p>c. are located, constructed and landscaped in accordance with Planning scheme policy - Integrated design.</p> <p>Note - Refer to Planning scheme policy – Integrated design for details and examples of noise attenuation structures.</p> <p>Note - Refer to Overlay map – Active transport for future active transport routes.</p>
Sensitive land use separation	
<p>PO13</p> <p>Vulnerable land uses within 1500m of any existing Tier 1, 2 or 3 MHF is compatible with MHF risks.</p> <p>Note - To demonstrate compliance with this performance outcome a impact assessment report may be required.</p>	<p>No example provided.</p>
<p>Hazardous Chemicals</p> <p>Note - To assist in demonstrating compliance with the following performance outcomes, a Hazard Assessment Report may be required to be prepared and submitted by a suitably qualified person in accordance with 'State Planning Policy Guideline - Guidance on development involving hazardous chemicals'.</p> <p>Terms used in this section are defined in State 'State Planning Policy Guideline - Guidance on development involving hazardous chemicals'.</p>	
<p>PO14</p> <p>Off sites risks from foreseeable hazard scenarios involving hazardous chemicals are commensurate with the sensitivity of the surrounding land use zones.</p>	<p>E14.1</p> <p>Off site impacts or risks from any foreseeable hazard scenario does not exceed the dangerous dose at the boundary of land zoned for vulnerable or sensitive land uses as described below:</p> <p>Dangerous Dose</p> <p>a. For any hazard scenario involving the release of gases or vapours:</p>

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Performance Outcomes	Examples that achieve aspects of the Performance Outcomes
	<p data-bbox="852 293 1471 416"> i. AEGL2 (60minutes) or if not available ERPG2; ii. An oxygen content in air <19.5% or >23.5% at normal atmospheric pressure. </p> <p data-bbox="788 472 1461 622"> b. For any hazard scenario involving fire or explosion: i. 7kPa overpressure; ii. 4.7kW/m² heat radiation. </p> <p data-bbox="788 703 1471 801"> If criteria E14.1 (a) or (b) cannot be achieved, then the risk of any foreseeable hazard scenario shall not exceed an individual fatality risk level of 0.5 x 10⁻⁶/year. </p> <hr/> <p data-bbox="788 853 863 882">E14.2</p> <p data-bbox="788 913 1471 1037"> Off site impacts or risks from any foreseeable hazard scenario does not exceed the dangerous dose at the boundary of a commercial or community activity land use zone as described below: </p> <p data-bbox="788 1068 991 1097">Dangerous Dose</p> <p data-bbox="788 1128 1471 1547"> a. For any hazard scenario involving the release of gases or vapours: i. AEGL2 (60minutes) or if not available ERPG2; ii. An oxygen content in air <19.5% or >23.5% at normal atmospheric pressure. b. For any hazard scenario involving fire or explosion: i. 7kPa overpressure; ii. 4.7kW/m² heat radiation. </p> <p data-bbox="788 1628 1471 1727"> If criteria E14.2 (a) or (b) cannot be achieved, then the risk of any foreseeable hazard scenario shall not exceed an individual fatality risk level of 5 x 10⁻⁶/year. </p> <hr/> <p data-bbox="788 1778 863 1807">E14.3</p> <p data-bbox="788 1839 1471 1962"> Off site impacts or risks from any foreseeable hazard scenario does not exceed the dangerous dose at the boundary of an industrial land use zone as described below: </p> <p data-bbox="788 1993 991 2022">Dangerous Dose</p>

Performance Outcomes	Examples that achieve aspects of the Performance Outcomes
	<p>a. For any hazard scenario involving the release of gases or vapours:</p> <ul style="list-style-type: none"> i. AEGL2 (60minutes) or if not available ERPG2; ii. An oxygen content in air <19.5% or >23.5% at normal atmospheric pressure. <p>b. For any hazard scenario involving fire or explosion:</p> <ul style="list-style-type: none"> i. 14kPa overpressure; ii. 12.6kW/m² heat radiation. <p>If criteria E14.3 (a) or (b) cannot be achieved, then the risk of any foreseeable hazard scenario shall not exceed an individual fatality risk level of 50 x 10⁻⁶/year.</p>
<p>PO15</p> <p>Buildings and package stores containing fire-risk hazardous chemicals are designed to detect the early stages of a fire situation and notify a designated person.</p>	<p>E15</p> <p>Buildings and package stores containing fire-risk hazardous chemicals are provided with 24 hour monitored fire detection system for early detection of a fire event.</p>
<p>PO16</p> <p>Common storage areas containing packages of flammable and toxic hazardous chemicals are designed with spill containment system(s) that are adequate to contain releases, including fire fighting media.</p>	<p>E16</p> <p>Storage areas containing packages of flammable and toxic hazardous chemicals are designed with spill containment system(s) capable of containing a minimum of the total aggregate capacity of all packages plus the maximum operating capacity of any fire protection system for the storage area(s) over a minimum of 60 minutes.</p>
<p>PO17</p> <p>Storage and handling areas, including manufacturing areas, containing hazardous chemicals in quantities greater than 2,500L or kg within a Local Government “flood hazard area” are located and designed in a manner to minimise the likelihood of inundation of flood waters from creeks, rivers, lakes or estuaries.</p>	<p>E17.1</p> <p>The base of any tank with a WC >2,500L or kg is higher than any relevant flood height level identified in an area’s flood hazard area. Alternatively:</p> <ul style="list-style-type: none"> a. bulk tanks are anchored so they cannot float if submerged or inundated by water; and b. tank openings not provided with a liquid tight seal, i.e. an atmospheric vent, are extended above the relevant flood height level. <p>E17.2</p> <p>The lowest point of any storage area for packages</p>

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Performance Outcomes	Examples that achieve aspects of the Performance Outcomes
	<p>>2,500L or kg is higher than any relevant flood height level identified in an area's flood hazard area. Alternatively, package stores are provided with impervious bund walls or racking systems higher than the relevant flood height level.</p>
Clearing of habitat trees where not located within the Environmental areas overlay map	
<p>PO18</p> <p>a. Development ensures that the biodiversity quality and integrity of habitats is not adversely impacted upon but maintained and protected.</p> <p>b. Development does not result in the net loss of fauna habitat. Where development does result in the loss of a habitat tree, development will provide replacement fauna nesting boxes at the following rate of 1 nest box for every hollow removed. Where hollows have not yet formed in trees > 80cm in diameter at 1.3m height, 3 nest boxes are required for every habitat tree removed.</p> <p>c. Development does not result in soil erosion or land degradation or leave land exposed for an unreasonable period of time but is rehabilitated in a timely manner</p> <p>Note: Further guidance on habitat trees is provided in Planning scheme policy - Environmental areas</p>	<p>No example provided.</p>
Works criteria	
Utilities	
<p>PO19</p> <p>All services including water supply, sewage disposal, electricity, street lighting, telecommunications and gas (if available) are provided in a manner that:</p> <p>a. is effective in delivery of service and meets reasonable community expectations;</p> <p>b. has capacity to service the maximum lot yield envisaged for the zone and the service provider's design assumptions;</p> <p>c. ensures a logical, sequential, efficient and integrated roll out of the service network;</p> <p>d. is conveniently accessible in the event of maintenance or repair;</p>	<p>E19</p> <p>Development is provided with an appropriate level of service and infrastructure in accordance with Planning scheme policy - Integrated design (Appendix A).</p>

<ul style="list-style-type: none"> e. minimises whole of life cycle costs for that infrastructure; f. minimises risk of potential adverse impacts on the natural and built environment; g. minimises risk of potential adverse impact on amenity and character values; h. recognises and promotes Councils Total Water Cycle Management policy and the efficient use of water resources. 	
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Access	
<p>PO20</p> <p>Where required, access easements contain a driveway and provision for services appropriate to the use. The easement covers all works associated with the access in accordance with Planning scheme policy - Integrated design.</p>	<p>No example provided.</p>
<p>PO21</p> <p>The layout of the development does not compromise:</p> <ul style="list-style-type: none"> a. the development of the road network in the area; b. the function or safety of the road network; c. the capacity of the road network. <p>Note - The road hierarchy is mapped on Overlay map - Road hierarchy.</p>	<p>E21.1</p> <p>The development provides for the extension of the road network in the area in accordance with Council's road network planning.</p> <hr/> <p>E21.2</p> <p>The development does not compromise future road widening of frontage roads in accordance with the relevant standard and Council's road planning.</p> <hr/> <p>E21.3</p> <p>The development layout allows forward vehicular access to and from the site.</p>
<p>PO22</p> <p>Safe access is provided for all vehicles required to access the site.</p>	<p>E22.1</p> <p>Site access and driveways are designed, located and constructed in accordance with:</p> <ul style="list-style-type: none"> a. where for a Council-controlled road and associated with a Dwelling house: <ul style="list-style-type: none"> i. Planning scheme policy - Integrated design; b. where for a Council-controlled road and not associated with a Dwelling house: <ul style="list-style-type: none"> i. AS/NZS2890.1 Parking facilities Part 1: Off street car parking;

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	<ul style="list-style-type: none"> ii. AS 2890.2 - Parking facilities Part 2: Off-street commercial vehicle facilities; iii. Planning scheme policy - Integrated design; iv. Schedule 8 - Service vehicle requirements; <p>c. where for a State-Controlled road, the Safe Intersection Sight Distance requirements in Austroads and the appropriate IPWEAQ standard drawings, or a copy of a Transport Infrastructure Act 1994, section 62 approval.</p> <p>E22.2</p> <p>Internal driveways, car parks and access ways are designed and constructed with a sealed pavement and in accordance with:</p> <ul style="list-style-type: none"> a. AS/NZS 2890.1 Parking Facilities Part 1: Off street car parking; b. AS 2890.2 Parking Facilities Part 2: Off street commercial vehicle facilities; c. Planning scheme policy - Integrated design; and d. Schedule 8 - Service vehicle requirements. <p>Note - This includes queue lengths (refer to Schedule 8 - Service vehicle requirements), pavement widths and construction.</p> <p>E22.3</p> <p>Access driveways, manoeuvring areas and loading facilities are sealed and provide for service vehicles listed in Schedule 8 - Service vehicle requirements for the relevant use. The on-site manoeuvring is to be in accordance with Schedule 8 - Service vehicle requirements.</p> <p>E22.4</p> <p>Landscaping (including shade trees) is provided within car parks in accordance with Planning scheme policy - Integrated design.</p>
<p>PO23</p> <p>Sealed and flood free road access during the minor storm event is available to the site from the nearest arterial or sub-arterial road.</p>	<p>E23</p> <p>Roads or streets giving access to the development from the nearest arterial or sub-arterial road are flood free during the minor storm event and are sealed.</p>

<p>Editor's note - Where associated with a State-controlled road, further requirements may apply, and approvals may be required from the Department of Transport and Main Roads.</p>	<p>Note - The road network is mapped on Overlay map - Road hierarchy.</p>
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Street design and layout	
<p>PO24</p> <p>Streets are designed and constructed in accordance with Planning scheme policy - Integrated design and Planning scheme policy - Operational works inspection, maintenance and bonding procedures. The street design and construction accommodates the following functions:</p> <ol style="list-style-type: none"> access to premises by providing convenient vehicular movement for residents between their homes and the major road network; safe and convenient pedestrian and cycle movement; adequate on street parking; stormwater drainage paths and treatment facilities; efficient public transport routes; utility services location; emergency access and waste collection; setting and approach (streetscape, landscaping and street furniture) for adjoining residences; expected traffic speeds and volumes; and wildlife movement (where relevant). <p>Note - Preliminary road design (including all services, street lighting, stormwater infrastructure, access locations, street trees and pedestrian network) may be required to demonstrate compliance with this PO.</p> <p>Note - Refer to Planning scheme policy - Environmental areas and corridors for examples of when and where wildlife movement infrastructure is required.</p>	<p>No example provided.</p>
<p>PO25</p> <p>The existing road network (whether trunk or non-trunk) is upgraded where necessary to cater for the impact from the development.</p>	<p>E25.1</p> <p>New intersections onto existing roads are designed to accommodate traffic volumes and traffic movements taken from a date 10 years from the date of completion of the last stage of the development. Detailed design is to be in accordance with Planning scheme policy - Integrated design.</p>

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<p>Note - An applicant may be required to submit an Integrated Transport Assessment (ITA), prepared in accordance with Planning scheme policy - Integrated transport assessment to demonstrate compliance with this PO, when any of the following occurs:</p> <ul style="list-style-type: none"> • Development is within 200m of a transport sensitive location such as a school, shopping centre, bus or train station or a large generator of pedestrian or vehicular traffic; • Forecast traffic to/from the development exceeds 5% of the two way flow on the adjoining road or intersection in the morning or afternoon transport peak within 10 years of the development completion; • Development access onto a sub arterial, or arterial road or within 100m of a signalised intersection; • Residential development greater than 50 lots or dwellings; • Offices greater than 4,000m² Gross Floor Area (GFA); • Retail activities including Hardware and trade supplies, Showroom, Shop or Shopping centre greater than 1,000m² GFA; • Warehouses and Industry greater than 6,000m² GFA; • On-site carpark greater than 100 spaces; • Development has a trip generation rate of 100 vehicles or more within the peak hour; • Development which dissects or significantly impacts on an environmental area or an environmental corridor. <p>The ITA is to review the development's impact upon the external road network for the period of 10 years from completion of the development. The ITA is to provide sufficient information for determining the impact and the type and extent of any ameliorative works required to cater for the additional traffic. The ITA must include a future structural road layout of adjoining properties that will form part of this catchment and road connecting to these properties. The ITA is to assess the ultimate developed catchment's impacts and necessary ameliorative works, and the works or contribution required by the applicant as identified in the study.</p> <p>Note - The road network is mapped on Overlay map - Road hierarchy.</p> <p>Note - The primary and secondary active transport network is mapped on Overlay map - Active transport.</p>	<p>Note - All turns vehicular access to existing lots is to be retained at new road intersections wherever practicable.</p> <p>Note - Existing on-street parking is to be retained at new road intersections and along road frontages wherever practicable.</p>
<p>PO26</p> <p>New intersections along all streets and roads are located and designed to provide safe and convenient movements for all users.</p> <p>Note - Refer Planning scheme policy - Integrated design and Planning scheme policy - Operational works inspection, maintenance and bonding procedures for design and construction standards.</p>	<p>E25.2</p> <p>Existing intersections external to the site are upgraded as necessary to accommodate increased traffic from the development. Design is in accordance with Planning scheme policy - Operational works inspection, maintenance and bonding procedures.</p> <p>Note - All turns vehicular access to existing lots is to be retained at new road intersections wherever practicable.</p> <p>Note - Existing on-street parking is to be retained at upgraded road intersections and along road frontages wherever practicable.</p> <p>E25.3</p> <p>The active transport network is extended in accordance with Planning scheme policy - Integrated design.</p> <p>E26</p> <p>New intersection spacing (centreline – centreline) along a through road conforms with the following:</p> <ol style="list-style-type: none"> Where the through road provides an access or collector function: <ol style="list-style-type: none"> intersecting road located on same side = 100 metres;

Note - An Integrated Transport Assessment (ITA) including preliminary intersection designs, prepared in accordance with Planning scheme policy - Integrated transport assessment may be required to demonstrate compliance with this PO. Intersection spacing will be determined based on the deceleration and queue storage distances required for the intersection after considering vehicle speed and present/forecast turning and through volumes.

- ii. intersecting road located on opposite side = 50 metres.
- b. Where the through road provides a sub-arterial function:
 - i. intersecting road located on same side = 300 metres;
 - ii. intersecting road located on opposite side = 150 metres.
- c. When the through road provides an arterial function:
 - i. intersecting road located on the same side = 500 metres;
 - ii. intersecting road located on opposite side = 250 metres.
- d. Walkable block perimeter does not exceed 1500 metres.

Note - Based on the absolute minimum intersection spacing identified above, all turns access may not be permitted (ie. left in/left out only) at intersections with sub-arterial roads or arterial roads.

Note - The road network is mapped on Overlay map - Road hierarchy.

Note - An Integrated Transport Assessment (ITA) including preliminary intersection designs, prepared in accordance with Planning scheme policy - Integrated transport assessment may be required to demonstrate compliance with this PO.

PO27

All Council controlled frontage roads adjoining the development are designed and constructed in accordance with Planning scheme policy - Integrated design and Planning scheme policy - Operational works inspection, maintenance and bonding procedures. All new works are extended to join any existing works within 20m.

Note - Frontage roads include streets where no direct lot access is provided.

Note - The road network is mapped on Overlay map - Road hierarchy.

Note - The Primary and Secondary active transport network is mapped on Overlay map - Active transport.

Note - Roads are considered to be constructed in accordance with Council's standards when there is sufficient pavement width, geometry and depth to comply with the requirements of Planning scheme policy - Integrated design and Planning scheme policy - Operational works inspection, maintenance and bonding procedures.

E27

Design and construct all Council controlled frontage roads in accordance with Planning scheme policy - Integrated design, Planning scheme policy - Operational works inspection, maintenance and bonding procedures and the following:

Situation	Minimum construction
Frontage road unconstructed or gravel road only;	Construct the verge adjoining the development and the carriageway (including development side kerb and channel) to a minimum sealed width containing near side parking lane (if required), cycle lane (if required), 2 travel lanes plus 1.5m wide (full depth pavement)
OR	
Frontage road sealed but not constructed* to Planning scheme policy - Integrated design standard;	
OR	

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	<table border="1" data-bbox="810 203 1471 591"> <tr> <td data-bbox="817 212 1136 582"> <p>Frontage road partially constructed* to Planning scheme policy - Integrated design standard.</p> </td> <td data-bbox="1142 212 1465 582"> <p>gravel shoulder and table drainage to the opposite side.</p> <p>The minimum total travel lane width is:</p> <ul style="list-style-type: none"> • 6m for minor roads; • 7m for major roads. </td> </tr> </table> <p>Note - Major roads are sub-arterial roads and arterial roads. Minor roads are roads that are not major roads.</p> <p>Note - Construction includes all associated works (services, street lighting and linemarking).</p> <p>Note - Alignment within road reserves is to be agreed with Council.</p> <p>Note - *Roads are considered to be constructed in accordance with Council standards when there is sufficient pavement width, geometry and depth to comply with the requirements of Planning scheme policy - Integrated design and Planning scheme policy - Operational works inspection, maintenance and bonding procedures. Testing of the existing pavement may be required to confirm whether the existing works meet the standards in Planning scheme policy - Integrated design and Planning scheme policy - Operational works inspection, maintenance and bonding procedures.</p>	<p>Frontage road partially constructed* to Planning scheme policy - Integrated design standard.</p>	<p>gravel shoulder and table drainage to the opposite side.</p> <p>The minimum total travel lane width is:</p> <ul style="list-style-type: none"> • 6m for minor roads; • 7m for major roads.
<p>Frontage road partially constructed* to Planning scheme policy - Integrated design standard.</p>	<p>gravel shoulder and table drainage to the opposite side.</p> <p>The minimum total travel lane width is:</p> <ul style="list-style-type: none"> • 6m for minor roads; • 7m for major roads. 		

Stormwater	
<p>PO28</p> <p>Minor stormwater drainage systems (internal and external) have the capacity to convey stormwater flows from frequent storm events for the fully developed upstream catchment whilst ensuring pedestrian and vehicular traffic movements are safe and convenient.</p>	<p>E28.1</p> <p>The capacity of all minor drainage systems are designed in accordance with Planning scheme policy - Integrated design.</p> <p>E28.2</p> <p>Stormwater pipe network capacity is to be calculated in accordance with the Hydraulic Grade Line method as detailed in Australian Rainfall and Runoff or QUDM.</p> <p>E28.3</p> <p>Development ensures that inter-allotment drainage infrastructure is provided in accordance with the relevant level as identified in QUDM.</p>
<p>PO29</p> <p>Major stormwater drainage system(s) have the capacity to safely convey stormwater flows for the 1% AEP event for the fully developed upstream catchment.</p>	<p>E29.1</p> <p>The internal drainage system safely and adequately conveys the stormwater flows for the 1% AEP event for the fully developed upstream catchment through the site.</p>

	<p>E29.2</p> <p>The external (downstream) drainage system safely conveys the stormwater flows for the 1% AEP event for the fully developed upstream catchment without allowing the flows to encroach upon private lots.</p>
	<p>E29.3</p> <p>Overland flow paths from roads and public open space areas do not pass through private lots. Drainage pathways are provided to accommodate overland flows from roads and public open space areas.</p>
	<p>E29.4</p> <p>The flow velocity in all unlined or soft faced open drains is kept within acceptable limits for the type of material or lining and condition of the channel.</p> <p>Note - Refer to QUDM for recommended average flow velocities.</p>
<p>PO30</p> <p>Provide measures to properly manage surface flows for the 1% AEP event (for the fully developed catchment) draining to and through the land to ensure no actionable nuisance is created to any person or premises as a result of the development. The development must not result in ponding on adjacent land, redirection of surface flows to other premises or blockage of a surface flow relief path for flows exceeding the design flows for any underground system within the development.</p>	<p>E30</p> <p>The stormwater drainage system is designed and constructed in accordance with Planning scheme policy - Integrated design.</p>
<p>PO31</p> <p>Stormwater run-off from the site is conveyed to a point of lawful discharge without causing actionable nuisance to any person, property or premises.</p> <p>Note - Refer to Planning scheme policy - Integrated design for details.</p> <p>Note - A downstream drainage discharge report in accordance with Planning scheme policy - Stormwater management may be required to demonstrate achievement of this performance outcome.</p> <p>Note - A watercourse as defined in the Water Act may be accepted as a lawful point of discharge providing the drainage discharge from the site does not increase the downstream flood levels during events up to and including the 1% AEP storm. An afflux of +20mm may be accepted on Council controlled land and road infrastructure. No worsening is ensured when stormwater is discharged into a catchment that includes State Transport Infrastructure.</p>	<p>No example provided.</p>
<p>PO32</p>	<p>No example provided.</p>

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<p>Stormwater generated from the development does not compromise the capacity of existing stormwater infrastructure downstream of the site.</p> <p>Note - A downstream drainage discharge report in accordance with Planning scheme policy - Stormwater management may be required to demonstrate achievement of this performance outcome.</p>									
<p>PO33</p> <p>Where development:</p> <p>a. involves a land area 2500m² or greater; and b. results in 6 or more dwellings,</p> <p>stormwater quality management systems are designed, constructed, established and maintained to minimise the environmental impact of stormwater on surface, groundwater and receiving water environments and meet the design objectives outlined in Schedule 10 - Stormwater management design objectives.</p> <p>Note - For Rural residential development with a density of 1.25 lots/dwellings per hectare and above, the entire development area is to be treated by the stormwater quality management system/s. For Rural residential development with a density less than 1.25 lots/dwellings per hectare, the road reserve is to be treated by the stormwater quality management system/s.</p> <p>Note - A site based stormwater management plan prepared by a suitably qualified professional will be required in accordance with Planning scheme policy - Stormwater management. Stormwater quality infrastructure is to be designed in accordance with Planning scheme policy - Integrated design (Appendix C).</p>	<p>No example provided.</p>								
<p>PO34</p> <p>Stormwater drainage pipes and structures through or within private land (including inter-allotment drainage) are protected by easements in favour of Council with sufficient area for practical access for maintenance purposes.</p> <p>Note - In order to achieve a lawful point of discharge, stormwater easements may also be required over temporary drainage channels/infrastructure where stormwater dams to a balance lot prior to entering Council's stormwater drainage system.</p>	<p>E34.1</p> <p>Stormwater drainage infrastructure (excluding detention and bio-retention systems) through or within private land (including inter-allotment drainage) is protected by easements in favour of Council. Minimum easement widths are as follows:</p> <table border="1" data-bbox="810 1570 1465 2094"> <thead> <tr> <th>Pipe Diameter</th> <th>Minimum easement width (excluding access requirements)</th> </tr> </thead> <tbody> <tr> <td>Stormwater pipe up to 825mm diameter</td> <td>3.0m</td> </tr> <tr> <td>Stormwater pipe up to 825mm diameter with sewer pipe up to 225m diameter</td> <td>4.0m</td> </tr> <tr> <td>Stormwater pipe greater than 825mm diameter</td> <td>Easement boundary to be 1m clear of the outside wall of the stormwater pipe (each side).</td> </tr> </tbody> </table>	Pipe Diameter	Minimum easement width (excluding access requirements)	Stormwater pipe up to 825mm diameter	3.0m	Stormwater pipe up to 825mm diameter with sewer pipe up to 225m diameter	4.0m	Stormwater pipe greater than 825mm diameter	Easement boundary to be 1m clear of the outside wall of the stormwater pipe (each side).
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	<p>Note - Additional easement width may be required in certain circumstances in order to facilitate maintenance access to the stormwater system.</p> <p>Note - Refer to Planning scheme policy - Integrated design (Appendix C) for easement requirements over open channels.</p>
<p>PO35</p> <p>Stormwater management facilities (excluding outlets) are located outside of riparian areas and prevent increased channel bed and bank erosion.</p>	<p>E34.2</p> <p>Easements are provided over all headwalls and outlet structures within private land. The easement is to cover all drainage works and extend to the point where the stormwater flows return to natural flow conditions.</p>
<p>PO36</p> <p>Council is provided with accurate representations of the completed stormwater management works within residential developments.</p>	<p>E36</p> <p>“As Built” drawings and specifications of the stormwater management devices certified by an RPEQ is provided.</p> <p>Note - Documentation is to include:</p> <ol style="list-style-type: none"> photographic evidence and inspection date of the installation of approved underdrainage; copy of the bioretention filter media delivery dockets/quality certificates confirming the materials comply with specifications in the approved Stormwater Management Plan; date of the final inspection.
Site works and construction management	
<p>PO37</p> <p>The site and any existing structures are maintained in a tidy and safe condition.</p>	<p>No example provided.</p>
<p>PO38</p> <p>All works on-site are managed to:</p> <ol style="list-style-type: none"> minimise as far as practicable, impacts on adjoining or adjacent premises and the streetscape in regard to erosion and sedimentation, dust, noise, safety and light; minimise as far as possible, impacts on the natural environment; 	<p>E38.1</p> <p>Works incorporate temporary stormwater runoff, erosion and sediment controls and trash removal devices designed in accordance with the Urban Stormwater Quality Planning Guidelines, State Planning Policy, Schedule 10 - Stormwater management design objectives, Planning scheme policy - Stormwater management and Planning scheme policy - Integrated design, including but not limited to the following:</p>

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<p>c. ensure stormwater discharge is managed in a manner that does not cause actionable nuisance to any person or premises;</p> <p>d. avoid adverse impacts on street trees and their critical root zone.</p>	<p>a. stormwater is not discharged to adjacent properties in a manner that differs significantly from pre-existing conditions;</p> <p>b. stormwater discharged to adjoining and downstream properties does not cause scour or erosion of any kind;</p> <p>c. stormwater discharge rates do not exceed pre-existing conditions;</p> <p>d. minimum design storm for all temporary diversion drains and sedimentation basins in accordance with Schedule 10 - Stormwater management design objectives;</p> <p>e. ponding or concentration of stormwater does not occur on adjoining properties.</p>
	<p>E38.2</p> <p>Stormwater runoff, erosion and sediment controls are constructed in accordance with Planning scheme policy - Integrated design (Appendix C) prior to commencement of any clearing or earthworks and are maintained and adjusted as necessary at all times to ensure their ongoing effectiveness.</p> <p>Note - The measures are adjusted on-site to maximise their effectiveness.</p>
	<p>E38.3</p> <p>The completed earthworks area is stabilised using turf, established grass seeding, mulch or sprayed stabilisation techniques to control erosion and sediment and dust from leaving the property.</p>
	<p>E38.4</p> <p>Existing street trees are protected and not damaged during works.</p> <p>Note - Where development occurs in the tree protection zone, measures and techniques as detailed in Australian Standard AS 4970 Protection of trees on development sites are adopted and implemented.</p>
<p>PO39</p>	<p>E39</p>
<p>Dust suppression measures are implemented during soil disturbances and construction works to protect nearby premises from unreasonable dust impacts.</p>	<p>No dust emissions extend beyond the boundaries of the site during soil disturbances and construction works.</p>
<p>PO40</p>	<p>E40.1</p>

<p>All development works including the transportation of material to and from the site are managed to not negatively impact the existing road network, the amenity of the surrounding area or the streetscape.</p> <p>Note - A Traffic Management Plan may be required to demonstrate compliance with this PO. A Traffic Management Plan is to be prepared in accordance with the Manual of Uniform Traffic Control Devices (MUTCD).</p> <p>Note - A haulage route must be identified and approved by Council where imported or exported material is transported to the site via a road of Local Collector standard or less, and:</p> <ol style="list-style-type: none"> the aggregate volume of imported or exported material is greater than 1000m³; or the aggregate volume of imported or exported material is greater than 200m³ per day; or the proposed haulage route involves a vulnerable land use or shopping centre. <p>Note - A dilapidation report (including photographs) may be required for the haulage route to demonstrate compliance with this PO.</p> <p>Editor's note - Where associated with a State-controlled road, further requirements may apply, and approval may be required from the Department of Transport and Main Roads.</p>	<p>Construction traffic including contractor car parking is controlled in accordance with a traffic management plan, prepared in accordance with the Manual of Uniform Traffic Control Devices (MUTCD) to ensure all traffic movements to and from the site are safe.</p>
	<p>E40.2</p> <p>All contractor car parking is either provided on the development site, or on an alternative site in the general locality which has been set aside for car parking. Contractors vehicles are generally not to be parked in existing roads.</p>
	<p>E40.3</p> <p>Any material dropped, deposited or spilled on the road(s) as a result of construction processes associated with the site are to be cleaned at all times.</p>
	<p>E40.4</p> <p>Construction traffic to and from the development site uses the highest classification streets or roads where a choice of access routes is available. Haul routes for the transport of imported or spoil material and gravel pavement material along Council roads below sub-arterial standard must be approved routes.</p> <p>Note - The road hierarchy is mapped on Overlay map - Road hierarchy.</p> <p>Note - A dilapidation report may be required to demonstrate compliance with this E.</p>
	<p>E40.5</p> <p>Where works are carried out in existing roads, the works must be undertaken so that the existing roads are maintained in a safe and usable condition. Practical access for residents, visitors and services (including postal deliveries and refuse collection) is retained to existing lots during the construction period and after completion of the works.</p> <p>Note - A traffic control plan prepared in accordance with the Manual of Uniform Traffic Control Devices (MUTCD) will be required for any works that will affect access, traffic movements or traffic safety in existing roads.</p>
	<p>E40.6</p> <p>Access to the development site is obtained via an existing lawful access point.</p>
<p>PO41</p>	<p>E41</p>

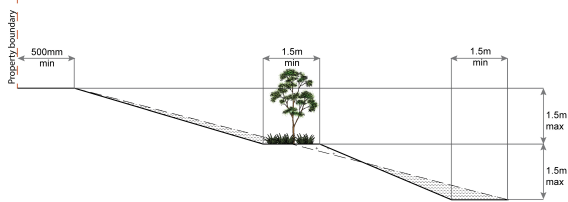
6 Zones

<p>All disturbed areas are to be progressively stabilised during construction and the entire site rehabilitated and substantially stabilised at the completion of construction.</p> <p>Note - Refer to Planning scheme policy - Integrated design for details.</p>	<p>At completion of construction all disturbed areas of the site are to be:</p> <ol style="list-style-type: none"> topsoiled with a minimum compacted thickness of fifty (50) millimetres; stabilised using turf, established grass seeding, mulch or sprayed stabilisation techniques. <p>Note - These areas are to be maintained during any maintenance period to maximise grass coverage.</p>
<p>PO42</p> <p>Earthworks are undertaken to ensure that soil disturbances are staged into manageable areas.</p> <p>Note - A site specific Erosion and Sediment Control Plan (ESCP) will be required to demonstrate compliance with this PO. An ESCP is to be prepared in accordance with Planning scheme policy - Stormwater management and Planning scheme policy - Integrated design (Appendix C).</p>	<p>E42</p> <p>Soil disturbances are staged into manageable areas of not greater than 3.5 ha.</p>
<p>PO43</p> <p>The clearing of vegetation on-site:</p> <ol style="list-style-type: none"> is limited to the area of infrastructure works, building areas and other necessary areas for the works; and includes the removal of declared weeds and other materials which are detrimental to the intended use of the land; is disposed of in a manner which minimises nuisance and annoyance to existing premises. <p>Note - No burning of cleared vegetation is permitted.</p>	<p>E43.1</p> <p>All native vegetation to be retained on-site is temporarily fenced or protected prior to and during development works.</p> <p>Note - No parking of vehicles or storage of machinery or goods is to occur in these areas during development works.</p> <p>E43.2</p> <p>Disposal of materials is managed in one or more of the following ways:</p> <ol style="list-style-type: none"> all cleared vegetation, declared weeds, stumps, rubbish, car bodies, scrap metal and the like are removed and disposed of in a Council land fill facility; or all native vegetation with a diameter below 400mm is to be chipped and stored on-site. <p>Note - The chipped vegetation must be stored in an approved location.</p>
<p>PO44</p>	<p>E44</p> <p>All development works are carried out within the following times:</p>

<p>All development works are carried out at times which minimise noise impacts to residents.</p>	<p>a. Monday to Saturday (other than public holidays) between 6:30am and 6:30pm on the same day;</p> <p>b. no work is to be carried out on Sundays or public holidays.</p> <p>Note - Work outside the above hours may be approved (in writing) where it can be demonstrated that the work will not cause significant inconvenience or disruption to the public, or the work is unlikely to cause annoyance or inconvenience to occupants of adjacent properties.</p>
<p>PO45</p> <p>Any alteration or relocation in connection with or arising from the development to any service, installation, plant, equipment or other item belonging to or under the control of the telecommunications authority, electricity authorities, the Council or other person engaged in the provision of public utility services is to be carried with the development and at no cost to Council.</p>	<p>No example provided.</p>

Earthworks	
<p>PO46</p> <p>On-site earthworks are designed to consider the visual and amenity impact as they relate to:</p> <p>a. the natural topographical features of the site;</p> <p>b. short and long-term slope stability;</p> <p>c. soft or compressible foundation soils;</p> <p>d. reactive soils;</p> <p>e. low density or potentially collapsing soils;</p> <p>f. existing fill and soil contamination that may exist on-site;</p> <p>g. the stability and maintenance of steep slopes and batters;</p> <p>h. excavation (cut) and fill and impacts on the amenity of adjoining lots (e.g. residential).</p>	<p>E46.1</p> <p>All cut and fill batters are provided with appropriate scour, erosion protection and run-off control measures including catch drains at the top of batters and lined batter drains as necessary.</p> <p>E46.2</p> <p>Stabilisation measures are provided, as necessary, to ensure long-term stability and low maintenance of steep slopes and batters.</p> <p>E46.3</p> <p>Inspection and certification of steep slopes and batters is required by a suitably qualified and experienced RPEQ.</p> <p>E46.4</p> <p>All fill batters steeper than 1 (V) in 6 (H) on residential lots are fully turfed to prevent scour and erosion.</p> <p>E46.5</p> <p>All filling or excavation is contained on-site and is free draining.</p> <p>E46.6</p>

6 Zones

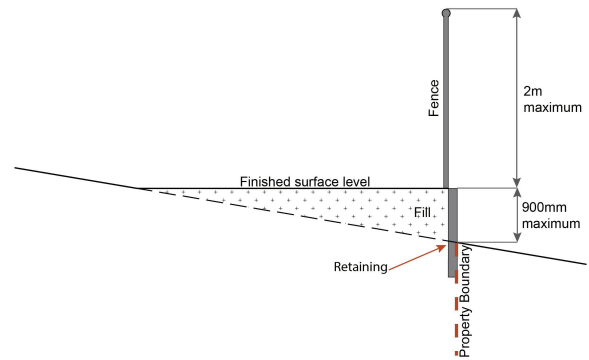
	<p>All fill placed on-site is:</p> <ol style="list-style-type: none"> limited to that area necessary for the approved use; clean and uncontaminated (i.e. no building waste, concrete, green waste, actual acid sulfate soils, potential acid sulfate soils or contaminated material etc.). <p>E46.7</p> <p>The site is prepared and the fill placed on-site in accordance with AS3798.</p> <p>Note - The fill is to be inspected and tested in accordance with Planning scheme policy - Operational works inspection, maintenance and bonding procedures.</p>
<p>PO47</p> <p>Embankments are stepped, terraced and landscaped to not adversely impact on the visual amenity of the surrounding area.</p>	<p>E47</p> <p>Any embankments more than 1.5 metres in height are stepped, terraced and landscaped.</p> <p style="text-align: center;">Figure - Embankment</p> 
<p>PO48</p> <p>Filling or excavation is undertaken in a manner that:</p> <ol style="list-style-type: none"> does not adversely impact on a Council or public sector entity maintained infrastructure or any drainage feature on, or adjacent to the land; does not preclude reasonable access to a Council or public sector entity maintained infrastructure or any drainage feature on, or adjacent to the land for monitoring, maintenance or replacement purposes. <p>Note - Public sector entity is defined in Schedule 2 of the Act.</p>	<p>E48.1</p> <p>No filling or excavation is undertaken in an easement issued in favour of Council or a public sector entity.</p> <p>Note - Public sector entity is defined in Schedule 2 of the Act.</p> <p>E48.2</p> <p>Filling or excavation that would result in any of the following is not carried out on-site:</p> <ol style="list-style-type: none"> a reduction in cover over any Council or public sector entity infrastructure service to less than 600mm;

	<p>b. an increase in finished surface grade over, or within 1.5m on each side of, the Council or public sector entity infrastructure above that which existed prior to the earthworks being undertaken;</p> <p>c. prevent reasonable access to Council or public sector entity maintained infrastructure or any drainage feature on, or adjacent to the site for monitoring, maintenance or replacement purposes.</p> <p>Note - Public sector entity is defined in Schedule 2 of the Act.</p> <p>Note - All building work covered by QDC MP1.4 is excluded from this provision.</p>
<p>PO49</p> <p>Filling or excavation does not cause any adverse impacts on utility services or on-site effluent disposal areas.</p>	<p>E49.1</p> <p>The area subject to filling or excavation does not contain any utility services.</p> <p>E49.2</p> <p>The distance between the top water level of a private dam and the irrigation area of a household sewage treatment plant (secondary treatment) is 30.0 metres.</p> <p>E49.3</p> <p>The distance between the top water level of a private dam and the irrigation area of a septic trench (primary treatment) is 50.0 metres.</p> <p>Note - Refer to the Water Quality Vision and Objectives contained in the Seqwater Development Guidelines: Development Guidelines for Water Quality Management in Drinking Water Catchments 2017 where contained within water resource area and water supply buffer area.</p>
<p>PO50</p> <p>Filling or excavation does not result in land instability.</p> <p>Note - Steep slopes and batters are inspected and certified for long-term stability by a suitably qualified and experienced geotechnical engineer with RPEQ qualifications. Stabilisation measures are provided, as necessary, to ensure long-term stability and low maintenance.</p>	<p>No example provided.</p>
<p>PO51</p> <p>Filling or excavation does not result in:</p> <p>a. adverse impacts on the hydrological and hydraulic capacity of the waterway or floodway;</p> <p>b. increased flood inundation outside the site;</p>	<p>No example provided.</p>

6 Zones

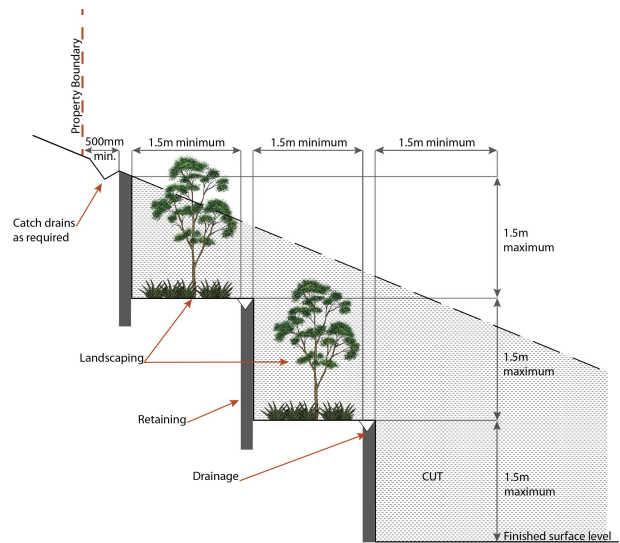
<p>c. any reduction in the flood storage capacity in the floodway;</p> <p>d. any clearing of native vegetation.</p> <p>Note - To demonstrate compliance with this outcome, Planning Scheme Policy - Stormwater Management provides guidance on the preparation of a site based stormwater management plan by a suitably qualified professional. Refer to Planning scheme policy - Integrated design for guidance on infrastructure design and modelling requirements.</p>	
<p>PO52</p> <p>Filling or excavation on the development site is undertaken in a manner which does not create or accentuate problems associated with stormwater flows and drainage systems on land adjoining the site.</p>	<p>E52</p> <p>Filling and excavation undertaken on the development site are shaped in a manner which does not:</p> <ol style="list-style-type: none"> a. prevent stormwater surface flow which, prior to commencement of the earthworks, passed onto the development site, from entering the land; or b. redirect stormwater surface flow away from existing flow paths; or c. divert stormwater surface flow onto adjacent land, (other than a road), in a manner which: <ol style="list-style-type: none"> i. concentrates the flow; or ii. increases the flow rates of stormwater over the affected section of the adjacent land above the situation which existed prior to the diversion; or iii. causes actionable nuisance to any person, property or premises.
<p>PO53</p> <p>All earth retaining structures provide a positive interface with the streetscape and minimise impacts on the amenity of adjoining residents.</p> <p>Note - Refer to Planning scheme policy - Residential design for guidance on how to achieve compliance with this performance outcome.</p>	<p>E53</p> <p>Earth retaining structures:</p> <ol style="list-style-type: none"> a. are not constructed of boulder rocks or timber; b. where height is no greater than 900mm, are provided in accordance with Figure - Retaining on a boundary;

Figure - Retaining on boundary



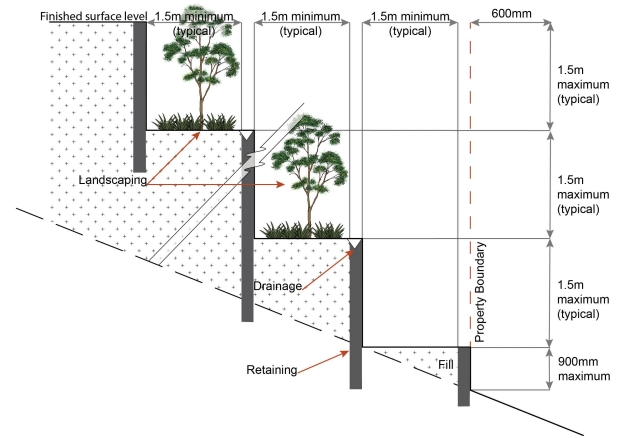
- c. where height is greater than 900mm but no greater than 1.5m, are to be setback at least the equivalent height of the retaining structure from any property boundary;
- d. where height is greater than 1.5m, are to be setback and stepped 1.5m vertical: 1.5m horizontal, terraced, landscaped and drained as shown below.

Figure - Cut



6 Zones

Figure - Fill



Fire Services

Note - The provisions under this heading only apply if:

- a. the development is for, or incorporates:
 - i. reconfiguring a lot for a community title scheme creating 1 or more vacant lots; or
 - ii. material change of use for 2 or more sole occupancy units on the same lot, or within the same community titles scheme; or
 - iii. material change of use for a Tourist park⁽⁸⁴⁾ with accommodation in the form of caravans or tents; or
 - iv. material change of use for outdoor sales⁽⁵⁴⁾, outdoor processing or outdoor storage where involving combustible materials.

AND

- b. none of the following exceptions apply:
 - i. the distributor-retailer for the area has indicated, in its netserv plan, that the premises will not be served by that entity's reticulated water supply; or
 - ii. every part of the development site is within 60m walking distance of an existing fire hydrant on the distributor-retailer's reticulated water supply network, measured around all obstructions, either on or adjacent to the site.

Note - The provisions under this heading do not apply to buildings that are required by the Building Code of Australia to have a fire hydrant system complying with Australian Standard AS 2419.1 (2005) – Fire Hydrant Installations or other fire fighting facilities which provide equivalent protection.

PO54

Development incorporates a fire fighting system that:

- a. satisfies the reasonable needs of the fire fighting entity for the area;
- b. is appropriate for the size, shape and topography of the development and its surrounds;
- c. is compatible with the operational equipment available to the fire fighting entity for the area;
- d. considers the fire hazard inherent in the materials comprising the development and their proximity to one another;

E54.1

External fire hydrant facilities are provided on site to the standard prescribed under the relevant parts of *Australian Standard AS 2419.1 (2005) – Fire Hydrant Installations*.

Note - For this requirement for accepted development, the following are the relevant parts of AS 2419.1 (2005) that may be applicable:

- a. in regard to the form of any fire hydrant - Part 8.5 and Part 3.2.2.1, with the exception that for Tourist parks⁽⁸⁴⁾ or development comprised solely of dwellings and their associated outbuildings, single outlet above-ground hydrants or suitably signposted in-ground hydrants would be an acceptable alternative;

<p>e. considers the fire hazard inherent in the surrounds to the development site;</p> <p>f. is maintained in effective operating order.</p> <p>Note - The Queensland Fire and Emergency Services is the entity currently providing the fire fighting function for the urban areas of the Moreton Bay Region.</p>	<p>b. in regard to the general locational requirements for fire hydrants - Part 3.2.2.2 (a), (e), (f), (g) and (h) as well as Appendix B of AS 2419.1 (2005);</p> <p>c. in regard to the proximity of hydrants to buildings and other facilities - Part 3.2.2.2 (b), (c) and (d), with the exception that:</p> <ul style="list-style-type: none"> i. for dwellings and their associated outbuildings, hydrant coverage need only extend to the roof and external walls of those buildings; ii. for caravans and tents, hydrant coverage need only extend to the roof of those tents and caravans; iii. for outdoor sales⁽⁵⁴⁾, processing or storage facilities, hydrant coverage is required across the entire area of the outdoor sales⁽⁵⁴⁾, outdoor processing and outdoor storage facilities; <p>d. in regard to fire hydrant accessibility and clearance requirements - Part 3.5 and, where applicable, Part 3.6.</p>
	<p>E54.2</p> <p>A continuous path of travel having the following characteristics is provided between the vehicle access point to the site and each external fire hydrant and hydrant booster point on the land:</p> <ul style="list-style-type: none"> a. an unobstructed width of no less than 3.5m; b. an unobstructed height of no less than 4.8m; c. constructed to be readily traversed by a 17 tonne HRV fire brigade pumping appliance; d. an area for a fire brigade pumping appliance to stand within 20m of each fire hydrant and 8m of each hydrant booster point.
	<p>E54.3</p> <p>On-site fire hydrant facilities are maintained in effective operating order in a manner prescribed in <i>Australian Standard AS1851 (2012) – Routine service of fire protection systems and equipment</i>.</p>
<p>PO55</p> <p>On-site fire hydrants that are external to buildings, as well as the available fire fighting appliance access routes to those hydrants, can be readily identified at all times from, or at, the vehicular entry point to the development site.</p>	<p>E55</p> <p>For development that contains on-site fire hydrants external to buildings:</p> <ul style="list-style-type: none"> a. those external hydrants can be seen from the vehicular entry point to the site; or b. a sign identifying the following is provided at the vehicular entry point to the site: <ul style="list-style-type: none"> i. the overall layout of the development (to scale); ii. internal road names (where used); iii. all communal facilities (where provided); iv. the reception area and on-site manager's office (where provided);

6 Zones

	<ul style="list-style-type: none"> v. external hydrants and hydrant booster points; vi. physical constraints within the internal roadway system which would restrict access by fire fighting appliances to external hydrants and hydrant booster points. <p>Note - The sign prescribed above, and the graphics used are to be:</p> <ul style="list-style-type: none"> a. in a form; b. of a size; c. illuminated to a level; <p>which allows the information on the sign to be readily understood, at all times, by a person in a fire fighting appliance up to 4.5m from the sign.</p>
<p>PO56</p> <p>Each on-site fire hydrant that is external to a building is signposted in a way that enables it to be readily identified at all times by the occupants of any firefighting appliance traversing the development site.</p>	<p>E56</p> <p>For development that contains on-site fire hydrants external to buildings, those hydrants are identified by way of marker posts and raised reflective pavement markers in the manner prescribed in the technical note <i>Fire hydrant indication system</i> produced by the Queensland Department of Transport and Main Roads.</p> <p>Note - Technical note Fire hydrant indication system is available on the website of the Queensland Department of Transport and Main Roads.</p>
Use specific criteria	
Animal keeping⁽⁵⁾ for catteries and kennels	
<p>PO57</p> <p>Development for a cattery and kennel ensures that:</p> <ul style="list-style-type: none"> a. it is a size, scale and design not visually dominant, overbearing or inconsistent with the low density, low rise built form character anticipated in the Rural residential zone; b. it is sufficiently landscaped, fenced and screened in a manner to reduce the visual appearance of buildings, structures, storage and parking areas; 	<p>No example provided.</p>

<p>c. design, siting and construction prevents animal noise from being clearly audible beyond the development site and does not create a disturbance to residents on adjoining and surrounding properties; and</p> <p>d. fencing of sufficient height and depth, being a minimum height of 1.8m and minimum depth of 0.2m, is provided to prevent animals escaping.</p>							
Dwelling house⁽²²⁾							
<p>PO58</p> <p>Development does not result in residential density exceeding more than one dwelling house⁽²²⁾ per lot.</p>	<p>E58</p> <p>Residential density does not exceed one dwelling house⁽²²⁾ per lot.</p>						
<p>PO59</p> <p>Building and roofed structure height:</p> <p>a. is consistent with the low rise built form and open area character and amenity values anticipated in the Rural residential zone;</p> <p>b. does not unduly impact on access to sunlight, overshadowing or privacy experienced by adjoining properties;</p> <p>c. is not visually dominant or overbearing;</p> <p>d. does not adversely affect the operation of aviation facilities at Mt Glorious (See Overlay map - Infrastructure buffers) by adopting design or on-site management measures that:</p> <p>i. ensures a physical line-of-sight between transmitting or receiving devices.</p> <p>ii. ensure electromagnetic fields do not interfere with the functioning of the aviation facility.</p>	<p>E59</p> <p>Building height for a dwelling house⁽²²⁾ does not exceed:</p> <p>a. that on Overlay map - Building heights for dwelling houses⁽²²⁾; or</p> <p>b. for domestic outbuildings and free standing carports and garages, building height does not exceed 4.5m.</p>						
<p>PO60</p> <p>Setbacks:</p> <p>a. are sufficient to minimise overlooking and maintain privacy of adjoining properties;</p> <p>b. create sufficient separation to ensure buildings are not visually dominant or overbearing with respect to the low density character and amenity anticipated in the Rural residential zone.</p>	<p>E60</p> <p>Setbacks (including domestic outbuildings) comply with the following:</p> <p>a. Road boundary - 6m</p> <p>b. Side and rear boundary:</p> <table border="1" data-bbox="810 1845 1465 2056"> <thead> <tr> <th>Height of wall</th> <th>Minimum setback from side or rear boundary</th> </tr> </thead> <tbody> <tr> <td>3m or less</td> <td>1.5m</td> </tr> <tr> <td>Greater than 3m to 4.5m</td> <td>2m</td> </tr> </tbody> </table>	Height of wall	Minimum setback from side or rear boundary	3m or less	1.5m	Greater than 3m to 4.5m	2m
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3m or less	1.5m						
Greater than 3m to 4.5m	2m						

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	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">Greater than 4.5m</td> <td style="width: 50%; text-align: center;">4m</td> </tr> </table> <p>Note - For building work associated with a dwelling house, this is an alternative provision to the QDC, part MP1.2, A1 (a), (b) and (c), A2 (a), (b) and (d) and is a concurrence agency issue.</p>	Greater than 4.5m	4m
Greater than 4.5m	4m		
<p>PO61</p> <p>All buildings, structures, associated facilities and infrastructure are contained within an approved development footprint. Development outside of an approved development footprint must:</p> <ol style="list-style-type: none"> a. not be subject to a development constraint such as, but not limited to, bushfire, flood, steep slope, waterway setbacks and significant vegetation; and b. development does not result in any instability, erosion or degradation of land, water, soil resource or loss of natural, ecological or biological values. 	<p>E61</p> <p>Where a development footprint has been identified as part of a development approval for reconfiguring a lot, all development occurs within a development footprint.</p>		
<p>PO62</p> <p>Development is designed to respond to sloping topography in the siting, design and form of buildings and structures by:</p> <ol style="list-style-type: none"> a. minimising 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; and c. minimising any impact on the landscape character of the Rural residential zone; d. protecting the amenity of adjoining properties. 	<p>E62</p> <p>Building and site design on slope between 10% and 15% must:</p> <ol style="list-style-type: none"> a. use split-level, multiple-slab, pier or pole construction; b. avoid single-plane, and benching; c. ensure the height of any cut or fill, whether retained or not, does not exceed 900mm. 		
<p>PO63</p> <p>For those properties within the catchments of Lake Samsonvale or Lake Kurwongbah, dwelling houses⁽²²⁾, outbuildings and their associated waste/effluent disposal areas are positioned in a manner which avoids adverse impacts on the water quality of those lakes.</p>	<p>E63.1</p> <p>For Lake Samsonvale or Lake Kurwongbah, a setback of no less than 400m is maintained between the following nominated full supply levels to those lakes and any Dwelling house or outbuilding on the land:-</p> <ol style="list-style-type: none"> a. RL 39.63m AHD being the full supply level of Lake Samsonvale; and b. RL 21m AHD being the full supply level of Lake Kurwongbah. <p>OR</p>		

	<p>No part of any Dwelling house⁽²²⁾ or outbuilding on Lot 5 RP111651 or Lot RP111653 is any closer than 80m to the full supply level of RL 21m AHD to Lake Kurwongbah.</p> <p>Editor's Note - The 400m buffer around Lake Samsonvale and Lake Kurwongbah is shown on Overlay map - Infrastructure buffers.</p> <p>E63.2</p> <p>Waste/effluent disposal systems are located at least:-</p> <ol style="list-style-type: none"> 80m from the full supply level of RL 21m AHD to Lake Kurwongbah on Lot 5 RP111651 or Lot 10 RP111653; and 400m from RL 39.63m AHD being the full supply level of Lake Samsonvale and RL 21m AHD being the full supply level to Lake Kurwongbah. <p>Editor's Note - The 400m buffer around Lake Samsonvale and Lake Kurwongbah is shown on Overlay map - Infrastructure buffers.</p>
Dwelling house⁽²²⁾ where including a secondary dwelling	
<p>PO64</p> <p>Dwelling house⁽²²⁾ where including a secondary dwelling:</p> <ol style="list-style-type: none"> remains subordinate to the principal dwelling; has a maximum GFA of 100m². retains its connection with the principal dwelling by: <ol style="list-style-type: none"> avoiding the establishment of a separate access; and being located within 50m of the principal dwelling house⁽²²⁾; a size, scale and design that is not visually dominant, overbearing and inconsistent with the low density, low rise built form and open area character anticipated in a Rural residential area. 	<p>E64</p> <p>Dwelling house⁽²²⁾ where including a secondary dwelling:</p> <ol style="list-style-type: none"> has a maximum GFA of 100m². obtains access from the existing driveway giving access to the dwelling house⁽²²⁾. is located within 50m from the principal dwelling house⁽²²⁾. <p>Note - The requirements to locate a Secondary dwelling within 50m of the primary dwelling is measured from the outermost projection of the primary dwelling (being the main house, excluding domestic outbuildings) to the outermost projection of the Secondary dwelling. The entire Secondary dwelling does not need to be contained within the specified distance.</p>
Home based business⁽³⁵⁾	
<p>PO65</p> <p>Home based business(s)⁽³⁵⁾:</p> <ol style="list-style-type: none"> is subordinate in size and function to the primary use on the site being a permanent residence; are of a scale and intensity that does not result in adverse visual or nuisance impacts on the residents in adjoining or nearby dwellings; 	<p>E65.1</p> <p>The home based business(s)⁽³⁵⁾, including any storage, are fully enclosed within a dwelling or on-site structure.</p> <p>E65.2</p>

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<p>c. store no more heavy vehicles, trailer and motor vehicle on-site, as follows:</p> <ul style="list-style-type: none"> i. 1 heavy vehicle; ii. 1 trailer; iii. Up to 3 motor vehicles. <p>d. results in a vehicular and pedestrian traffic generation consistent with that reasonably expected in the surrounding low density, low built form and open area character and amenity anticipated in the Rural residential zone;</p> <p>e. are suitably screened to ensure adverse visual impacts on the residents in adjoining or nearby dwellings are minimised;</p> <p>f. sufficiently separated from adjoining properties so development does not result in adverse visual, noise, or nuisance impacts on adjoining residents.</p>	<p>Up to 2 additional non-resident, either employees or customers, are permitted on the site at any one time, except where involving the use of heavy vehicles, where no employees are permitted.</p> <p>E65.3</p> <p>The maximum number of heavy vehicles, trailer and motor vehicles stored on-site is as follows:</p> <ul style="list-style-type: none"> i. 1 heavy vehicle; ii. 1 trailer; iii. Up to 3 motor vehicles. <p>E65.4</p> <p>Vehicle parking areas, vehicle standing areas and outdoor storage areas of plant and equipment are screened from adjoining lots by either planting, wall(s), fence(s) or a combination at least 1.8m in height along the length of those areas.</p> <p>E65.5</p> <p>Heavy vehicle storage buildings, parking areas and standing areas are setback a minimum of 30m from all property boundaries.</p>
<p>PO66</p> <p>The hours of operation for home based business(s)⁽³⁵⁾ are managed so that the activity does not adversely impact on the low intensity character and amenity anticipated in the Rural residential zone.</p>	<p>E66</p> <p>Hours of operation to be restricted to 8.00am to 6.00pm Monday to Saturday and are not open to the public on Sunday's, Christmas Day, Good Friday and Anzac Day, except for:</p> <ul style="list-style-type: none"> a. bed and breakfast or farm stay business which may operate on a 24 hour basis, b. office or administrative activities that do not generate non-residents visiting the site such as book keeping and computer work, and c. starting and warming up of heavy vehicles, which can commence at 7.00am.
<p>PO67</p> <p>Home based business⁽³⁵⁾ does not result in:</p> <ul style="list-style-type: none"> a. an adverse visual, odour, particle drift or noise nuisance impact on the residents in adjoining or nearby dwellings; 	<p>E67.1</p> <p>The use does not involve heavy vehicle servicing or major repairs, including spray painting or panel.</p> <p>E67.2</p> <p>Home based business(s)⁽³⁵⁾ do not comprise an environmentally relevant activity (ERA) as defined in the <i>Environmental Protection Regulation 2008</i>.</p>

<p>b. an adverse impact upon the low intensity and open area character and amenity anticipated in the locality;</p> <p>c. The establishment of vehicle servicing or major repairs, spray painting, panel beating or any environmentally relevant activity (ERA).</p>	<p>E67.3</p> <p>Home based business(s)⁽³⁵⁾ do not generate noise that is audible from the boundary of the site.</p>
<p>PO68</p> <p>On-site display and sales of goods is limited to the activities being undertaken from the site and does not result in:</p> <p>a. the display and sale of goods being viewed from outside of the site;</p> <p>b. overall development on the site having a predominantly commercial appearance.</p>	<p>E68.1</p> <p>Only goods grown, produced or manufactured on-site are sold from the site.</p> <p>E68.2</p> <p>Display of goods grown, produced or manufactured on-site are contained within a dwelling or on-site structure and the display of goods is not visible from the boundary of the site.</p>
<p>PO69</p> <p>Bed and breakfast and farmstays are of a size and scale that:</p> <p>a. are consistent with the low intensity, open area character and amenity of the rural residential area;</p> <p>b. ensures acceptable levels of privacy and amenity for the residents in adjoining or nearby dwellings.</p>	<p>E69</p> <p>For bed and breakfast and farmstays-</p> <p>a. short-term accommodation⁽⁷⁷⁾ is provided in the dwelling house⁽²²⁾ of the accommodation operator.</p> <p>b. maximum 4 bedrooms are provided for a maximum of 10 guests.</p> <p>c. meals are served to paying guests only</p> <p>d. rooms do not contain food preparation facilities.</p>
<p>Major electricity infrastructure⁽⁴³⁾, Substation⁽⁸⁰⁾ and Utility installation⁽⁸⁶⁾</p>	
<p>PO70</p> <p>The development does not have an adverse impact on the visual amenity of a locality and is:</p> <p>a. high quality design and construction;</p> <p>b. visually integrated with the surrounding area;</p> <p>c. not visually dominant or intrusive;</p> <p>d. located behind the main building line;</p> <p>e. below the level of the predominant tree canopy or the level of the surrounding buildings and structures;</p> <p>f. camouflaged through the use of colours and materials which blend into the landscape;</p> <p>g. treated to eliminate glare and reflectivity;</p> <p>h. landscaped;</p> <p>i. otherwise consistent with the amenity and character of the zone and surrounding area.</p>	<p>E70.1</p> <p>Development is designed to minimise surrounding land use conflicts by ensuring infrastructure, buildings, structures and other equipment:</p> <p>a. are enclosed within buildings or structures;</p> <p>b. are located behind the main building line;</p> <p>c. have a similar height, bulk and scale to the surrounding fabric;</p> <p>d. have horizontal and vertical articulation applied to all exterior walls.</p> <p>E70.2</p> <p>A minimum 3m wide strip of dense planting is provided around the outside of the fenced area, between the development and street frontage, side and rear boundaries.</p>
<p>PO71</p>	<p>E71</p>

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<p>Infrastructure does not have an impact on pedestrian health and safety.</p>	<p>Access control arrangements:</p> <ol style="list-style-type: none"> do not create dead-ends or dark alleyways adjacent to the infrastructure; minimise the number and width of crossovers and entry points; provide safe vehicular access to the site; do not utilise barbed wire or razor wire.
<p>PO72</p> <p>All activities associated with the development occur within an environment incorporating sufficient controls to ensure the facility:</p> <ol style="list-style-type: none"> generates no audible sound at the site boundaries where in a residential setting; or meet the objectives as set out in the Environmental Protection (Noise) Policy 2008. 	<p>E72</p> <p>All equipment which produces audible or non-audible sound is housed within a fully enclosed building incorporating sound control measures sufficient to ensure noise emissions meet the objectives as set out in the Environmental Protection (Noise) Policy 2008.</p>
<p>Non-resident workforce accommodation⁽⁵²⁾</p>	
<p>PO73</p> <p>Development associated with non-resident workforce accommodation⁽⁵²⁾:</p> <ol style="list-style-type: none"> provides accommodation for rural workers only and is not advertised or used for the purpose of accommodating general travellers or tourists; and is not, or does not act, as a permanent place of residence for persons where a typical period of time does not exceed 3 consecutive months. 	<p>No example provided.</p>
<p>PO74</p> <p>Development associated with non-resident workforce accommodation⁽⁵²⁾:</p> <ol style="list-style-type: none"> is of a size, scale, intensity and design that minimises the potential for adverse noise, visual, privacy and traffic impacts on adjoining or nearby residents; is of a size, scale, intensity and design that is consistent with the low intensity, low-set built form and open area character and amenity anticipated for the Rural residential zone; and provides suitable open space, buildings and facilities that meet the recreational, social and amenity needs of people staying on-site; provides landscape buffer along adjoining property boundaries to fully screen activities occurring on the site. 	<p>No example provided.</p>
<p>PO75</p>	<p>No example provided.</p>

<p>Where located within the buffer around Lake Samsonvale or Lake Kurwongbah, non-resident workforce buildings and their associated waste/effluent disposal areas are positioned in a manner which avoids adverse impacts on the water quality of those lakes.</p> <p>Editor's note - The 400m buffer around Lake Samsonvale and Lake Kurwongbah is shown on Overlay map - Infrastructure buffers</p>	
Permanent plantation⁽⁵⁹⁾	
<p>PO76</p> <p>Planting for permanent plantation⁽⁵⁹⁾ purposes:</p> <ol style="list-style-type: none"> a. only comprises native species naturally occurring in the area; b. is sufficiently set back from property boundaries to avoid adverse impacts on adjoining properties such as shading, fire risk, health and safety. 	<p>E76</p> <p>Planting only comprises native species naturally occurring in the area.</p>
Retail and commercial activities and Community activities groups	
<p>PO77</p> <p>The number of car parking spaces is managed to:</p> <ol style="list-style-type: none"> a. avoid significant impacts on the safety and efficiency of the road network; b. avoid an oversupply of car parking spaces; c. avoid the visual impacts of large areas of open car parking from road frontages and public areas; d. promote active and public transport options; e. promote innovative solutions, including on-street parking and shared parking areas. 	<p>E77.1</p> <p>Car parking is provided in accordance with Schedule 7 - Car parking.</p> <p>Note - The above rates exclude car parking spaces for people with a disability required by Disability Discrimination Act 1992 or the relevant disability discrimination legislation and standards.</p> <hr/> <p>E77.2</p> <p>All car parking areas are designed and constructed in accordance with Australian Standard AS/NZS2890.1 Parking facilities Part 1: Off-street car parking and Planning scheme policy - Integrated design.</p>
<p>PO78</p> <p>Bins and bin storage areas are provided, designed and managed in accordance with Planning scheme policy - Waste.</p>	<p>E78</p> <p>Development is designed to meet the criteria in the Planning scheme policy - Waste and is demonstrated in a waste management program.</p>
<p>PO79</p> <p>On-site landscaping is provided that:</p> <ol style="list-style-type: none"> a. is incorporated into the design of the development; b. reduces the dominance of car parking and servicing areas from the street frontage; c. retains mature trees wherever possible; 	<p>No example provided.</p>

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<p>d. does not create safety or security issues by creating potential concealment areas or interfering with sightlines;</p> <p>e. maintains the achievement of active frontages and sightlines for casual surveillance.</p> <p>Note - All landscaping is to accord with Planning scheme policy - Integrated design.</p>	
<p>PO80</p> <p>New Community activities group uses may establish where they:</p> <p>a. immediately adjoin Community activities and neighbourhood hubs;</p> <p>b. are located on allotments that have appropriate area and dimensions for the sitting of:</p> <p>i. buildings and structures;</p> <p>ii. vehicle servicing, deliveries, parking, manoeuvring and circulation;</p> <p>iii. landscaping and open space including buffering.</p> <p>c. of a small scale and low built form, having regard to the surrounding character;</p> <p>d. do not result in nuisance impacts upon adjoining residents or the streetscape.</p>	<p>No example provided.</p>
<p>Roadside stall⁽⁶⁸⁾</p>	
<p>PO81</p> <p>A roadside stall⁽⁶⁸⁾:</p> <p>a. comprises only one roadside stall⁽⁶⁸⁾ per property;</p> <p>b. only offers goods grown, produced or manufactured on the site;</p> <p>c. is of a size and in a location that will not result in nuisance, or have a significant adverse impact on the amenity, for residents on adjoining and surrounding properties.</p>	<p>E81</p> <p>For a roadside stall⁽⁶⁸⁾:</p> <p>a. no more than one roadside stall⁽⁶⁸⁾ per property;</p> <p>b. goods offered for sale are only goods grown, produced or manufactured on the site;</p> <p>c. the maximum area associated with a roadside stall⁽⁶⁸⁾, including any larger separate items displayed for sale, does not exceed 20m².</p>
<p>PO82</p> <p>A roadside stall⁽⁶⁸⁾ is designed and located to:</p> <p>a. ensure safe and accessible access, egress and on-site parking;</p> <p>b. ensure safe and efficient functioning of roads.</p>	<p>E82</p> <p>Roadside stall⁽⁶⁸⁾:</p> <p>a. provide car parking for 2 vehicles off the road carriage and located on the property;</p> <p>b. is located no closer than 100m from an intersection.</p>
<p>Rural industry⁽⁷⁰⁾</p>	

<p>PO83</p> <p>Rural industry⁽⁷⁰⁾:</p> <ul style="list-style-type: none"> a. adopt construction materials and use of colour for buildings and structures are visually compatible with the rural residential character and amenity; b. is of a size, scale and design that is not visually dominant, overbearing and inconsistent with the low intensity built form and open area character and amenity of the rural residential environment. 	No example provided.
Rural workers' accommodation⁽⁷¹⁾	
<p>PO84</p> <p>Rural workers accommodation⁽⁷¹⁾:</p> <ul style="list-style-type: none"> a. provide quarters only for staff employed to work the land for rural purposes; b. is of a size, scale and design not visually dominant, overbearing and inconsistent with detached, low density, open area character and low intensity built form anticipated in the Rural zone; c. is screened and landscaped in a manner so it is not visible from a road; d. is of a size, scale, intensity and design that minimises the potential for adverse noise, visual, privacy and traffic impacts on adjoining or nearby residents e. where located within the catchments of Lake Samsonvale or Lake Kurwongbah, non-resident workforce buildings and their associated waste/effluent disposal areas are positioned in a manner which avoids adverse impacts on the water quality of those lakes. 	No example provided.
Sales office⁽⁷²⁾	
<p>PO85</p> <p>Sales office⁽⁷²⁾ remain temporary in duration and retain a physical connection to land or building being displayed or sold.</p>	<p>E85</p> <p>Development is carried out for no longer than 2 years.</p>
Telecommunications facility⁽⁸¹⁾	
<p>Editor's note - In accordance with the Federal legislation Telecommunications facilities ⁽⁸¹⁾ must be constructed and operated in a manner that will not cause human exposure to electromagnetic radiation beyond the limits outlined in the Radiocommunications (Electromagnetic Radiation - Human Exposure) Standard 2003 and Radio Protection Standard for Maximum Exposure Levels to Radiofrequency Fields - 3Khz to 300Ghz.</p>	
<p>PO86</p>	<p>E86.1</p>

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<p>Telecommunications facilities⁽⁸¹⁾ are co-located with existing telecommunications facilities⁽⁸¹⁾, Utility installation⁽⁸⁶⁾, Major electricity infrastructure⁽⁴³⁾ or Substation⁽⁸⁰⁾ if there is already a facility in the same coverage area.</p>	<p>New telecommunication facilities⁽⁸¹⁾ are co-located on existing towers with new equipment shelter and associated structures positioned adjacent to the existing shelters and structures.</p>
<p>PO87</p> <p>A new Telecommunications facility⁽⁸¹⁾ is designed and constructed to ensure co-masting or co-siting with other carriers both on the tower or pole and at ground level is possible in the future.</p>	<p>E86.2</p> <p>If not co-located with an existing facility, all co-location opportunities have been investigated and fully exhausted within a 2km radius of the site.</p>
<p>PO88</p> <p>Telecommunications facilities⁽⁸¹⁾ do not conflict with lawful existing land uses both on and adjoining the site.</p>	<p>E87</p> <p>A minimum area of 45m² is available to allow for additional equipment shelters and associated structures for the purpose of co-locating on the proposed facility.</p>
<p>PO89</p> <p>The Telecommunications facility⁽⁸¹⁾ does not have an adverse impact on the visual amenity of a locality and is:</p> <ol style="list-style-type: none"> high quality design and construction; visually integrated with the surrounding area; not visually dominant or intrusive; located behind the main building line; below the level of the predominant tree canopy or the level of the surrounding buildings and structures; camouflaged through the use of colours and materials which blend into the landscape; treated to eliminate glare and reflectivity; landscaped; otherwise consistent with the amenity and character of the zone and surrounding area. 	<p>E88</p> <p>The development results in no net reduction in the minimum quantity and standard of landscaping, private or communal open space or car parking spaces required under the planning scheme or under an existing development approval.</p> <p>E89.1</p> <p>Where in an urban area, the development does not protrude more than 5m above the level of the existing treeline, prominent ridgeline or building rooftops in the surrounding townscape.</p> <p>E89.2</p> <p>In all other areas towers do not exceed 35m in height.</p> <p>E89.3</p> <p>Towers, equipment shelters and associated structures are of a design, colour and material to:</p> <ol style="list-style-type: none"> reduce recognition in the landscape; reduce glare and reflectivity. <p>E89.4</p> <p>All structures and buildings are setback behind the main building line and a minimum of 10m from side and rear boundaries, except where in the Industry and Extractive industry zones, the minimum side and rear setback is 3m.</p> <p>Where there is no established building line the facility is located at the rear of the site.</p>

	<p>E89.5</p> <p>The facility is enclosed by security fencing or by other means to ensure public access is prohibited.</p>
	<p>E89.6</p> <p>A minimum 3m wide strip of dense planting is provided around the perimeter of the fenced area, between the facility and street frontage and adjoining uses.</p> <p>Note - Landscaping is provided in accordance with Planning scheme policy - Integrated design.</p> <p>Note - Council may require a detailed landscaping plan, prepared by a suitably qualified person, to ensure compliance with Planning scheme policy - Integrated design.</p>
<p>PO90</p> <p>Lawful access is maintained to the site at all times that does not alter the amenity of the landscape or surrounding uses.</p>	<p>E90</p> <p>An Access and Landscape Plan demonstrates how 24 hour vehicular access will be obtained and maintained to the facility in a manner that is appropriate to the site's context.</p>
<p>PO91</p> <p>All activities associated with the development occur within an environment incorporating sufficient controls to ensure the facility generates no audible sound at the site boundaries where in a residential setting.</p>	<p>E91</p> <p>All equipment comprising the Telecommunications facility⁽⁸¹⁾ which produces audible or non-audible sound is housed within a fully enclosed building incorporating sound control measures sufficient to ensure no noise from this equipment can be heard, or felt at the site boundary.</p>
<p>Wholesale nursery⁽⁸⁹⁾</p>	
<p>PO92</p> <p>Buildings and activities associated with a wholesale nursery⁽⁸⁹⁾:</p> <ol style="list-style-type: none"> a. ensures the propagation of plants, whether or not in the open, occur without loss of amenity to adjacent properties; b. do not result in any form of environmental degradation, including, but not limited to, soil degradation, pollution of natural water courses and introduction of exotic plant species into the natural on-site or adjoining flora; c. are landscaped, fenced and screened in a manner to reduce the visual appear of buildings, structures, storage and parking areas; d. have vehicle access from a road classified as a State Arterial, Arterial or Sub-Arterial (refer Overlay map - Road hierarchy). 	<p>No example provided.</p>

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Veterinary services⁽⁸⁷⁾	
<p>PO93</p> <p>Buildings and activities associated with veterinary services⁽⁸⁷⁾:</p> <ol style="list-style-type: none"> are for veterinary care, surgery and treatment of animals only; and are landscaped, fenced and screened in a manner to reduce the visual appear of buildings, structures, storage and parking areas; have vehicle access from a road classified as a State Arterial, Arterial or Sub-Arterial (refer Overlay map - Road hierarchy). 	No example provided.
Winery⁽⁹⁰⁾	
<p>PO94</p> <p>Buildings and activities associated with winery⁽⁹⁰⁾:</p> <ol style="list-style-type: none"> are for a winery⁽⁹⁰⁾ and ancillary activities only. Uses not affiliated with winery⁽⁹⁰⁾ activities, or the sale of products produced or manufactured on-site, are avoided; are landscaped, fenced and screened in a manner to reduce the visual appear of buildings, structures, storage and parking areas; have vehicle access from a road classified as a State Arterial, Arterial or Sub-Arterial (Overlay map - Road hierarchy). 	No example provided.
Values and constraints criteria	
<p>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.</p>	
Acid sulfate soils - (refer Overlay map - Acid sulfate soils to determine if the following assessment criteria apply)	
<p>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.</p>	
<p>PO95</p> <p>Development avoids disturbing acid sulfate soils. Where development disturbs acid sulfate soils, development:</p>	<p>E95</p> <p>Development does not involve:</p>

<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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.
<p>Bushfire hazard (refer Overlay map - Bushfire hazard to determine if the following assessment criteria apply)</p> <p>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.</p> <p>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.</p>	
<p>PO96</p> <p>Development:</p> <ul style="list-style-type: none"> 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 bushfire; 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. 	<p>E96.1</p> <p>Buildings and structures are:</p> <ul style="list-style-type: none"> 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. <p>E96.2</p> <p>Buildings and structures have contained within the site:</p> <ul style="list-style-type: none"> a. 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; b. 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; c. 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%: <ul style="list-style-type: none"> i. to, and around, each building and other roofed structure; and ii. to each fire fighting water supply extraction point.

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	<p>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</p>
<p>PO97</p> <p>Development and associated driveways and access ways:</p> <ol style="list-style-type: none"> avoid potential for entrapment during a bushfire; ensure safe and effective access for emergency services during a bushfire; enable safe evacuation for occupants of a site during a bushfire. 	<p>E97</p> <p>A length of driveway:</p> <ol style="list-style-type: none"> 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; has a maximum gradient no greater than 12.5%; have a minimum width of 3.5m; accommodate turning areas for fire fighting appliances in accordance with Qld Fire and Emergency Services' Fire Hydrant and Vehicle Access Guideline.
<p>PO98</p> <p>Development provides an adequate water supply for fire-fighting purposes.</p>	<p>E98</p> <ol style="list-style-type: none"> a reticulated water supply is provided by a distributor retailer for the area or; 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. 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. Where a tank is the nominated on-site fire fighting water storage source, it includes: <ol style="list-style-type: none"> 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.
<p>PO99</p> <p>Development:</p> <ol style="list-style-type: none"> does not present unacceptable risk to people or environment due to the impact of bushfire on dangerous goods or combustible liquids; does not present danger or difficulty to emergency services for emergency response or evacuation. <p>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.</p>	<p>E99</p> <p>Development does not involve the manufacture or storage of hazardous chemicals.</p>

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 connectivity

PO100

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

No example provided.

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<p>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*.</p> <p>* Editor's note - This is not a requirement for an environmental offset under the Environmental Offsets Act 2014.</p>	
<p>PO101</p> <p>Development provides for safe, unimpeded, convenient and ongoing wildlife movement and establishes and maintains habitat connectivity by:</p> <ol style="list-style-type: none"> retaining habitat trees; providing contiguous patches of habitat; provide replacement and rehabilitation planting to improve connectivity; avoiding the creation of fragmented and isolated patches of habitat; providing wildlife movement infrastructure. <p>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.</p>	<p>No example provided.</p>
<p>Vegetation clearing and habitat protection</p>	
<p>PO102</p> <p>Development ensures that the biodiversity quality and integrity of habitats is not adversely impacted upon but maintained and protected.</p>	<p>No example provided.</p>
<p>PO103</p> <p>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:</p> <ol style="list-style-type: none"> 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. 	<p>No example provided.</p>

<p>PO104</p> <p>Development ensures safe, unimpeded, convenient and ongoing wildlife movement and habitat connectivity by:</p> <ol style="list-style-type: none"> 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. 	No example provided.
Vegetation clearing and soil resource stability	
<p>PO105</p> <p>Development does not:</p> <ol style="list-style-type: none"> result in soil erosion or land degradation; leave cleared land exposed for an unreasonable period of time but is rehabilitated in a timely manner. 	No example provided.
Vegetation clearing and water quality	
<p>PO106</p> <p>Development maintains or improves the quality of groundwater and surface water within, and downstream, of a site by:</p> <ol style="list-style-type: none"> 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. 	No example provided.
<p>PO107</p> <p>Development minimises adverse impacts of stormwater run-off on water quality by:</p> <ol style="list-style-type: none"> minimising flow velocity to reduce erosion; minimising hard surface areas; maximising the use of permeable surfaces; incorporating sediment retention devices; minimising channelled flow. 	No example provided.
Vegetation clearing and access, edge effects and urban heat island effects	
<p>PO108</p> <p>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.</p>	No example provided.

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<p>PO109</p> <p>Development minimises potential adverse ‘edge effects’ on ecological values by:</p> <ol style="list-style-type: none"> providing dense planting buffers of native vegetation between a development and environmental areas; retaining patches of native vegetation of greatest possible size where located between a development and environmental areas ; restoring, rehabilitating and increasing the size of existing patches of native vegetation; ensuring that buildings and access (public and vehicle) are setback as far as possible from environmental areas and corridors; landscaping with native plants of local origin. <p>Editor's note - Edge effects are factors of development that go 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.</p>	<p>No example provided.</p>
<p>PO110</p> <p>Development avoids adverse microclimate change and does not result in increased urban heat island effects. Adverse urban heat island effects are minimised by:</p> <ol style="list-style-type: none"> 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. 	<p>No example provided.</p>
<p>Vegetation clearing and Matters of Local Environmental Significance (MLES) environmental offsets</p>	
<p>PO111</p> <p>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.</p> <p>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.</p>	<p>No example provided.</p>
<p>Extractive resources separation area (refer Overlay map - Extractive resources (separation area) to determine if the following assessment criteria apply)</p> <p>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.</p>	

<p>PO112</p> <p>Development does not increase the number of people living in the Extractive Resources separation area.</p>	<p>E112</p> <p>Development does not result in more than one dwelling house⁽²²⁾ per lot within separation areas.</p>
<p>PO113</p> <p>Development:</p> <ol style="list-style-type: none"> does not introduce or increase uses that are sensitive to the impacts of an Extractive industry⁽²⁷⁾; is compatible with the operation of an Extractive industry⁽²⁷⁾; 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. 	<p>E113</p> <p>Development within the separation area does not include the following uses:</p> <ol style="list-style-type: none"> caretaker's accommodation⁽¹⁰⁾; community residence⁽¹⁶⁾; dual occupancy⁽²¹⁾; dwelling unit⁽²³⁾; hospital⁽³⁶⁾; rooming accommodation⁽⁶⁹⁾; multiple dwelling⁽⁴⁹⁾; non-resident workforce accommodation⁽⁵²⁾; relocatable home park⁽⁶²⁾; residential care facility⁽⁶⁵⁾; resort complex⁽⁶⁶⁾; retirement facility⁽⁶⁷⁾; rural workers' accommodation⁽⁷¹⁾; short-term accommodation⁽⁷⁷⁾; tourist park⁽⁸⁴⁾.
<p>PO114</p> <p>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.</p>	<p>E114</p> <p>All habitable rooms within the separation area are:</p> <ol style="list-style-type: none"> acoustically insulated to achieve the noise levels listed in Schedule 1 Acoustic Quality Objectives, Environmental Protection (Noise) Policy 2008; provided with mechanical ventilation.
<p>PO115</p> <p>Development provides open space areas for passive recreation in a manner where impacts from key extractive/processing activities, particularly noise, is minimised.</p>	<p>E115</p> <p>Private open space areas are separated from the resource processing area by buildings or a 1.8m high solid structure.</p>
<p>Extractive resources transport route (refer Overlay map - Extractive resources (transport route and buffer) to determine if the following assessment criteria apply)</p>	
<p>PO116</p> <p>Development:</p> <ol style="list-style-type: none"> does not increase in the number of people living in close proximity to a transport route and being subject to the adverse effects from the transportation route; 	<p>E116</p> <p>The following uses are not located within the 100m wide transport route buffer:</p> <ol style="list-style-type: none"> Caretaker's accommodation⁽¹⁰⁾, except where located in the Extractive industry zone; Community residence⁽¹⁶⁾;

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<p>b. does not result in the establishment of uses that are incompatible with the operation of Extractive resources transport routes;</p> <p>c. adopts design and location measures to satisfactorily mitigate the potential adverse impacts associated with transportation routes on sensitive land uses. Such measures include, but are not limited to:</p> <ul style="list-style-type: none"> i. locating the furthest distance possible from the transportation route; ii. habitable rooms being located the furthest from the transportation route; iii. shielding and screening private outdoor recreation space from the transportation routes. 	<ul style="list-style-type: none"> 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⁾.
<p>PO117</p> <p>Development:</p> <ul style="list-style-type: none"> a. does not adversely impact upon the efficient and effective transportation of extractive material along a transportation route; b. ensures vehicle access and egress along transportation routes are designed and located to achieve a high degree of safety, having good visibility; c. utilises existing vehicle access points and where existing vehicle access points are sub-standard or poorly formed, they are upgraded to an appropriate standard. 	<p>E117.1</p> <p>Development does not create a new vehicle access point onto an Extractive resources transport route.</p> <hr/> <p>E117.2</p> <p>A vehicle access point is located, designed and constructed in accordance with Planning scheme policy - Integrated design.</p>
<p>Heritage and landscape character (refer Overlay map - Heritage and landscape character to determine if the following assessment criteria apply)</p> <p>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.</p> <p>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.</p> <p>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.</p>	
<p>PO118</p> <p>Development will:</p> <ul style="list-style-type: none"> a. not diminish or cause irreversible damage to the cultural heritage values present on the site, and associated with a heritage site, object or building; b. protect the fabric and setting of the heritage site, object or building; c. be consistent with the form, scale and style of the heritage site, object or building; 	<p>E118</p> <p>Development is for the preservation, maintenance, repair and restoration of a site, object or building of cultural heritage value.</p> <p>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</p>

<ul style="list-style-type: none"> d. utilise similar materials to those existing, or where this is not reasonable or practicable, neutral materials and finishes; e. incorporate complementary elements, detailing and ornamentation to those present on the heritage site, object or building; f. retain public access where this is currently provided. 	<p>plan is sent to, and approved by Council prior to the commencement of any preservation, maintenance, repair and restoration works.</p>
<p>PO119</p> <p>Demolition and removal is only considered where:</p> <ul style="list-style-type: none"> 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. demolition is confined to the removal of outbuildings, extensions and alterations that are not part of the original structure; or c. limited demolition is performed in the course of repairs, maintenance or restoration; or d. demolition is performed following a catastrophic event which substantially destroys the building or object. 	<p>No example provided.</p>
<p>PO120</p> <p>Where development is occurring on land adjoining a site of cultural heritage value, the development is to be sympathetic to and consistent with the cultural heritage values present on the site and not result in their values being eroded, degraded or unreasonably obscured from public view.</p>	<p>No example provided.</p>
<p>PO121</p> <p>Development does not adversely impact upon the health and vitality of significant trees. Where development occurs in proximity to 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.</p> <p>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.</p>	<p>E121</p> <p>Development does:</p> <ul style="list-style-type: none"> a. not result in the removal of a significant tree; 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.
<p>Landslide hazard (refer Overlay map - Landslide hazard to determine if the following assessment criteria apply)</p> <p>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.</p>	

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<p>PO122</p> <p>Development:</p> <ul style="list-style-type: none"> 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 alteration of the existing flow of surface or groundwater e. minimises adverse visual impacts on the amenity of adjoining residents and provides a positive interface with the streetscape. 	<p>E122</p> <p>Development does not:</p> <ul style="list-style-type: none"> 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.
<p>PO123</p> <p>Buildings are designed to respond to sloping topography in the siting, design and form of buildings and structures by:</p> <ul style="list-style-type: none"> 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. 	<p>E123</p> <p>Buildings, excluding domestic outbuildings:</p> <ul style="list-style-type: none"> a. are split-level, multiple-slab, pier or pole construction; b. are not single plane slab on ground.
<p>PO124</p> <p>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:</p> <ul style="list-style-type: none"> 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. 	<p>E124</p> <p>Development does not involve the manufacture, handling or storage of hazardous chemicals.</p>
<p>Infrastructure buffers (refer Overlay map - Infrastructure buffers to determine if the following assessment criteria apply)</p>	
<p>PO125</p>	<p>E125</p> <p>The following uses are not located within a wastewater treatment site buffer:</p>

<p>Odour sensitive development is separated from Wastewater treatment plants so they are not adversely affected by odour emission or other air pollutant impacts.</p>	<ul style="list-style-type: none"> 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⁾.
<p>PO126</p> <p>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.</p>	<p>E126.1</p> <p>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.</p>
	<p>E126.2</p> <p>Incineration or burial of waste within a Water supply buffer is not undertaken onsite.</p>
	<p>E126.3</p> <p>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.</p>
	<p>E126.4</p> <p>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.</p>
	<p>E126.5</p> <p>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.</p>
<p>PO127</p> <p>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.</p>	<p>E127</p> <p>Secondary treated wastewater treatment systems within a Water supply buffer include:</p>

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<p>Editor's Note - For guidance refer to the Seq water Development Guidelines: Development Guidelines for Water Quality Management in Drinking Water Catchments 2012.</p>	<ul style="list-style-type: none"> 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; b. back up pump installation and backup power; c. MEDLI modelling to determine irrigation rates and sizing of irrigation areas; 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.
<p>PO128</p> <p>Development within a Bulk water supply infrastructure buffer is located, designed and constructed to:</p> <ul style="list-style-type: none"> 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; 	<p>E128</p> <p>Development:</p> <ul style="list-style-type: none"> 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.
<p>PO129</p> <p>Development is located and designed to maintain required access to Bulk water supply infrastructure.</p>	<p>E129</p> <p>Development does not restrict access to Bulk water supply infrastructure of any type or size, having regard to (among other things):</p> <ul style="list-style-type: none"> a. buildings or structures; b. gates and fences; c. storage of equipment or materials; d. landscaping or earthworks or stormwater or other infrastructure.
<p>PO130</p> <p>Odour sensitive development is separated from landfill sites so they are not adversely affected by odour emission or other air pollutant impacts.</p>	<p>E130</p> <p>The following uses are not located within a Landfill buffer:</p> <ul style="list-style-type: none"> 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⁾;

	<p>o. Short-term accommodation⁽⁷⁷⁾;</p> <p>p. Tourist park⁽⁸⁴⁾.</p>
<p>PO131</p> <p>Habitable rooms within an Electricity supply substation buffer are located a sufficient distance from substations⁽⁸⁰⁾ to avoid any potential adverse impacts on personal health and wellbeing from electromagnetic fields.</p> <p>Note - Habitable room is defined in the Building Code of Australia (Volume 1)</p>	<p>E131</p> <p>Habitable rooms:</p> <p>a. are not located within an Electricity supply substation buffer; and</p> <p>b. proposed on a site subject to an Electricity supply substation⁽⁸⁰⁾ are acoustically insulated to achieve the noise levels listed in Schedule 1, Acoustic Quality Objectives, Environmental Protection (Noise) Policy 2008.</p> <p>Note - Habitable room is defined in the Building Code of Australia (Volume 1)</p>
<p>PO132</p> <p>Habitable rooms within an Electricity supply substation buffer are acoustically insulated from the noise of a substation⁽⁸⁰⁾ to 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.</p> <p>Note - To demonstrate achievement of the performance outcome, a noise impact assessment report is prepared by a suitably qualified person. Guidance to preparing an noise impact assessment report is provided in Planning scheme policy – Noise.</p> <p>Note - Habitable room is defined in the Building Code of Australia (Volume 1)</p>	<p>No example provided.</p>
<p>PO133</p> <p>Development within a High voltage electricity line buffer provides adequate buffers to high voltage electricity lines to protect amenity and health by ensuring development:</p> <p>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;</p> <p>b. is located and designed in a manner that maintains a high level of security of supply;</p> <p>c. is located and design so not to impede upon the functioning and maintenance of high voltage electrical infrastructure.</p>	<p>E133</p> <p>Development does not involve the construction of any buildings or structures within a High voltage electricity line buffer.</p>
<p>PO134</p> <p>Development within a Pumping station buffer is located, designed and constructed to:</p>	<p>E134</p> <p>Development does not involve the construction of any buildings or structures within a Pumping station buffer.</p>

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<ul style="list-style-type: none"> a. ensure that odour or other air pollutant impacts on the amenity of the development met the air quality 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. 	
<p>Overland flow path (refer Overlay map - Overland flow path to determine if the following assessment criteria apply)</p> <p>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.</p>	
<p>PO135</p> <p>Development:</p> <ul style="list-style-type: none"> 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. 	<p>No example provided.</p>
<p>PO136</p> <p>Development:</p> <ul style="list-style-type: none"> 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. <p>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.</p> <p>Note - Reporting to be prepared in accordance with Planning scheme policy – Flood hazard, Coastal hazard and Overland flow.</p>	<p>No example provided.</p>
<p>PO137</p> <p>Development does not:</p> <ul style="list-style-type: none"> 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. 	<p>No example provided.</p>

<p>Note - Open concrete drains greater than 1m in width are not an acceptable outcome, nor are any other design options that may increase scouring.</p>	
<p>PO138</p> <p>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.</p>	<p>E138</p> <p>Development ensures that a hazardous chemical is not located or stored in an Overland flow path area.</p> <p>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.</p>
<p>PO139</p> <p>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.</p>	<p>E139</p> <p>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.</p>
<p>PO140</p> <p>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.</p> <p>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.</p> <p>Note - Reporting to be prepared in accordance with Planning scheme policy – Flood hazard, Coastal hazard and Overland flow</p>	<p>E140.1</p> <p>Development ensures that roof and allotment drainage infrastructure is provided in accordance with the following relevant level as identified in QUDM:</p> <ol style="list-style-type: none"> Urban area – Level III; Rural area – N/A; Industrial area – Level V; Commercial area – Level V. <p>E140.2</p> <p>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.</p>
<p>PO141</p> <p>Development protects the conveyance of overland flow such that an easement for drainage purposes is provided over:</p> <ol style="list-style-type: none"> a stormwater pipe if the nominal pipe diameter exceeds 300mm; an overland flow path where it crosses more than one premises; inter-allotment drainage infrastructure. <p>Note - Refer to Planning scheme policy - Integrated design for details and examples.</p>	<p>No example provided.</p>

6 Zones

<p>Note - Stormwater Drainage easement dimensions are provided in accordance with Section 3.8.5 of QUDM.</p>	
<p>Additional criteria for development for a Park⁽⁵⁷⁾</p>	
<p>PO142</p> <p>Development for a Park⁽⁵⁷⁾ ensures that the design and layout responds to the nature of the overland flow affecting the premises such that:</p> <ol style="list-style-type: none"> public benefit and enjoyment is maximised; impacts on the asset life and integrity of park structures is minimised; maintenance and replacement costs are minimised. 	<p>E142</p> <p>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.</p>
<p>Riparian and wetland setbacks</p>	
<p>PO143</p> <p>Development provides and maintains a suitable setback from waterways and wetlands that protects natural and environmental values. This is achieved by recognising and responding to the following matters:</p> <ol style="list-style-type: none"> impact on fauna habitats; impact on wildlife corridors and connectivity; impact on stream integrity; impact of opportunities for revegetation and rehabilitation planting; edge effects. 	<p>E143</p> <p>Development does not occur within:</p> <ol style="list-style-type: none"> 50m from top of bank for W1 waterway and drainage line 30m from top of bank for W2 waterway and drainage line 20m from top of bank for W3 waterway and drainage line 100m from the edge of a Ramsar wetland, 50m from all other wetlands. <p>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.</p>
<p>Scenic amenity - Regionally significant (Hills) and Locally important (Coast) (refer Overlay map - Scenic amenity to determine if the following assessment criteria apply)</p> <p>Note - In the Rural Residential Zone, netting, shade cloth and similar coverings associated with agricultural operations are exempt.</p>	
<p>PO144</p> <p>Development:</p> <ol style="list-style-type: none"> 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 	<p>E144</p> <p>Where located in the Regionally significant (Hills) scenic amenity overlay, buildings and structures are not:</p> <ol style="list-style-type: none"> located on a hill top or ridge line; all parts of the building and structure are located below the hill top or ridge line.

<p>the scenic and visual qualities present in the environment.</p>																																														
<p>PO145</p> <p>Development:</p> <ol style="list-style-type: none"> does not adversely detract or degrade the quality of views, vista or key landmarks; retains the natural character or bushland settings as the dominant landscape characteristic. 	<p>E145</p> <p>Where located in the Regionally significant (Hills) scenic amenity overlay, driveways and accessways:</p> <ol style="list-style-type: none"> go across land contours, and do not cut straight up slopes; follow natural contours, not resulting in batters or retaining walls being greater than 900mm in height. 																																													
<p>PO146</p> <p>Buildings and structures incorporate colours and finishes that:</p> <ol style="list-style-type: none"> are consistent with a natural, open space character and bushland environment; 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. 	<p>E146.1</p> <p>Where located in the Regionally significant (hills) scenic amenity overlay, roofs and wall surfaces of buildings and structures adopt the following colours:</p> <table border="1" data-bbox="810 786 1465 1615"> <thead> <tr> <th colspan="3">Colours from Australian Standard AS2700s – 1996</th> </tr> </thead> <tbody> <tr> <td>G12 – Holly</td> <td>G54 – Mist Green</td> <td>N 44 – Bridge Grey</td> </tr> <tr> <td>G13 – Emerald</td> <td>G55 – Lichen</td> <td>N45 – Koala Grey</td> </tr> <tr> <td>G14 – Moss Green</td> <td>G56 – Sage Green</td> <td>N52 – Mid Grey</td> </tr> <tr> <td>G15 – Rainforest Green</td> <td>G62 – Rivergum</td> <td>N54 – Basalt</td> </tr> <tr> <td>G16 – Traffic Green</td> <td>G64 – Slate</td> <td>N55 – Lead Grey</td> </tr> <tr> <td>G17 – Mint Green</td> <td>G65 – Ti Tree</td> <td>X54 – Brown</td> </tr> <tr> <td>G21 – Jade</td> <td>N25 – Birch Grey</td> <td>X61 – Wombat</td> </tr> <tr> <td>G22 – Serpentine</td> <td>N32 – Green Grey</td> <td>X62 – Dark Earth</td> </tr> <tr> <td>G23 – Shamrock</td> <td>N33 – Lightbox Grey</td> <td>X63 – Iron Bark</td> </tr> <tr> <td>G24 – Fern Green</td> <td>N35 – Light Grey</td> <td>Y51 – Bronze Olive</td> </tr> <tr> <td>G25 – Olive</td> <td>N41 – Oyster</td> <td>Y61 – Black Olive</td> </tr> <tr> <td>G34 – Avocado</td> <td>N42 – Storm Grey</td> <td>Y63 – Khaki</td> </tr> <tr> <td>G52 – Eucalyptus</td> <td>N43 – Pipeline Grey</td> <td>Y66 – Mudstone</td> </tr> <tr> <td>G53 – Banksia</td> <td></td> <td></td> </tr> </tbody> </table> <p>E146.2</p> <p>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%.</p>	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		
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<p>Transport noise corridors (refer Overlay map - Transport noise corridors to determine if the following assessment criteria apply)</p> <p>This is for information purposes only. No requirements for accepted development or criteria for assessable development apply. Development located within a Transport Noise Corridor must satisfy the requirements of the Queensland Development Code</p>																																														