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DEVELOPMENT NO.:	24021301
APPLICANT:	Designing Places
ADDRESS:	4 BRETTIG RD LOBETHAL SA 5241
NATURE OF DEVELOPMENT:	Expansion of existing transport depot into South-East corner of allotment, associated semi-permeable rubble hardstand and stormwater control, retaining walls, combined retaining wall and fencing and culvert
ZONING INFORMATION:	**Zones:** • Employment • Productive Rural Landscape **Overlays:** • Environment and Food Production Area • Hazards (Flooding) • Hazards (Bushfire - Medium Risk) • Limited Land Division • Mount Lofty Ranges Water Supply Catchment (Area 2) • Native Vegetation • Prescribed Water Resources Area • Regulated and Significant Tree • Traffic Generating Development • Urban Transport Routes • Water Resources
LODGEMENT DATE:	23 July 2024
RELEVANT AUTHORITY:	Assessment Panel at Adelaide Hills Council
PLANNING & DESIGN CODE VERSION:	P&D Code (in effect) Version 2024.13 18/7/2024
CATEGORY OF DEVELOPMENT:	Code Assessed - Performance Assessed
NOTIFICATION:	Yes - 23 August 2024 to 12 September 2024
RECOMMENDING OFFICER:	Blake O'Neil Senior Planner
REFERRALS STATUTORY:	Nil
REFERRALS NON-STATUTORY:	Council Biodiversity Council Engineering

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DETAILED DESCRIPTION OF PROPOSAL:

The proposal seeks the change in use to South-Eastern corner of the subject site for expansion of the existing heavy vehicle parking associated with the Transport Depot and private Construction Depot approved on the land and construction of a proposed new hardstand area, car park and internal access from the existing hardstand area. Access to the new heavy vehicle parking area will continue to be from existing crossovers to Brettig Road. An existing creek crossing has been upgraded with a new culvert to allow heavy vehicle access from the existing heavy vehicle parking to the proposed location. The headwall of the Culvert is 1.6m in height and is development. The proposal includes a stormwater management system to work in conjunction with the proposed hardstand area.

The new heavy vehicle parking area will consist of five (5) different tiered levels, with four (4) of those levels to be utilised for the parking of the heavy vehicles and the final to be used for vehicle egress within that area. Each of the levels will possess a 1 metre height difference through battering of each of the levels. The hardstand itself will be constructed of a semi-permeable rubble so as to manage stormwater effectively on the site. In addition to the truck parking the application proposes 20 car parking bays for staff located between the truck parking and stormwater system. No lighting is proposed as part of this application.

An associated stormwater management system will be undertaken on site to mitigate potential issues stemming from the proposed hardstand and heavy vehicle parking. The system will be comprised primarily of bunds and swales with a detention basin to be formed of concrete blocks 1m x 1m in size.

The applicant has proposed hours of operation from 4:30am to 8:00pm 6 days per week. No increase to the capacity of the depot is proposed and the existing capacity of 50 heavy vehicles will continue to apply as imposed by condition 7 of Development Authorisation 473/532/19.

A 6m wide tree buffer/planting area to the Eastern allotment boundary is proposed with tree planting to supplement existing plantings.

Additionally, a 1.8m high colourbond fence will be constructed on the southern boundary to mitigate amenity impacts to the south. The total length of the fence is 134.5m with the western portion of 32m constructed above the block wall to a maximum height of 3.35m.

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BACKGROUND:

APPROVAL DATE	APPLICATION NUMBER	DESCRIPTION OF PROPOSAL
18 October 2022	473/532/2019 21018506	Change of use to include a transport depot and extend an existing vehicle hardstand, retaining walls, combined fence and retaining wall (maximum height 4.15 metres), 2 x 28,000 litre fuel storage pods, storage building, outbuilding for truck wash equipment, 2 x 20,000 litre water tanks & associated earthworks
10 August 2016	473/205/2016	Storage building, retaining wall and associated earthworks.
7 September 2015	473/340/2015	Non-illuminated advertisements on face of building
29 January 2015	473/29/2015	Variation to development authorisation 473/75/13 for increased truck parking area and include staff parking and storage of plant/equipment in conjunction with existing light industry.
6 June 2014	473/697/2013	Two storey alterations and additions to existing office building including upper level balcony
4 March 2013	473/75/2013	Change of use from grazing to truck and trailer parking
26 October 2011	473/947/2010	Construction of a new workshop & a new farm building & associated
26 October 2011	473/591/2011	Storage shed, extension to vehicle storage shed, removal of significant tree, general industry building.
11 March 2011	473/41/2011	Addition to general industry building
21 December 2010	473/1268/2010	Removal of a significant tree (Eucalyptus camaldulenis - River Red Gum)
1 November 2010	473/1132/2010	Demolition of an existing derelict cottage and an outbuilding
10 August 2009	473/693/2009	Advertising displays x 4
2 May 2008	473/697/2007	Warehouse - shed
17 December 2007	473/1030/2007	Alterations and additions to existing office / warehouse
13 June 2006	473/61/2006	Retaining wall and associated landscaping
24 June 2004	473/880/2003	Signs

7 June 2004	473/952/2003	Truck Storage
9 August 2002	473/336/2001	Work depot and offices

SUBJECT LAND & LOCALITY:

Location reference: 4 Brettig Road, LOBETHAL SA 5241

Title ref.: CT 5220/438 **Plan Parcel:** F125204 AL3 **Council:** ADELAIDE HILLS COUNCIL

Site Description:

The subject site is a large regular shaped allotment that exists on the edge of the Lobethal township currently utilised for commercial/industrial purposes. The allotment possesses three (3) sealed crossovers to Brettig Road and also possesses a frontage to Kenton Valley Road. The site exists within both the *Productive Rural Landscape* Zone and the *Employment* Zone. The site has a total area of 125097.66 square metres (12.5 hectares) with a maximum depth of 359 metres and a maximum width of 349 metres.

The site is currently being utilised as a Transport Depot and private Construction Depot with a number of ancillary structures also placed on the allotment. The majority of the built form on the site is towards the north western side of the allotment with the only built form currently on the southern portion being a large building (Truck Wash) in association with the existing truck depot use that authorised a large number of vehicles and trailers being stored within this area.

As mentioned, the site exists within two (2) separate zones with the Western side of the allotment existing within the *Employment* zone and the Eastern side of the site existing within the *Productive Rural Landscape zone.* Noting that the proposed works included within this application will wholly be undertaken within the *Productive Rural Landscape* Zone.

A 4m wide easement to the Electricity Trust of South Australia extends from the Brettig Road boundary to the southern boundary. A 20m wide easement to the Electricity Trust of South Australia extends west from the 4m easement to the western boundary. The proposal is to be constructed in the 4m wide easement with a stobie pole located between first and second truck parking bay. The plans provide clearing of a 3m wide area from the base of the stobie pole.

The site sits higher than the road level of Kenton Valley Road and slopes down quite considerably from the Northern part of the allotment to the Southern portion of the site and a crossfall from the east to west of 17m. The existing structures are at the highest point of the site on previously benched areas with the slope falling away to the benched areas in the Southern portion of the site.

The site possesses small areas of scattered vegetation, whether that be planted or native species, notably running across the Southern allotment boundary and watercourse, however for the most part the site is generally clear of vegetation. Also, a watercourse is situated midway across the development site and then extends between the existing hardstand and proposed area of new hardstand.

Locality:

The locality surrounding the subject site can be characterised by a mixture of different sized allotments, given the multiple zones throughout the immediate locality. To the immediate South of the subject site the allotment is located within the Township Zone and the Productive Rural Landscape Zone. Further to the south the locality is mostly residential allotments within the Township zone where sites range from smaller residential allotments to larger rural residential type allotments.

This includes a recent land division of 15 residential allotments at 14 Kenton Valley Road Lobethal (16/D37/473) that received clearance on 12 April 2024. All of the allotments within the division have dwellings in development or completed.

The Western locality is mostly within the Employment Zone and possesses examples of industry type development in the form of manufacturing. The Northern and Eastern locality is generally made up of larger rural land holdings within the Productive Rural Landscape Zone with a number undertaking various levels of primary production on their respective sites. There also exists Lobethal Bushland Park within the North Western portion of the locality

Kenton Valley Road is under the ownership of the Department of Infrastructure and Transport and is the main entry to the township of Lobethal from the north. Brettig Road is under the ownership of Adelaide Hills Council, the road surface is bituminized for the first 75m from Kenton Valley Road and has a gravel surface for the remainder.

It is further noted that there are no Local or State Heritage listed properties that exist within proximity to the subject site or within the immediate locality.

The subject land with the zoning that impacts the properties is identified on ***Attachment 2 - Subject Land/Zoning Map***.

CONSENT TYPE REQUIRED:

Planning Consent

CATEGORY OF DEVELOPMENT:

- **PER ELEMENT:**
  Change of use - Code Assessed - Performance Assessed
  Other - Commercial/Industrial - Proposed truck parking, semi-permeable rubble hardstand and related stormwater control - Code Assessed - Performance Assessed
  Retaining wall: Code Assessed - Performance Assessed
  Fencing: Code Assessed - Performance Assessed

- **OVERALL APPLICATION CATEGORY:**
  Code Assessed - Performance Assessed

- **REASON**
  The Planning and Design Code does not provide an 'Accepted' or a 'Deemed to Satisfy' pathway for the above noted element. It are also not listed as being 'Restricted' forms of development under Table 4 of the Productive Rural Landscape zone.

  Therefore it is considered that as per Sections 105 (b) and 107 of the PDI Act that the proposal defaults to 'Performance Assessed' development.

PUBLIC NOTIFICATION

- **REASON**
  Proposed development is not listed in Table 5 as a form of development exempt from notification in the P & D Code. It is also not a kind of development which the relevant authority was able to consider to be minor in nature and as such it was notified.

  The Public notification period for this application was undertaken from 23 August 2024 to 12 September 2024.

- **LIST OF REPRESENTATIONS**

  Two (2) representations were received during the Public Notification period, one (1) supporting the development with concerns and not wishing to be heard. The other representor opposing the development and wishing to be heard at a potential Council Assessment Panel (CAP)meeting

Representor Name	Representor's Property Address	Wishes to be heard (Y/N)	Nominated Speaker (if relevant)
Leanne Noske	Unit 5/6 Euston Avenue, Highgate	Yes	Self
Mandie Busby (SA Power Networks)	GPO Box 77, Adelaide	No	N/A

- **SUMMARY**

The issues raised within the received representations can be briefly summarised as follows:

- Potential impacts to the visual amenity of the landscape
- Noise and dust generated by the proposed development
- Use not meeting the intent of the Productive Rural Landscape Zone
- Questions regarding the development within proximity to SA Power Networks infrastructure

A copy of the representations is included as ***Attachment 4 – Representations*** and the applicant's response is provided in ***Attachment 5 – Response to Representations.***

AGENCY REFERRALS

- Nil

INTERNAL REFERRALS

- **Council Biodiversity:**

The subject application was referred internally to Council's officer responsible for the management of biodiversity. Within the referral response it was noted that the development would be occurring on a private property and if the proposal was seeking to impact a watercourse it would be subject to approval under the *Landscapes Act, 2019* and may require assessment for a potential water affecting activity permit.

- **Council Engineering:**

  The application was internally referred to Council's technical officer who was asked about the viability of the provided stormwater management plan provided by the applicant. Within their referral comments the technical officer noted that the plan was acceptable subject to comments:

  1. The post development 1% AEP peak post development flow rate from the proposed extent of development is not to exceed the pre-development 1% AEP peak flow rate from the proposed extent of development.
  2. A basin will be formed to provide detention storage and stormwater quality treatment. A 300 mm high rock check dam will be provided across the basin to create a sediment forebay.
  3. The basin will include 110 m2 of bio-retention that has an extended detention depth of 150 mm. The bio-retention basin will include 450 mm filter media, 100 mm transition layer and 150 mm drainage layer

4. Subsoil drains are to be provided at a spacing of 3 m and will connect to a 600 x 600 mm grated field inlet pit. A DN375 mm pipe will discharge through the concrete block wall at an invert level of RL436.60 m. A shallow swale will be required to convey stormwater from the DN375 mm outlet pipe to the watercourse.

PLANNING ASSESSMENT

Desired outcomes
Desired outcomes are policies designed to aid the interpretation of performance outcomes by setting a general policy agenda for a zone, subzone, overlay or general development policies module. Where a relevant authority is uncertain as to whether or how a performance outcome applies to a development, the desired outcome(s) may inform its consideration of the relevance and application of a performance outcome or assist in assessing the merits of the development against the applicable performance outcomes collectively.

Performance outcomes
Performance outcomes are policies designed to facilitate assessment according to specified factors, including land use, site dimensions and land division, built form, character and hazard risk minimisation.

Designated performance features
In order to assist a relevant authority to interpret the performance outcomes, in some cases the policy includes a standard outcome which will generally meet the corresponding performance outcome (a designated performance feature or DPF). A DPF provides a guide to a relevant authority as to what is generally considered to satisfy the corresponding performance outcome but does not need to necessarily be satisfied to meet the performance outcome and does not derogate from the discretion to determine that the outcome is met in another way, or from the need to assess development on its merits against all relevant policies.

A detailed assessment of the application has taken place against the relevant provisions of the Planning and Design Code (P & D Code) and this is provided below under a series of headings. A Policy Enquiry extract containing the relevant provisions of the P & D Code is contained in ***Attachment 6 – Relevant P & D Code Policies****.*

Zone:

Productive Rural Landscape Zone

Desired Outcomes	
DO1	A diverse range of land uses at an appropriate scale and intensity that capitalise on the region's proximity to the metropolitan area and the tourist and lifestyle opportunities this presents while also conserving the natural and rural character, identity, biodiversity and sensitive environmental areas and scenic qualities of the landscape.
DO2	A zone that promotes agriculture, horticulture, value adding opportunities, farm gate businesses, the sale and consumption of agricultural based products, tourist development and accommodation that expands the economic base and promotes its regional identity.
DO3	Create local conditions that support new and continuing investment while seeking to promote co-existence with adjoining activities and mitigate land use conflicts.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
PO 1.1 & DPF 1.1, PO 2.1 & DPF 2.1, PO 4.1 & DPF 4.1, PO 4.2, PO 4.3 & DPF 4.3	

The performance outcomes (PO) and designated performance features (DPF) outlined within the Productive Rural Landscape Zone are generally silent on this particular form of development. As such they do not provide specific guidance for the assessment of the subject application.

Noting the above, it is considered that a number of the desired outcomes (DO), performance outcomes and designated performance features reference developments that may have similar potential impacts and have been relied upon to determine a level of appropriateness of the subject application.

DO 1 of the Productive Rural Landscape Zone seeks for a diverse range of land uses at an appropriate scale and intensity that capitalise on the region's proximity to the metropolitan area. The DO also goes on to state that these land uses should conserve the natural and rural character, identity, biodiversity, sensitive environmental areas and the scenic qualities of the landscape. With DO 2 it states that the zone promotes a list of primary production uses with an aim to promote the regional identity of the area.

PO 1.1 of the zone echoes the sentiment of the two desired outcomes by noting that it seeks primary production and value adding uses. It is considered that the proposed heavy vehicle parking would not be consistent with either DO nor would it be meeting the first part of PO 1.1. It is however considered that while PO 1.1 has not been explicitly met it should be noted that the heavy vehicle parking is in association with a lawfully approved use on the site, being a transport depot. It is further considered that the increase in area of heavy vehicle parking while not increasing the quantity of vehicles will not necessarily intensify the existing lawful use of the land, it will merely provide for additional parking space internal to the site.

DO 3 of the Productive Rural Landscape Zone supports development with new and continued investment while promoting co-existence of uses and minimising potential land use conflicts that may occur. In relation to this provision, it is considered that the proposal will support a continued investment stemming from the lawful use of the land. It will also attempt to promote co-existence through siting of the proposal to the South of the site, while still allowing the majority of the Eastern side of the site to be undeveloped, which in turn will allow for a visual break between the developed area.

When considered against PO 2.1 it is noted that the subject site possesses suitable vehicle access by way of being serviced by an all-weather trafficable public road. Noting that no alterations to the road verge are required to accommodate the proposal and the works will be solely occurring within the area of the hardstand space.

Within the Productive Rural Landscape Zone it is noted that the most relevant policies to the subject form of development are PO 4.1, 4.2 and 4.3 which all relate similarly to the notion of industry type uses occurring within the zone - noting specifically that PO 4.2 and 4.4 mention transport distribution explicitly, which for all intents and purposes is the closest form of development to the lawful use of the land. It is therefore considered that despite the policies not mentioning transport depots specifically it does contemplate development types that are likely to have a similar level of impact.

The provisions further seek to limit any potential impacts stemming from the use to sensitive receivers on adjacent sites and to also maintain the rural function of the area. DPF 4.3 sets out quantitative measures in terms of setbacks from allotment boundaries, sensitive receivers, building heights and containing loading/unloading to internally on the sites.

It is considered that the measures within DPF 4.3 have mostly been met with the exception of DPF 4.3(b) where a setback of 100 metres from a sensitive receiver in separate ownership is sought. In the case of the proposal there is a setback of approximately 76 metres from the closest residential allotment not in the same ownership. It is further considered that a number of these sites are still vacant residential allotments existing within a relatively new subdivision, which should be noted are pre-dated by the use on the subject site.

The applicant has been requested to provide an acoustic report to support their application. The applicant has provided the following justification that this is not required:

- the proposed space is immediately adjacent a currently used hardstand
- the proposed hours of use are no different to the allowable hours on the hardstand immediately adjacent
- the potential noise output will be no greater than what is already existing on the current hardstand
- there is no proposed increase to vehicle numbers already approved on the current hardstand
- the proposed space is further away from sensitive receivers than the existing hardstand

A compromise to not providing an acoustic report is the addition of a 1.8m high colourbond fence on the southern boundary for the extent of the truck parking area at 134m in length. The aim of the fence is to mitigate impacts of vehicle noise and light spill for the sensitive receivers to the south.

In relation to this provision, it is considered that one of the representations received specifically noted the potential for visual impacts stemming from the use, noting their concern around the heavy vehicle parking on a site that they can clearly see. In response to this point the applicant has provided an amended drawing that shows a 6m wide tree buffer/planting area to the Eastern allotment boundary with new trees to supplement existing plantings

Therefore, while the proposal would not be directly linked with a primary production related activities it is thought to be acceptable given the allotment is already being utilised as a transport depot, the proposal merely seeks to add a hardstand area for the parking of vehicles already in association with the existing use on site.

Also noting that the proposed area has been thoughtfully sited in an attempt to cause the least amount of visual impact while still meeting the land use needs. Because of this the proposal is still considered to be acceptable in the context of the subject site. It will be sited immediately adjacent to an existing truck hardstand area that was previously approved on the site.

Employment Zone

Desired Outcomes	
DO1	A diverse range of low-impact light industrial, commercial and business activities that complement the role of other zones accommodating significant industrial, shopping and business activities.
DO2	Distinctive building, landscape and streetscape design to achieve high visual and environmental amenity particularly along arterial roads, zone boundaries and public open spaces.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
N/A	

It is noted that while the property is located in two (2) separate zones the proposed area of expansion is wholly contained within the *Productive Rural Landscape* Zone and therefore the application has only been briefly considered against the Desired Outcomes included within the *Employment* Zone.

In the case of the proposed change of use, it is considered that in context with the rest of the site the use is broadly complying with DO 1 of the zone in that it seeks to add to a lawful use that is already being undertaken on the rest of the site.

Considering the proposal against DO 2 it is considered to be consistent with this outcome as well in that the area of the addition to the use will not be readily visible from any arterial road or public open space due to the setbacks, topography and siting of the development behind an existing hardstand area. And therefore the proposed will not detrimentally impact upon the provision of high visual and environmental amenity.

Overlays

Environmental and Food Production Areas

Desired Outcomes	
DO1	Protection of valuable rural, landscape, environmental and food production areas from urban encroachment.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
N/A	

This particular overlay relates to ensuring that land division is undertaken in accordance with Section 7 of the *Planning, Development and Infrastructure Act, 2016*. As the proposal is not seeking for division of land it is not applicable.

Hazards (Bushfire- Medium Risk) Overlay

Desired Outcomes	
DO1	Development, including land division responds to the medium level of bushfire risk and potential for ember attack and radiant heat by siting and designing buildings in a manner that mitigates the threat and impact of bushfires on life and property taking into account the increased frequency and intensity of bushfires as a result of climate change.
DO2	To facilitate access for emergency service vehicles to aid the protection of lives and assets from bushfire danger.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
PO 1.1 & DPF 1.1, PO 5.1 & DPF 5.1, PO 5.3 & DPF 5.3	

It is noted that the overlay generally seeks for development to be undertaken in a way that will not result in unreasonable bushfire risk to a property. In the case of the subject application, it is noted that the proposal does not seek for any built form aspect and is solely seeking for the partial change of use and the establishment of a handstand area for heavy vehicle parking.

Therefore, it is considered to be broadly consistent with the intent of DO 1 and DO 2.

Further noting the development's compliance with PO 1.1 of the overlay in that there will not be a built form aspect to the proposal and will therefore not be impacted by the potential for unacceptable bushfire risks due to the vegetation cover, type and terrain. It is noted that the area of development is clear of vegetation and also will be constructed on terrain that does not make egress impossible.

PO 5.1 of the overlay seeks for roads to be designed to facilitate safe and effective access and evacuation of fire-fighting vehicles, emergency personnel and occupants/visitors to the site. The access track internal to the site was constructed to facilitate the effective egress of heavy vehicles and in turn has been designed to effectively manage the vehicle movements for emergency vehicles, noting its compliance with DPF 5.1 provisions.

Finally noting in relation to PO 5.3 of the overlay that the development will not solely rely on fire tracks as a means of access or evacuation from the site.

Hazards (Flooding) Overlay

Desired Outcomes	
DO1	Impacts on people, property, infrastructure and the environment from high flood risk are minimised by retaining areas free from development, and minimising intensification where development has occurred.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
N/A	

The Hazards (Flooding Overlay) is not located in the area of the Productive Rural Landscape Zone and not within the site of the proposed development. As such the policies of the Hazards (Flooding) overlay do not apply to this application. The extent of the Hazards (Flooding Overlay) can be seen in Attachment 2 Subject Land - Zoning Map.

Limited Land Division Overlay

Desired Outcomes	
DO1	The long term use of land for primary production is maintained by minimising fragmentation through division of land.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
N/A	

It is noted that as a part of the subject application that land division is not one of the elements sought during the assessment. Therefore, it is considered that the policies included within this particular overlay are not relevant to the assessment.

Mount Lofty Ranges Water Supply Catchment (Area 2) Overlay

Desired Outcomes	
DO1	Safeguard Greater Adelaide's public water supply by ensuring development has a neutral or beneficial effect on the quality of water harvested from secondary reservoirs or diversion weir catchments from the Mount Lofty Ranges.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
PO 1.1, PO 1.2 & DPF 1.2, PO 3.2, PO 3.3	

DO 1 of the Mount Lofty Ranges Water Supply Catchment (Area 2) overlay seeks to protect public water supply by ensuring that development that could potentially pollute the stormwater system or have the ability to generate waste water is undertaken in a manner that will not have a negative impact.

PO 1.1 and 1.2 of this particular overlay seek for development to have a neutral or beneficial impact on water quality within the area and to not include land uses that could potentially cause undue impacts.

In the case of the subject proposal it is considered that the heavy vehicle parking itself has potential to impact on the stormwater system through pollutants generated by the vehicles. For that reason a new stormwater management system has been proposed to negate any potential impacts in that regard.

The stormwater that is generated from the parking of the heavy vehicles on the hardstand will be directed to the new system comprising of various swales and earth bunds and then being directed to a 'bioretention' area comprising of grassed areas and filter beds, feeding into a grated inlet pit prior to dispersal from the subject site.

It is noted that the stormwater management system has been reviewed by Council Engineering who has provided their support for the proposed system with comments. Due to this factor it is considered that the proposal is broadly compliant with PO 1.1 and 1.2, further noting it's compliance with POs 3.2 and 3.3.

An existing creek crossing has been upgraded with a new culvert to allow heavy vehicle access from the existing heavy vehicle parking to the proposed location. This has been constructed and is not Development, the height is less than 1m and in discussion with the Landscape Board would not require a referral. They have been informally made aware of the works.

Native Vegetation Overlay

Desired Outcomes	
DO1	Areas of native vegetation are protected, retained and restored in order to sustain biodiversity, threatened species and vegetation communities, fauna habitat, ecosystem services, carbon storage and amenity values.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
PO 1.1 & DPF 1.1	

It is noted that the property exists within the Native Vegetation overlay.

Further noting that as a part of the lodgement process the applicant provided a declaration stating that no native vegetation would be impacted by the proposed development. It is considered that this complies with PO 1.1 of the overlay.

Prescribed Water Resources Area Overlay

Desired Outcomes	
DO1	Sustainable water use in prescribed water resources areas maintains the health and natural flow paths of surface water, watercourses and wells.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
PO 1.1 and DPF 1.1	

While it is noted that the site exists within a Prescribed Water Resources area overlay it is further considered that the policies encompassed within that overlay are generally not relevant to the proposal.

PO 1.1 of the overlay seeks for development to have a lawful, sustainable and reliable water supply that does not place strain on water resources within the overlay area. Further considering DPF 1.1 where it states that development should not involve the taking of water for which a licence would be required under the *Landscapes South Australia Act, 2019.*

In the case of this proposal it is noted that water will not need to be taken and therefore a licence is not required, complying with DPF 1.1 and subsequently PO 1.1 of the overlay.

Regulated and Significant Tree Overlay

Desired Outcomes	
DO1	Conservation of regulated and significant trees to provide aesthetic and environmental benefits and mitigate tree loss
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
N/A	

As a part of the subject application it is considered that there is no regulated or significant trees sought to be removed. The applicant has provided information noting that the proposal will not be causing impacts to regulated or significant trees.

Noting further that this overlay is not applicable within the Productive Rural Landscape Zone. And this aspect of the zoning is more suited to the Employment Zone side of the allotment.

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Traffic Generating Development Overlay

Desired Outcomes	
DO1	Safe and efficient operation of Urban Transport Routes and Major Urban Transport Routes for all road users.
DO2	Provision of safe and efficient access to and from urban transport routes and major urban transport routes.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
PO 1.1, PO 1.2	

The policies included within the Traffic Generating Development overlay generally speak to proposed crossovers where it may have direct access to a State Maintained Road. Despite this, PO 1.1 and 1.2 are still considered as a part of the application, with the DPF policies not considered.

PO 1.1 seeks for development to minimise potential impact on safety, efficiency, and functional performance of the State Maintained Road network. In the case of the subject proposal it is considered that the proposal does not seek to intensify the use of the land, it instead seeks to add an additional hardstand area, this in turn will not impact on the road movements coming into the site.

PO 1.2 seeks for access points to be sited and designed to accommodate the type and volume of traffic likely to be generated by the proposed. Once again noting that the site already possesses a lawful transport depot being undertaken on site it is further considered that as a part of the proposal access points are not sought to be altered, with the only works occurring in the area of the development relating to creation of an additional internal road to service the hardstand area.

It is considered that the proposed development will not have an adverse impact on State Maintained roads and will therefore be broadly complaint with the overall intent and policies of the overlay.

Urban Transport Routes Overlay

Desired Outcomes	
DO1	Safe and efficient operation of Urban Transport Routes for all road users.
DO2	Provision of safe and efficient access to and from Urban Transport Routes.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
PO 1.1 & DPF 1.1, PO 2.1 & DPF 2.1, PO 3.1 & DPF 3.1	

The provisions within the Urban Transport Routes overlay generally speak to providing access for dwellings within the context of a land division application process but also provide guidance for non-residential type developments and the access arrangements that should be aimed for.

PO 1.1 of the overlay seeks for access to be designed in a way that allows safe entry and exit to minimise traffic flow interference associated with access movements along adjacent State Maintained road networks. With DPF 1.1(c) outlining quantitative measures for instances where access points will service non-residential developments.

It is considered that the access point/s that service the site are all existing, these access points will not be altered as a part of the subject application. Currently they effectively service the day-to-day operation of the use on the subject site and it is considered as there won't be any alterations to these access points.

Given the size of the subject site and the infrastructure that is already in place for parking, queueing and the like it is considered that the proposal will not require alteration of the internal layout of the site and therefore is broadly consistent with PO 2.1 of the overlay.

PO 3.1 notes that where an access is existing that they are designed to accommodate the type and volume of traffic likely to be generated by the development. In this case it is noted that the site has a previous approval for the land use of a transport depot, within that application the access points were reviewed and received support to accommodate the heavy vehicles that are commonplace on this site. Further considering that the proposal is compliant with PO 3.1 by way of achieving DPF 3.1 (a), (b) and (c).

Water Resources Overlay

Desired Outcomes	
DO1	Protection of the quality of surface waters considering adverse water quality impacts associated with projected reductions in rainfall and warmer air temperatures as a result of climate change.
DO2	Maintain the conveyance function and natural flow paths of watercourses to assist in the management of flood waters and stormwater runoff.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
N/A	

The proposal is within close proximity to a watercourse at the Southern portion of the subject site. Noting that as a part of this application the watercourse will not be altered or affected by the proposed development in any way.

The applicant has provided a stormwater management system that has subsequently been supported by Council Engineering that will mitigate any impacts for potentially polluted groundwater to cause impacts on that watercourse. The stormwater system includes an earth bund and block wall that will both protect the development from intrusion by the creek and prevent untreated runoff from entering the creek.

General Development Policies

Clearance from Overhead Powerlines

Desired Outcomes	
DO1	Protection of human health and safety when undertaking development in the vicinity of overhead transmission powerlines.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
PO 1.1 & DPF 1.1	

This application does not include any new building work as such there are no issues as far as building within proximity to powerlines.

The applicant has also provided a declaration stating that the proposal would not be contrary to the regulations prescribed for the purposes of section 86 of the *Electricity Act 1996*. As such this proposal is consistent with DO 1 as well as PO 1.1.

Design

Desired Outcomes	
DO1	Development is: a) contextual - by considering, recognising and carefully responding to its natural surroundings or built environment and positively contributes to the character of the immediate area b) durable - fit for purpose, adaptable and long lasting inclusive - by integrating landscape design to optimise pedestrian and cyclist usability, privacy and equitable access, and promoting the provision of quality spaces integrated with the public realm that can be used for access and recreation and help optimise security and safety both internally and within the public realm, for occupants and visitors c) sustainable - by integrating sustainable techniques into the design and siting of development and landscaping to improve community health, urban heat, water management, environmental performance, biodiversity and local amenity and to minimise energy consumption.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
PO 1.5, PO 5.1, PO 7.2, PO 7.6, PO 7.7, PO8.1, PO9.1, PO9.2, PO 31.1, PO 31.2	

The Design section policies are generally referencing built form and residential type developments so there are only a few policies that are applicable to this form of development. Notably these policies relate to the visual impact of car parking areas, and the effective management of stormwater generated on-site.

The area of the subject site that is to be developed is set back some 150 metres from the frontage of the site on Kenton Valley Road. So the views of the development itself will be somewhat skewed from the public realm between the factors of the setback, the existing hardstand in-between the road and the proposed area and the topography of the subject site. A concrete block retaining wall of up to 1.5m in the south western corner of the development site to allow for better use of the land and reduce the slope in this area.

In terms of the views from neighbouring sensitive receivers, it was noted during the public notification period by a representor that there was the potential for the site to impact on the visual amenity of the area, as a result of this the applicant has proposed screening on the Eastern allotment boundary. A 134m screening fence on the southern boundary at 1.8m high on the southern boundary for the extent of the development will mitigate amenity impacts to the south and satisfy PO9.1. Considering these points it is noted that the proposal will be broadly complaint with PO 1.5, 7.6 and 7.7 respectively.

The associated stormwater management system has been designed in a way that will not cause impact on the quality and quantity of surface water and ground water. Stormwater run off generated by the proposed hardstand will be directed to the new system comprising of various swales and earth bunds and then being directed to a 'bioretention' area comprising of grassed areas and filter beds, feeding into a grated inlet pit prior to dispersal from the subject site. Considering this and Councils technical officers support it is noted to comply with PO 5.1, 31.1 and 31.2.

CAP MEETING – 11 December 2024
ITEM 8.2

Interface between Land Uses

Desired Outcomes	
DO1	Development is located and designed to mitigate adverse effects on or from neighbouring and proximate land uses.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
PO 1.2, PO 2.1 & DPF 2.1, PO 4.1 & DPF 4.1, PO 4.2 and PO 6.1	

The policies within the interface between land uses section are primarily focused on minimising the impacts of development on sensitive land receivers or for the sensitive land receivers to be designed in a way to protect the land uses which are desired within certain zones.

The applicant has conducted businesses on the site for over 20 years, with the use expanding over that time and culminating in the lodgement of a formal application for the change in land use to a Transport Depot and the expansion of the hardstand area in this application (473/532/19 and 21018506). It is noted that the application does not seek to intensify the lawful use on the land but merely seeks to create an additional hardstand area for the parking of heavy vehicles and employee vehicles in association with the land use. Noting further that to the immediate West of the proposed site there exists another hardstand area.

The previous application (473/532/19 and 21018506) that included *Change of use to include a transport depot, extend an existing vehicle hardstand and outbuilding for truck wash equipment* provided hours of operation for the Truck Wash portion of the application. The applicant has proposed operating hours of 4:30am to 8:00pm 6 days per week for the heavy vehicle parking as part of this application. The proposed hours represent a restriction as compared to the remainder of the truck parking on the site and is located further from the nearest sensitive receiver. As noted earlier, the applicant was requested to provide an Acoustic Report which was declined with the justification provided being:

- the proposed space is immediately adjacent a currently used hardstand
- the proposed hours of use are no different to the allowable hours, on the hardstand immediately adjacent
- the potential noise output will be no greater than what is already existing on the current hardstand
- there is no proposed increase to vehicle numbers already approved on the current hardstand
- the proposed space is further away from sensitive receivers

A compromise to not providing an acoustic report is the addition of a 1.8m high colourbond fence at 134m in length on the southern boundary for the extent of the truck parking area. The western portion of the fence will be constructed above the block wall to a maximum combined height of 3.35m as viewed from the south. The aim of the fence is to mitigate impacts of vehicle noise and light spill for the sensitive receivers to the south.

The hours of operation are reflected in recommended condition 5.

Transport, Access and Parking

Desired Outcomes	
DO1	A comprehensive, integrated and connected transport system that is safe, sustainable, efficient, convenient and accessible to all users.
Performance Outcomes (PO) & Deemed to Satisfy (DTS)/Designated Performance Feature (DPF) criteria	
PO 1.1, PO 1.2, PO 1.3, PO 3.1 & DPF 3.1, PO 3.4, PO 3.5 & DPF 3.5, PO 3.8, PO 5.1 and DPF 5.1, PO 6.2, PO 6.6 & DPF 6.6, DPF 6.1	

As noted earlier within the report, the proposal does not seek to alter the existing access points to the subject site. The site has 3 crossovers to Brettig Road with the central one providing access to heavy vehicles onto a bituminised portion of the road. From the existing hardstand the applicant has upgraded the crossing of the creek to allow for heavy vehicle access to the location of the development. The crossing provides two pipes of 600mm diameter, a 1.6m headwall and road base fill and satisfies PO3.8. This crossing has been constructed and is retrospective.

Against PO 1.1 and 1.2 of this section it is considered that the proposal will be integrated with the existing transport system as it already possesses lawful access to local roads that feed into a State Maintained road. Further noting that the proposal discourages commercial and service vehicle movements through residential streets by utilising these existing access points. PO 1.3 is also adequately met by the proposal, as it seeks for the construction of a hardstand for heavy vehicles this will result in a separation between passenger vehicle parking areas and areas for commercial heavy vehicles.

PO 3.1 of this section is considered to be met as it obtains access via a lawfully existing access point on Brettig Road. So PO 3.1 is met by way of meeting DPF 3.1(a). Further considering that POs 3.4, 3.5 and 3.8 of this section are all considered to be met by way of the access being existing.

The proposal creates an additional 20 car parking spaces for employees. *Table 1 - General Off-Street Car Parking Requirements* does not provide specific car parking requirements for a hardstand. The proposal has provides additional truck parking with the same quantity of trucks to be on the site. The demand for onsite parking is not considered to have increased as part of this application. Therefore the proposal is meeting PO 5.1 and DPF 5.1

CONSIDERATION OF SERIOUSLY AT VARIANCE

The subject proposal is not considered to be seriously at variance with the provision of the Planning and Design Code, 2021

It is noted that the proposal seeks for a form of development that is not explicitly mentioned within the Productive Rural Landscape Zone. Despite this, there are similar development types referenced within the zone. Against those policies the proposed development is broadly compliant.

The site is a dual zoned property, existing within both the Employment and Productive Rural Landscape Zones. While the proposed development is to be undertaken wholly within the Productive Rural Landscape Zone it is noted that the site has previously been approved as a transport depot with ancillary functions, the proposal merely seeks to add to the existing lawful use on site.

Also noting that the area where the development will be undertaken would not be capable of carrying out a viable primary production use, noting the land's topography, size and proximity to the existing transport depot.

Access arrangements will not be impacted by the proposal and the site will still be consistent with the overarching policies relating to access within the Urban Transport Routes and Traffic Generating Development overlays.

It is also considered that the proposal will not cause adverse impacts to the water quality within the catchment area. Noting the stormwater management system that has been designed to a certain standard accepted by Council Engineering. Considering this and that the proposed will generate no wastewater the proposal will meet the policies within the Mount Lofty Water Supply Catchment Area Overlay policies.

CONCLUSION

The proposal seeks expansion of heavy vehicle parking via a proposed new hardstand area on the eastern side of the subject site. The land is lawfully used as a transport depot and the proposal will aid in the undertaking of that use by providing additional formal vehicle parking area, stormwater management infrastructure and internal driveways to provide access to the hardstand. 20 additional staff car parking spaces have been provided while the trucks on the site have been limited to 50 in total in keeping with the previous application. The hardstand will be battered between each of the 5 bays up to 1m in height in the northern corner and the 5th bay to the east having batter of 2.4m up to natural ground level.

The stormwater system includes earth bunds, 1 metre high block walls and swales to direct flows to the south western corner of the development site where it will be treated in a bio retention sand and reed bed before being released via a scour to the creek.

While the Productive Rural Landscape Zone is generally silent on this form of development there are references to similar development types, which the proposal is broadly consistent with.

While the Productive Rural Landscape Zone does not explicitly seek for the proliferation of depot type uses it is considered that the site is dual zoned, with the other half of the zone being within the Employment zone. For that reason this application is seen ton constitute a continuation of the existing use of the land despite the traversal of the zone boundaries.

The hardstand area has been designed to accommodate a stormwater management system that will provide the site with an effective way of managing the potential polluted run-off generated by the heavy vehicles that will be parked in the area. The Stormwater Management Plan has also been accepted by Council Engineering.

The perceived visual impacts that were originally raised by the representations have adequately been addressed by the applicant by way of additional screening vegetation on the common boundary included in the updated landscaping plan. Additionally, the colourbond fencing on the southern boundary will mitigate amenity impacts for the sensitive receivers to the south. Also noting the setback of heavy vehicle parking to sensitive receivers has been increased and no additional trucks are to be brought onto the site.

When assessed against the relevant zone policies, overlays and general development policies for developments of similar nature, the proposal is considered to generally address those criteria and as such warrants Planning Consent being granted.

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RECOMMENDATION

It is recommended that the Council Assessment Panel resolve that:

1) **Pursuant to Section 107(2)(c) of the Planning, Development and Infrastructure Act 2016, and having undertaken an assessment of the application against the Planning and Design Code, the application is NOT seriously at variance with the provisions of the Planning and Design Code; and**

2) **Development Application Number 24021301 by Designing Places for the Expansion of existing transport depot into South-East corner of allotment, associated semi-permeable rubble hardstand and stormwater control, retaining walls, combined retaining wall and fencing and culvert at 4 Brettig Road, Lobethal is GRANTED Planning Consent subject to the following conditions**

CONDITIONS

Planning Consent

1) **The development granted shall be undertaken and completed in accordance with the stamped plans and documentation, except where varied by conditions below.**

2) **No mechanical maintenance, vehicle refueling, vehicle servicing or, washing of machinery and equipment associated with the approved use shall occur on the land subject to this approval.**

3) **A total of 50 heavy vehicles to be parked on the site at any time of which a maximum of 30 heavy vehicles located in the on the subject land in this application.**

4) **No bulk storage of chemicals, oils or lubricants associated with the approved use is to occur on the land subject to this approval.**

5) **Operating days and hours of the depot shall be Monday to Friday 4:30am to 8:00pm. Movement of trucks and heavy vehicles associated with the approved use shall be limited to these hours of operation.**

6) **All vehicle movements associated with the depot use are to only occur through the existing access point shown on the approved site plan.**

7) **The screen of trees on the eastern boundary, as shown on site plan PA02 prepared by Designing Places dated 11 July 2024, shall be planted to a minimum height of 1m with a dense screen of shrubs and trees along the eastern and southern boundaries of the subject land. Landscaping shall be established in the next planting season after the civil works are complete (whichever comes first) and maintained in good health and condition at all times with any dead or diseased plants being replaced in the next planting season.**

8) **All stormwater from the development site shall be managed in accordance with the approved stormwater management report prepared by DBN Consulting Engineers Pty Ltd dated 12 July 2024 and stormwater management plan (Drawing PA05 dated 11 July 2024) prepared by Designing Places. The stormwater management system shall be installed and operational prior to commencement of the approved development.**

9) **Fencing shown on site plan PA 02 dated 11 July 2024 prepared by Designing Places shall be installed prior to commencement of the approved development.**

10) **All external lighting on the subject land shall be designed and constructed to conform to Australian Standard AS/NZS 4282-1997, and shall be directed away from adjacent residential properties to prevent light spill nuisance.**

11) **Prior to commencement of work, straw bales (or other soil erosion control methods as approved by Council) shall be placed and secured below areas of excavation and fill to prevent soil moving off the site during construction.**

ADVISORY NOTES

General Notes

1) **No work can commence on this development unless a Development Approval has been obtained. If one or more consents have been granted on this Decision Notification Form, you must not start any site works or building work or change of use of the land until you have received notification that Development Approval has been granted.**

2) **Appeal rights – General rights of review and appeal exist in relation to any assessment, request, direction or act of a relevant authority in relation to the determination of this application, including conditions.**

3) **This Planning Consent is valid for a period of twenty-four (24) months commencing from the date of the decision, subject to the below or subject to an extension having been granted by the relevant authority. If applicable, Building Consent must be obtained prior to expiration of the Planning Consent.**

4) **Where an approved development has been substantially commenced within 2 years from the operative date of approval, the approval will then lapse 3 years from the operative date of the approval (unless the development has been substantially or fully completed within those 3 years, in which case the approval will not lapse).**

5) **Management of the property during construction shall be undertaken in such a manner as to prevent denudation, erosion or pollution of the environment.**

6) **The applicant is reminded of their general environmental duty, as required by Section 25 of the Environment Protection Act 1993, to take all reasonable and practical measures to ensure that the activities on the whole site, including during construction, do not pollute the environment in a way which causes, or may cause, environmental harm.**

OFFICER MAKING RECOMMENDATION

Name: Blake Oneil
Title: Senior Statutory Planner

BRETTIG ROAD

ROAD

VALLEY

KENTON

Apprx 362

(4.43)

0.40

EXISTING LOCATION OF MANIFEST BOX

APPROX 36 STAFF CARPARKING

(67.59)

(20.12)

347.42

Existing Buildings

EXISTING HYDRANT

EXISTING FIRE WATER SUPPLY TANKS

EXISTING FIRE BOOSTER ASSEMBLY

77.05

EASEMENT

Existing Trees

LOT 3
12.44ha

LOT 94

EASEMENT

346.81

LINE OF WATERCOURSE

EXISTING TRUCK HARDSTAND

Allocated 20 vehicles
w-ongoing use as per previous approvals

PROPOSED TRUCK PARKING
(AND CIRCULATION PATHWAY)
-TRUCK HARDSTAND
-STABILISED ROAD BASE

APPROX 30 VEHICLES

Existing Farmsheds

LOCATION PLAN
1 : 1000

LOT 42

(4.43)

362.10

(186.48)

PROPOSED BIO RETENTION
-SAND & REED BED
-W-RETAINING BLOCK WALLS

LOT 93

PROPOSED CHANGE OF USE at GE.Hughes Depot
28 (Lot 3) Brettig Rd. LOBETHAL CT 5220/438
LOCATION PLAN

G E HUGHES Construction Co

Building on Tradition

PLANNING DRAWINGS

Date:	Drawn:	Rev:	
11-07-2024	PL	*Amended 25-09-24*	PA01
Scale:	Dwg No:	*-SAPN pole*	
1 : 1000	1 of 5	*-Tree buffer*	
		Amd 14-10-24	
		-Tree buffer extended	
		Amd 30-10-24	
		-Truck allocation	
		Amd 04-12-24	
		-colorbond fence	

DESIGNING PLACES
19 POST OFFICE ROAD LOBETHAL
ABN 50 643 428 118
Ph 0424 364436

ORIGINAL SHEET SIZE A2

2x 600dia REINFORCED CONCRETE PIPES
CULVERT FOR HEAVY VEHICLE
-FARM VEHICLE ACCESS
-SAPN POWER ASSET ACCESS

detail2 PA06

EXISTING STOBIE POLE

ADDITIONAL STAFF VEHICLE PARKING

APPROX LINE OF EXISTING WATERCOURSE

EARTH BUND

EASEMENT

sk2 PA04

NATURAL GROUND SLOPE 1:13

LEVEL W-NGL

RAMP OFF

RAMP OFF

RAMP ON

RAMP ON & THRU

RL 438.380

RL 438.530

RL 439.600

RL 439.800

RL 440.820

RL 441.015

RL 442.200

RL 442.340

RL 444.200

RL 444.660

RL 445.959

1:100 RISE

1:100 RISE

1:100 RISE

1:100 RISE

3m RADIUS
-NATURAL GROUND
UNDER POWER PLOE

EXISTING STOBIE POLE

1. 2. 3. 4. 5.

1m x 1m 45deg BATTER

1m x 1m 45deg BATTER

1m x 1m 45deg BATTER

CROSS FALL 0.9% GRADE

LEVEL ACROSS

CROSS FALL

LEVEL ACROSS

CROSS FALL

LEVEL ACROSS

CROSS FALL

LEVEL ACROSS

RAMP ROAD DOWN BATTER DOWN 1:10.5

CUT

CUT

CUT

RL 443.561

RL 443.700

PASS-THRU PAD
-NO PARKING

PROPOSED TRUCK PARKING
-TRUCK HARDSTAND
-STABILISED ROAD BASE

APPROX. SHADED AREA
(RUBBLE BASE HARDSTAND)
10500m2

RL 437.914

RL 437.500

tow. 438.350

BLOCK WALL

min2600w EARTH SWALE

detail1 PA05

LOWER SECTION OF BLOCK WALL (-200) OVERFLOW WEIR

tow. 438.150

PROPOSED BIO RETENTION
-SAND & REED BED
-W-RETAINING BLOCK WALLS

RL 436.988

tow. 438.350

RL 437.450

'FILTERING' ROCK -CHECK DAM

RL 436.880

tow. 438.350

RL 437.300

tow. 438.350

RL 436.715

tow. 438.002

RL 436.450

BLOCK WALL & COLORBOND FENCE

RL 436.861

EARTH BUND

RL 437.550

1x1x1m HIGH CONC. BLOCKS
1500 HIGH
INSTALLED LEVEL
ON BOUNDARY -WHERE SHOWN

32000 conc.blocks

STORMWATER PIPE THRU TO CREEK OUTLET
-RIP-RAP ROCK SCOUR
-WATER INTO NATURAL WATERCOURSE

(-530) (-1150) (-1150) (-1150) (-1150)

RL 438.000

RL 438.567

RL 439.857

RL 441.008

RL 441.065

RL 442.390

RL 440.399

RL 440.292

RL 440.030

MODIFIED CONSTANT SLOPE 1:33
(+600 FROM NGL LEVEL)

min.3% cross fall (-180mm)

min2600w EARTH SWALE

(+560 FROM NGL)

MODIFIED CONSTANT SLOPE 1:17

min.3% cross fall (-180mm)

RL 443.600

(NGL LEVEL)

(NGL LEVEL)

min2600w EARTH SWALE

sk1 PA04

SETBACKS 2600w EARTH SWALE

swale2600 1400 3000

COLORBOND FENCE
-Apprx 1800 HIGH
COLORBOND COLOUR **-PALE EUCALYPT**

COLORBOND FENCE
-Apprx 1800 HIGH
COLORBOND COLOUR **-PALE EUCALYPT**

134500

colorbond fence 1800H

ADDITIONAL SCREEN PLANTING ALONG BOUNDARY LINE:
-LOW FLAMMABILITY SPECIES

SILVER BANKSIA FEATURE TREE 3 TO 5M.
BANKSIA MARGINATA
LEAVES GREEN ON TOP, SILVER BELOW. YELLOW FLOWERS. ON CYLINDRICAL CONE, SPRING TO AUTUMN. RESPONDS TO PRUNING; CAN PRUNE TO SINGLE TRUNK. INTERESTING FOLIAGE AND SEED PODS. USES: FEATURE PLANT, STREETSCAPING.

STICKY HOP-BUSH ERECT SHRUB TO 3M.
DODONAEA VISCOSA
BRIGHT GREEN STICKY LEAVES. GREEN FLOWERS IN WINTER, RED SEED PODS IN SPRING. RESPONDS TO PRUNING, CAN 'TOP' ONCE REACHES DESIRED HEIGHT. USES: SCREEN OR HEDGE. WELL-DRAINED SOILS.

Additional Tree Planting buffer

ALLOTMENT BOUNDARY (LOT 42)

Additional Tree Planting buffer

107600

19600 22000 21500 21500 23000

68130

6000

106000

60000

9400

Approx 24274

Approx 13971

9100

4100

5000

EXISTING BLOCK WALL

BLOCK WALL

LEGEND:

PROPOSED BIO-RETENTION
-SELECTED SAND / REED BED

PROPOSED STORMWATER SWALES
SWALE TYPICAL =1m BASE, 0.4m DEEP, 1vert : 3horz BATTER

PROPOSED ROCK CHECK EROSION CONTROL/DAMS &RIP-RAP ROCK BEDS

PROPOSED LOW HEIGHT EARTH BUNDING 300h (max 500h)

PROPOSED EXTENT OF PONDING AREA

SITE PLAN
1 : 400
0 1 2 4 8

G E **HUGHES**
Construction Co
Building on Tradition

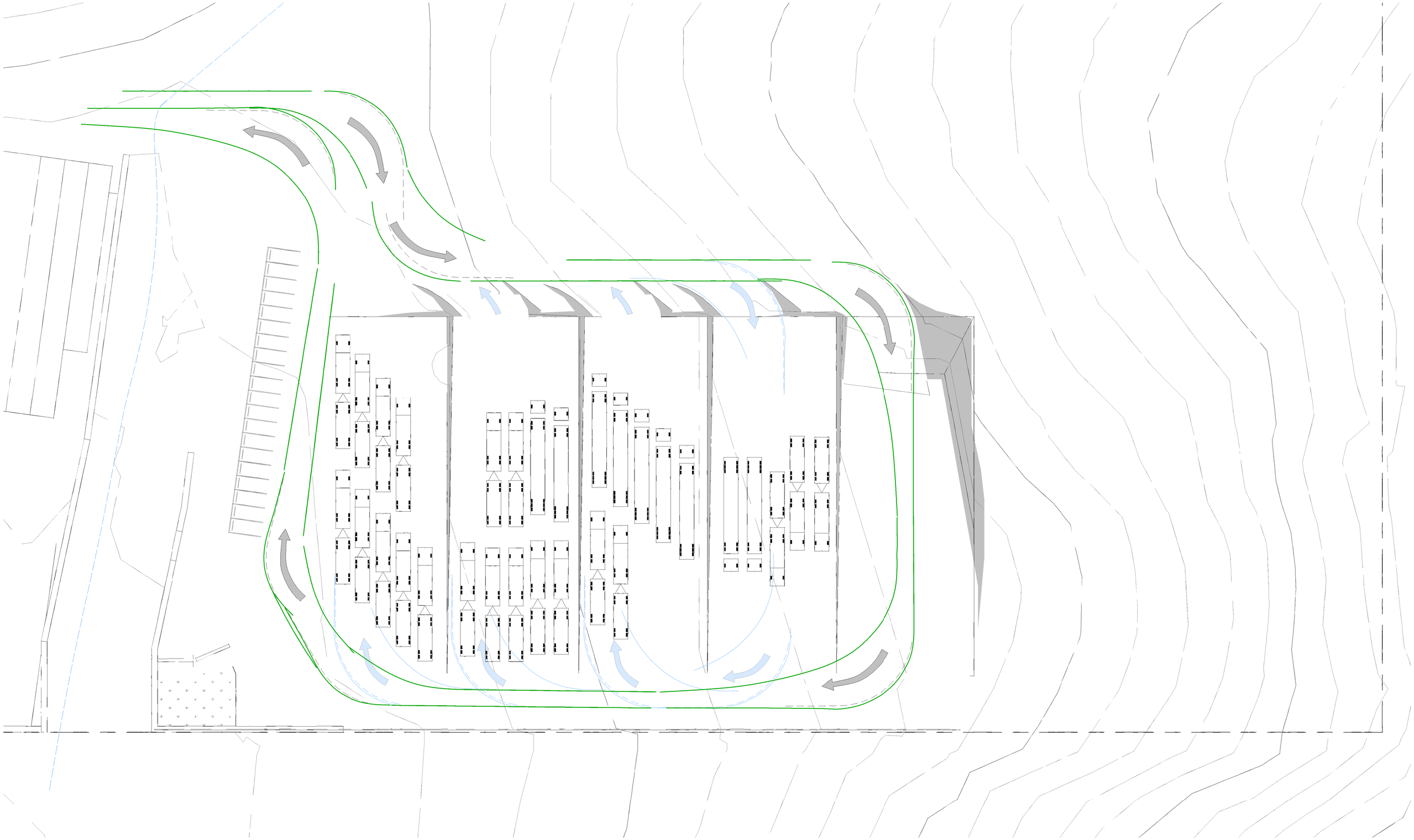
PROPOSED CHANGE OF USE at GE.Hughes Depot
28 (Lot 3) Brettig Rd. LOBETHAL CT 5220/438
SITE PLAN

PLANNING DRAWINGS

Date: 11-07-2024
Drawn: PL
Rev: Amended 25-09-24 -SAPN pole -Tree buffer Amd 14-10-24 -Tree buffer extended Amd 30-10-24 -Truck allocation Amd 04-12-24 -colorbond fence
Scale: 1 : 400
Dwg No: 2 of 5
PA02

DESIGNING PLACES
19 POST OFFICE ROAD LOBETHAL
ABN 50 643 428 118
Ph 0424 364436

ORIGINAL SHEET SIZE A2



GE HUGHES Construction Co

Building on Tradition

SITE PLAN

1 : 400

0 1 2 4 8

PROPOSED CHANGE OF USE at GE.Hughes Depot

28 (Lot 3) Brettig Rd. LOBETHAL CT 5220/438

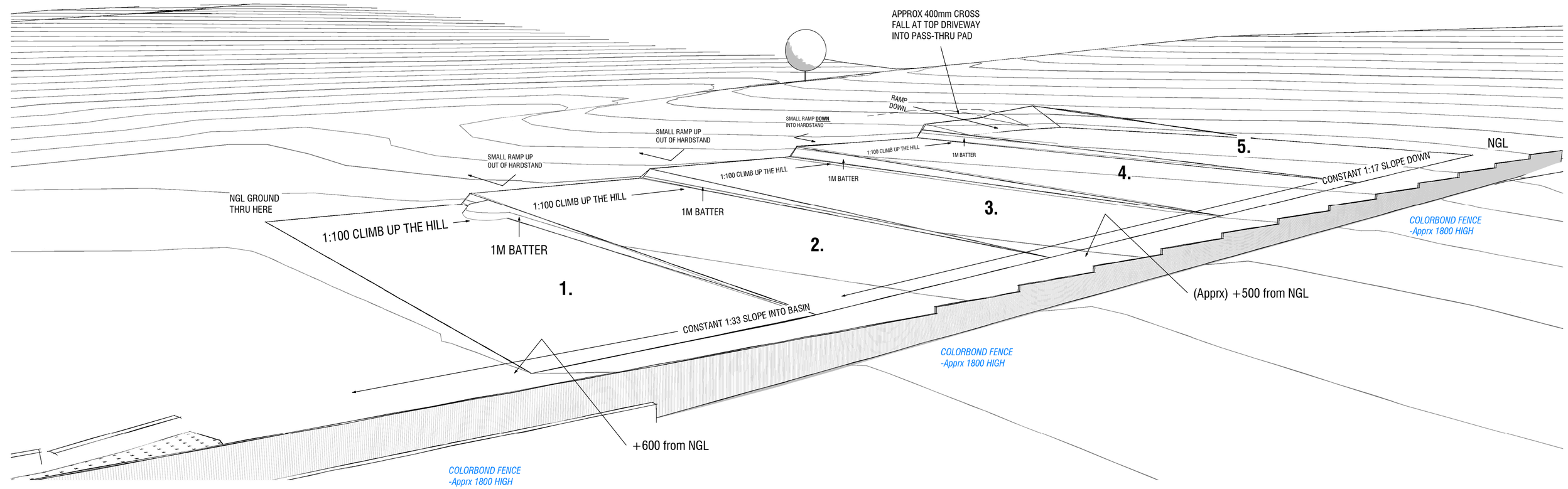
SITE PLAN

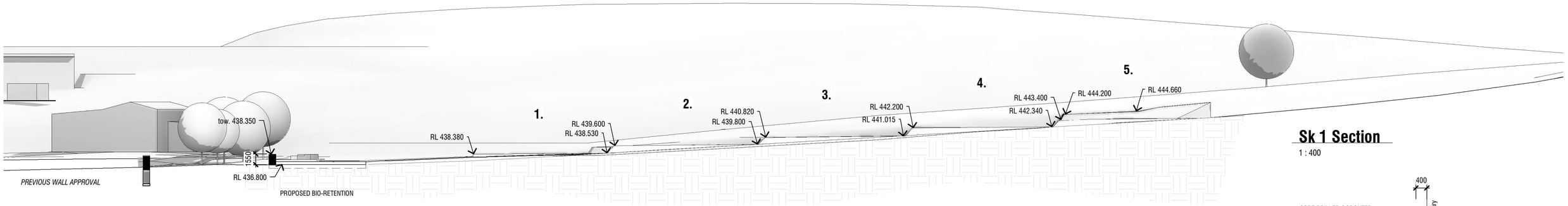
PLANNING DRAWINGS

Date:	Drawn:	Rev:	
11-07-2024	PL	*Amended 25-09-24*	PA03
Scale:	Dwg No:	*-SAPN pole*	
1 : 400	3 of 5	*-Tree buffer*	
		Amd 14-10-24	
		-Tree buffer extended	
		Amd 30-10-24	
		-Truck allocation	
		Amd 04-12-24	
		-colorbond fence	

DESIGNING PLACES
19 POST OFFICE ROAD LOBETHAL
ABN 50 643 428 118
Ph 0424 364436

ORIGINAL SHEET SIZE A2





Sk 1 Section

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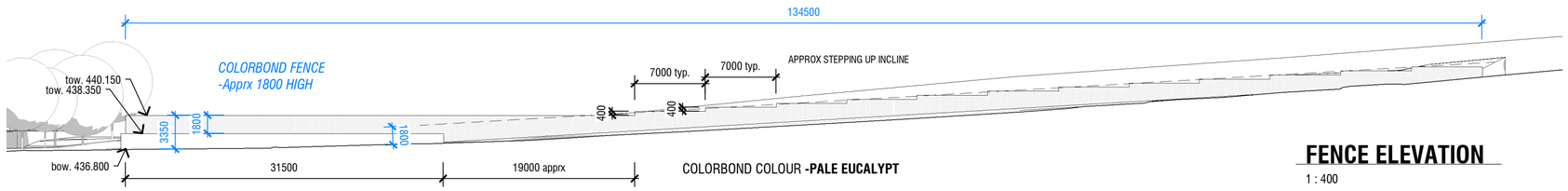
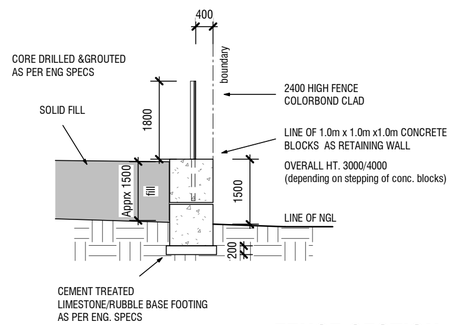


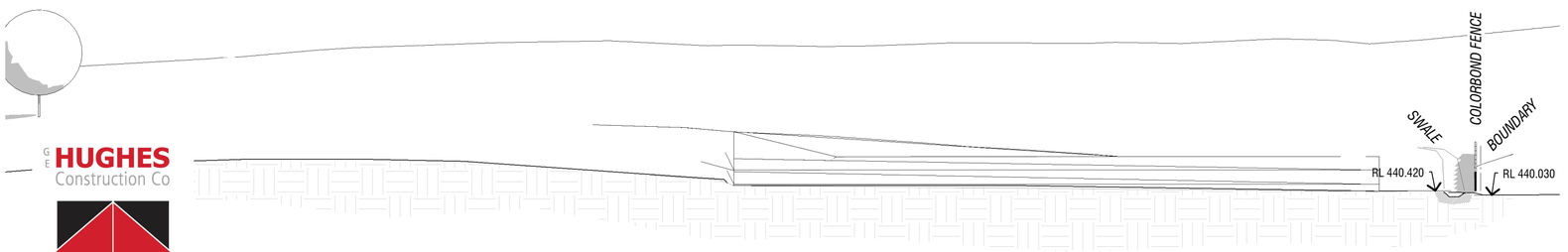
FENCE ELEVATION

1 : 400



FENCE SECTION

1 : 100



Sk 2 Section

1 : 400

G E **HUGHES**
Construction Co

Building on Tradition

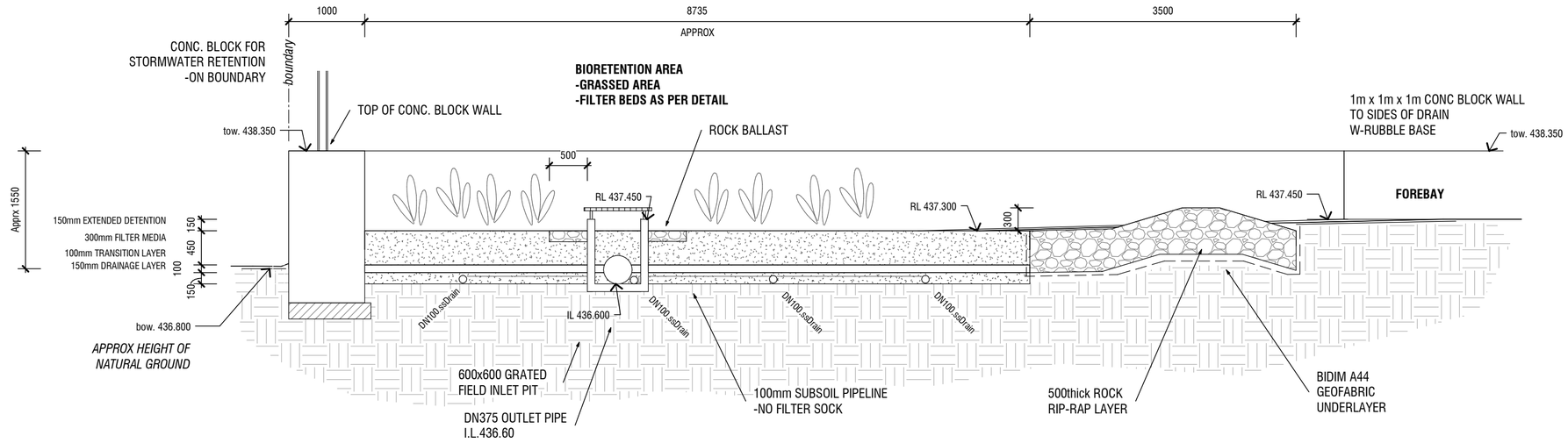
PROPOSED CHANGE OF USE at GE.Hughes Depot
28 (Lot 3) Brettig Rd. LOBETHAL CT 5220/438
DETAILS

PLANNING DRAWINGS

Date:	Drawn:	Rev:	
11-07-2024	PL	*Amended 25-09-24*	PA04
Scale:	Dwg No:	*-SAPN pole*	
As indicated	4 of 5	*-Tree buffer*	
		Amd 14-10-24	
		-Tree buffer extended	
		Amd 30-10-24	
		-Truck allocation	
		Amd 04-12-24	
		-colorbond fence	

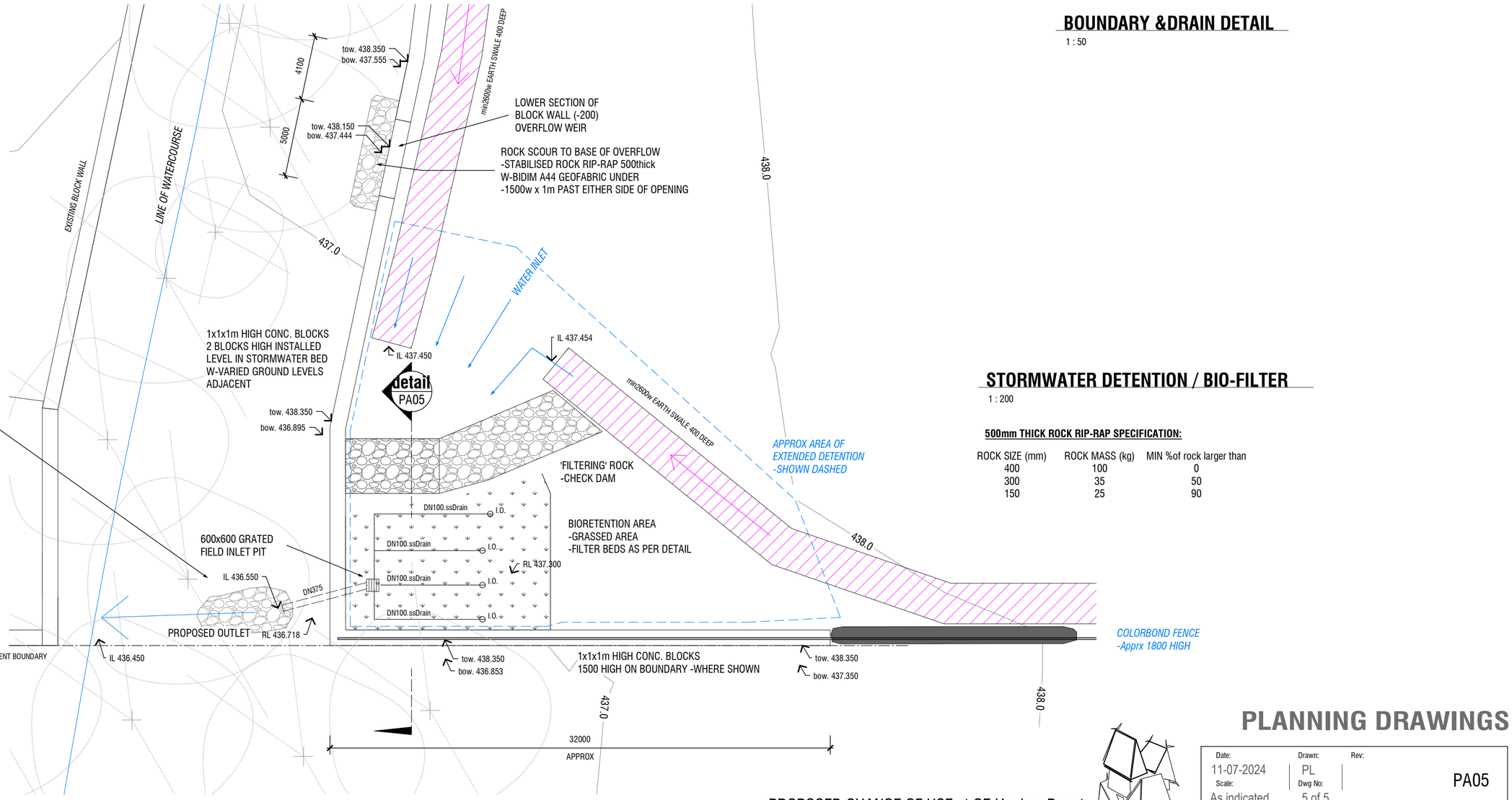
DESIGNING PLACES
19 POST OFFICE ROAD LOBETHAL
ABN 50 643 428 118
Ph 0424 364436

ORIGINAL SHEET SIZE A2



BOUNDARY &DRAIN DETAIL

1 : 50



STORMWATER DETENTION / BIO-FILTER

1 : 200

500mm THICK ROCK RIP-RAP SPECIFICATION:

ROCK SIZE (mm)	ROCK MASS (kg)	MIN %of rock larger than
400	100	0
300	35	50
150	25	90

G E **HUGHES** Construction Co

Building on Tradition

PLANNING DRAWINGS

PROPOSED CHANGE OF USE at GE.Hughes Depot

28 (Lot 3) Brettig Rd. LOBETHAL CT 5220/438

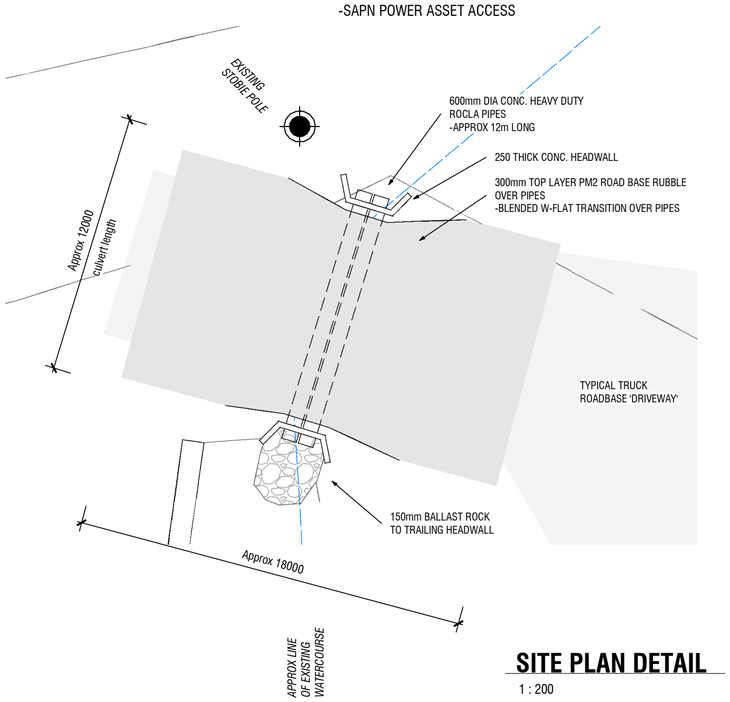
DETAILS

Date:	Drawn:	Rev:	
11-07-2024	PL		PA05
Scale:	Dwg No:		
As indicated	5 of 5		

DESIGNING PLACES
19 POST OFFICE ROAD LOBETHAL
ABN 50 643 428 118
Ph 0424 364436

ORIGINAL SHEET SIZE A2

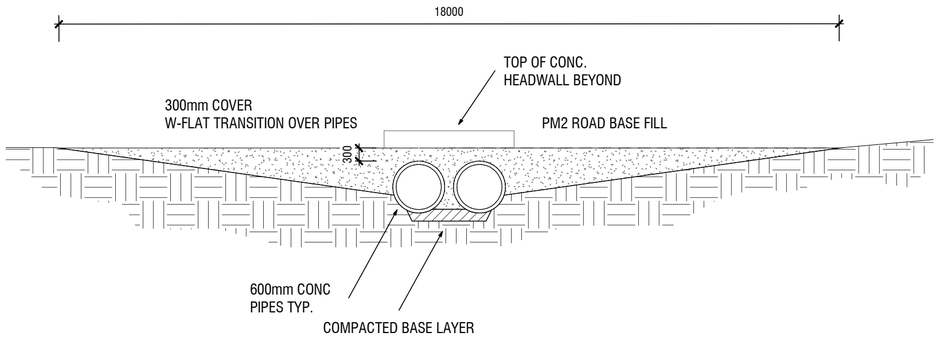
2x 600dia REINFORCED CONCRETE PIPES
CULVERT FOR HEAVY VEHICLE
-FARM VEHICLE ACCESS
-SAPN POWER ASSET ACCESS



SITE PLAN DETAIL

1 : 200

0 1 2 4 8



CULVERT DETAIL

1 : 100

0 1 2 4 8

GE HUGHES Construction Co

Building on Tradition

PROPOSED CHANGE OF USE at GE.Hughes Depot
28 (Lot 3) Brettig Rd. LOBETHAL CT 5220/438
CULVERT DETAIL

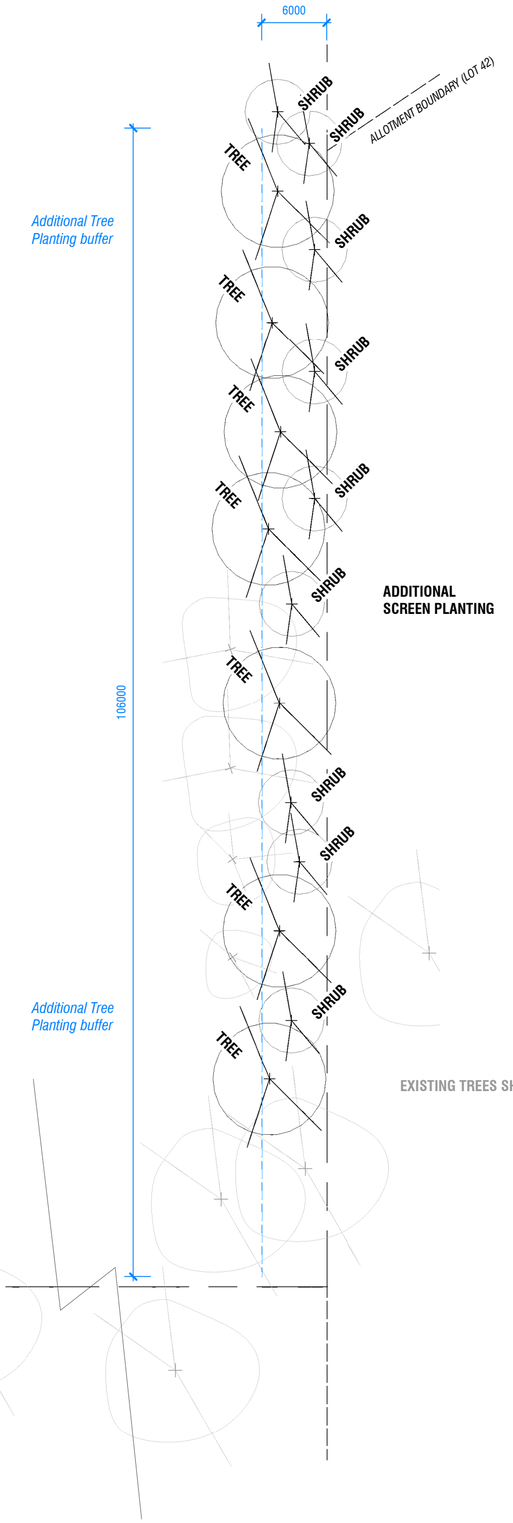
PLANNING DRAWINGS

Date:	Drawn:	Rev:
09-08-2024	PL	
Scale:	Dwg No:	PA06
As indicated	1 of 1	

DESIGNING PLACES
19 POST OFFICE ROAD LOBETHAL
ABN 50 643 428 118
Ph 0424 364436

EASTERN BOUNDARY

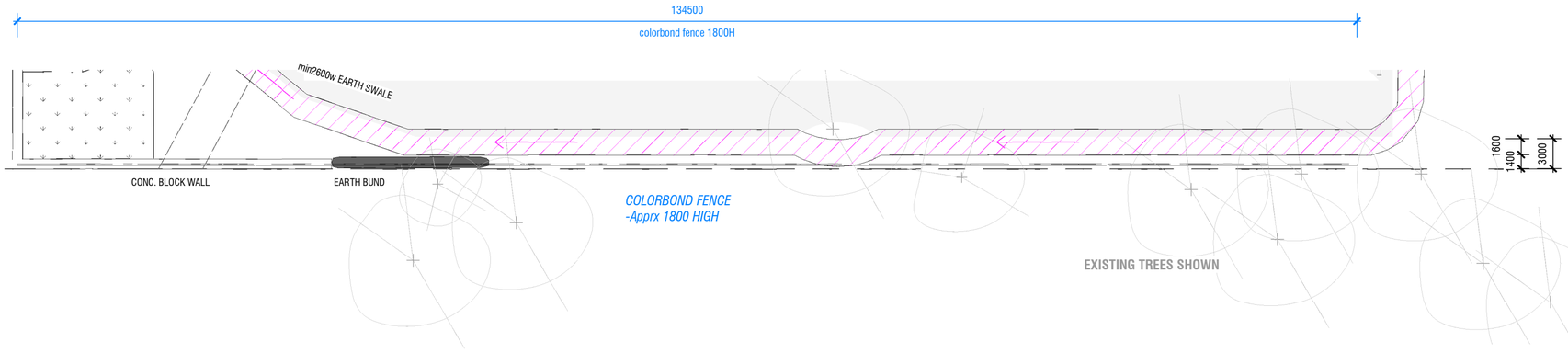
1 : 400



ADDITIONAL SCREEN PLANTING ALONG BOUNDARY LINE:
-LOW FLAMMABILITY SPECIES

SILVER BANKSIA FEATURE TREE 3 TO 5M.
BANKSIA MARGINATA
LEAVES GREEN ON TOP, SILVER BELOW. YELLOW FLOWERS. ON CYLINDRICAL CONE, SPRING TO AUTUMN. RESPONDS TO PRUNING; CAN PRUNE TO SINGLE TRUNK. INTERESTING FOLIAGE AND SEED PODS. USES: FEATURE PLANT, STREETSCAPING.

STICKY HOP-BUSH ERECT SHRUB TO 3M.
DODONAEA VISCOSA
BRIGHT GREEN STICKY LEAVES. GREEN FLOWERS IN WINTER, RED SEED PODS IN SPRING. RESPONDS TO PRUNING, CAN 'TOP' ONCE REACHES DESIRED HEIGHT. USES: SCREEN OR HEDGE. WELL-DRAINED SOILS.



SOUTHERN BOUNDARY

1 : 400

LEGEND:

- PROPOSED BIO-RETENTION -SELECTED SAND / REED BED
- PROPOSED STORMWATER SWALES SWALE TYPICAL =1m BASE, 0.4m DEEP, 1vert : 3horz BATTER
- PROPOSED ROCK CHECK EROSION CONTROL/DAMS &RIP-RAP ROCK BEDS
- PROPOSED LOW HEIGHT EARTH BUNDING 300h (max 500h)
- PROPOSED EXTENT OF PONDING AREA

GE HUGHES Construction Co
Building on Tradition

PROPOSED CHANGE OF USE at GE.Hughes Depot
28 (Lot 3) Brettig Rd. LOBETHAL CT 5220/438
LANDSCAPE PLAN

Date:	Drawn:	Rev:	
22-10-2024	PL		PA07
Scale: 1 : 400	Dwg No: 1 of 1		

DESIGNING PLACES
19 POST OFFICE ROAD LOBETHAL
ABN 50 643 428 118
Ph 0424 364436

ORIGINAL SHEET SIZE A2

Hi Blake,

Thank you for your ongoing work on this application.

Please see attached amended drawings, with tree buffer zone extended further North.

Re: Hours of operation
[illegible]
[illegible]

The vehicle movements will typically be between:

[illegible]
[illegible]
[illegible]

All trucks are Euro 5 and Euro 6 low emission vehicles.

Kind Regards,

[illegible]

[illegible]

12 July 2024

Mr Duane Hughes
GE Hughes Construction Co
PO Box 200
Lobethal SA 5241

Our ref: GE Hughes Lobethal
Eastern Vehicle Hardstand
SMP
Revision: 0

GE Hughes, Lobethal Eastern Vehicle Hardstand Development - Stormwater Management Plan

1 Introduction

GE Hughes Construction Co commissioned DBN Consulting Engineers to prepare a Stormwater Management Plan (SMP) for a new vehicle hardstand at the Lobethal site. The proposed development consists of new gravel lined hardstand area to the east of the existing watercourse and hardstand area. The existing site and proposed eastern vehicle hardstand area is shown in Image 1.

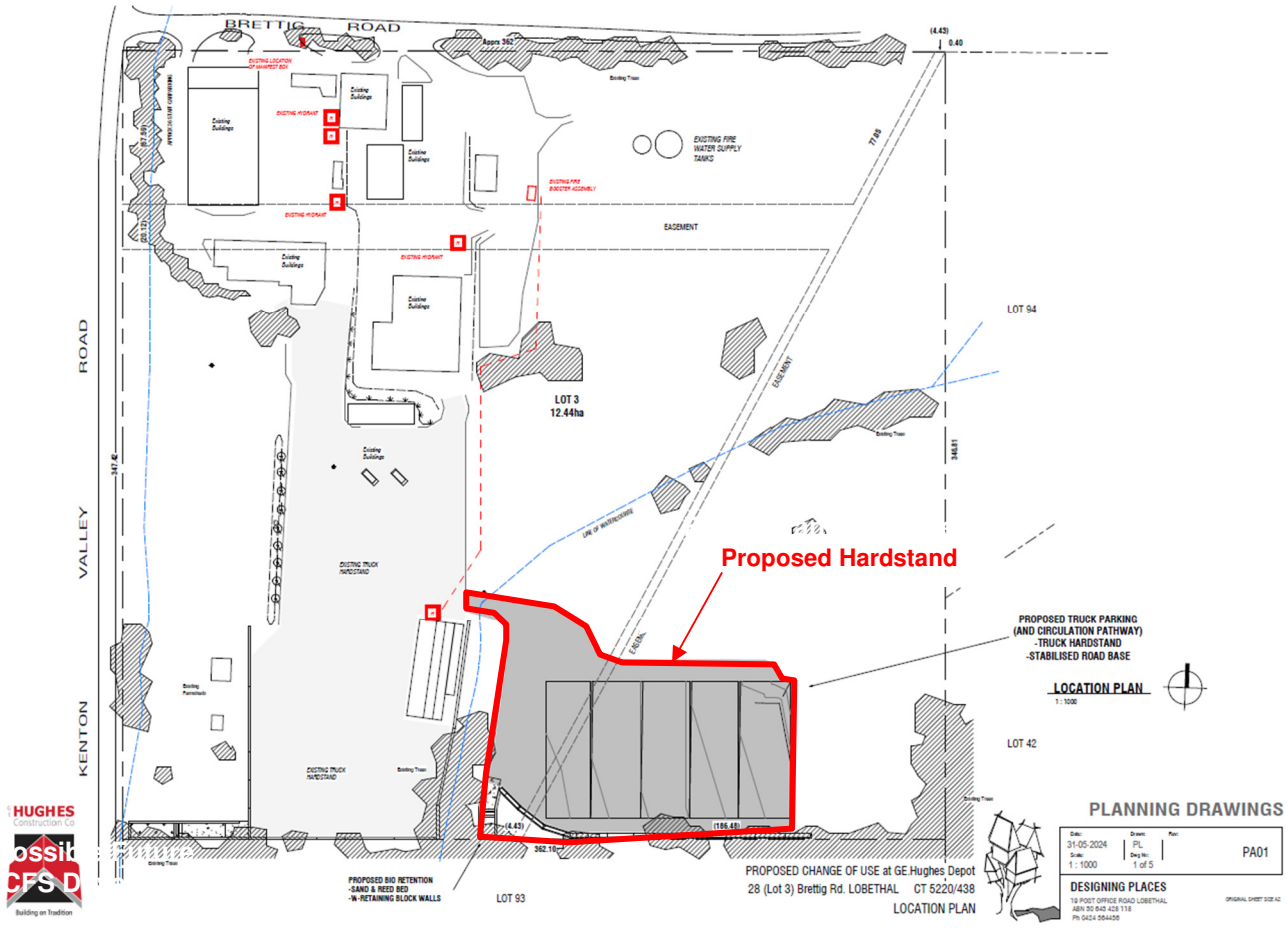


Image 1 – Site Location

2 Existing Stormwater System and Council Requirements

2.1 Existing Stormwater System

There is an existing watercourse that runs along the western side of the proposed vehicle hardstand extension. The existing watercourse exits the site between the existing and proposed hardstand areas and flows through the property to the south, towards Kenton Valley Road.

There is an existing flow path from the east that will need to be diverted around the proposed hardstand area. There is also a localised catchment on the northern boundary of the proposed hardstand area that will be diverted along the northern side of the proposed hardstand area.

2.2 Council Stormwater Management Requirements

Previous Adelaide Hills Council requirements for the existing hardstand area included:

1. A hydrological report to determine the impact of the works proposed in a mapped flood plain on the subject land and neighbouring properties.
2. A civil engineering plan for the works detailing retaining, compaction, stormwater quality and quantity management to manage a 1% Annual Exceedance Probability (AEP) storm event and ensure pre and post development flows are best managed.
    a. The post development 1% AEP peak post development flow rate from the proposed extent of development is not to exceed the pre-development 1% AEP peak flow rate from the proposed extent of development.
    b. Stormwater quality improvement measures are to be provided to ensure that there is an 80% reduction in Total Suspended Solids (TSS), 60% reduction in Total Phosphorus (TP) and 45% reduction in Total Nitrogen (TN).

The same Council requirements have been adopted for the proposed hardstand area.

3 Floodplain Mapping

Reference is made to DBN Consulting engineers report titled “GE Hughes, Lobethal Vehicle Hardstand Development – Stormwater Management Plan”, dated 30 April 2021 for hydrological and hydraulic modelling of the existing watercourse between the existing and proposed hardstand areas. Figure 02 – 1% AEP Flood Mapping and Proposed Mitigation Measures, from the 30 April 2021 report is shown in Appendix A.

Figure 02 shows that the 1% AEP flood extent is largely contained within the tree lined watercourse. Image 1 and the drawings in Appendix A show that the proposed hardstand area is on the eastern side of the existing tree lined watercourse and will not impact 1% AEP flows in the watercourse.

The existing DN450 mm pipe culvert crossing at the access point to the proposed hardstand area will be replaced by 2 x DN600 mm pipes. This will result in a minor reduction in the extent of flooding at the upstream end of the culvert crossing.

4 Proposed Development Stormwater Management Strategy

The stormwater management strategy for the proposed development is shown in the drawings in Appendix A and includes:

- A 300 mm high earth bund along the northern side of the proposed hardstand area to divert stormwater from a localised catchment on the northern side of the proposed hardstand area to the watercourse.
- A 300 mm high earth bund and a minimum 300 mm deep swale on the eastern side of the proposed hardstand area to intercept and divert stormwater runoff from the southeast catchment to a 400 mm deep swale along the southern side of the proposed hardstand area. The 400 mm deep swale along the southern side will discharge to a sediment forebay, upstream of a bioretention basin.
- A minimum 300 mm high earth bund and 400 mm deep swale on the western side of the proposed hardstand area.
- Concrete blocks (1 m^3) in the southwest corner of the sediment forebay and basin to form a detention basin. The top of the concrete blocks will be set at a level of RL438.35 m. A five metre section of concrete blocks will be lowered on the western side to a level of RL438.15 m to provide an overflow weir.
- A basin will be formed to provide detention storage and stormwater quality treatment. A 300 mm high rock check dam will be provided across the basin to create a sediment forebay. The sediment forebay will trap coarse sediment and allow easier removal to reduce the likelihood of bioretention vegetation being smothered by sediment. The basin will include 110 m^2 of bioretention that has an extended detention depth of 150 mm. The bioretention basin surface area will be set at RL437.30 m. The bioretention basin will include 450 mm filter media, 100 mm transition layer and 150 mm drainage layer (invert level of RL436.10 m). The basin will be planted with effective nutrient removal species and will not require a liner. Subsoil drains are to be provided at a spacing of 3 m and will connect to a 600 x 600 mm grated field inlet pit. A DN375 mm pipe will discharge through the concrete block wall at an invert level of RL436.60 m. A shallow swale will be required to convey stormwater from the DN375 mm outlet pipe to the watercourse. It is noted that the 1% AEP flood level at the point of discharge is approximately RL437.00 m, which has been considered in the design.

5 Vehicle Hardstand Stormwater Strategy Assessment

5.1 Post Development Catchment Plan

The post development catchment plan is shown in Image 2.

A summary of the post development catchment areas and percentage impervious is shown in Table 1. Refer to the DRAINS model layout it Appendix B for catchment ID.

Table 1 – Summary of the Post Development Catchment Areas and % Impervious

Catchment/Pit ID	Total Area (m^2)	Impervious Area (m^2)	% Impervious
cSouthEast	24,878	0	0%
cPropPad	10,276	10,276	100%

Image 2 – Post Development Catchment Plan

5.2 DRAINS Modelling

A DRAINS model (hydrologic and hydraulic modelling software) was established to calculate the 1% AEP pre and post development peak discharges from the site. The following data was input and assumptions made to establish the pre and post development conditions DRAINS models:

- Pre-development catchments are assumed to be 100% pervious.
- The post development percentage impervious is shown in Table 1.
- Impervious and pervious area depression storages equal 1 mm and 5 mm respectively.
- Soil type equals 3.
- Antecedent moisture condition equals 2.5.
- Grated Field Inlet will have a surface level of RL437.45 m, providing 150 mm of extended detention. The 150 mm deep extended detention depth has not been included in the detention storage calculations.

5.2.1 DRAINS Modelling Results

The pre and post development DRAINS models were simulated for a range of storm durations for the 1% AEP storm event, using Australian Rainfall and Runoff, 2016 Temporal Patters and Bureau of Meteorology, Intensity Frequency Duration data. The pre and post development 1% AEP flow rates from the site are 684 L/s and 327 L/s, respectively. The detention basin is providing a significant reduction in the 1% AEP flow compared to pre-development conditions.

The DRAINS model configuration and 1% AEP pre and post development DRAINS modelling results are shown in Appendix B. The peak 1% AEP water level in the basin is RL438.05 m or 100 mm lower than the overflow weir level. The 400 mm deep swale along the southern side of the proposed hardstand

area has approximately 130 mm freeboard in a 1% AEP storm event. A section approximately halfway along the swale is shown in Image 3. The 1% AEP flood level in the swale is shown in the section.

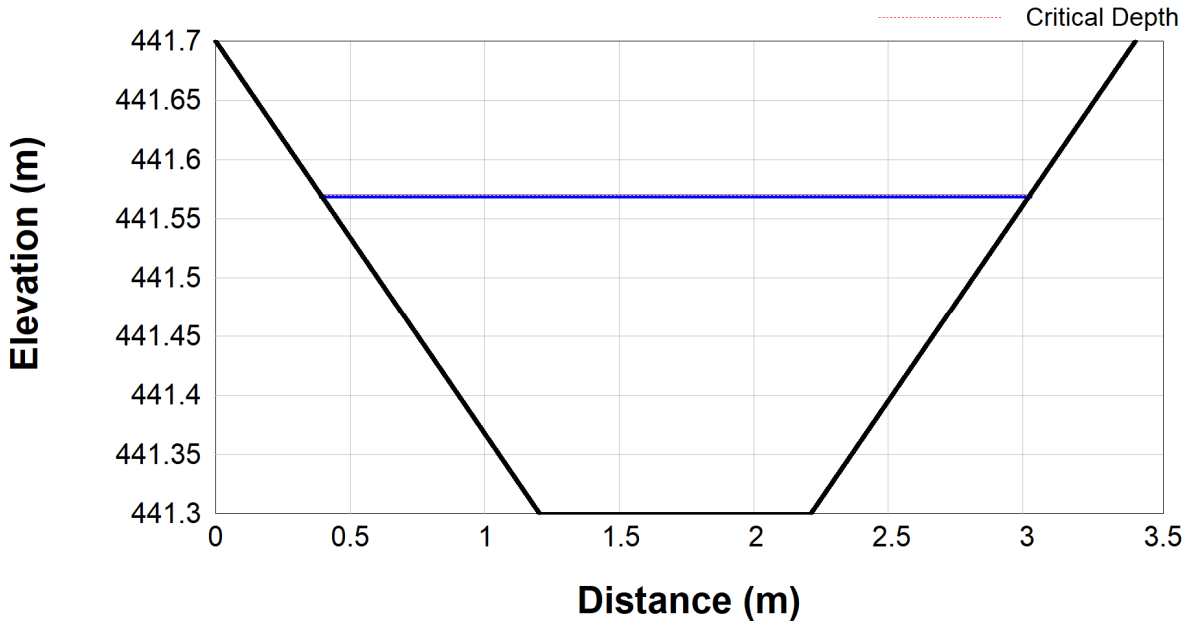


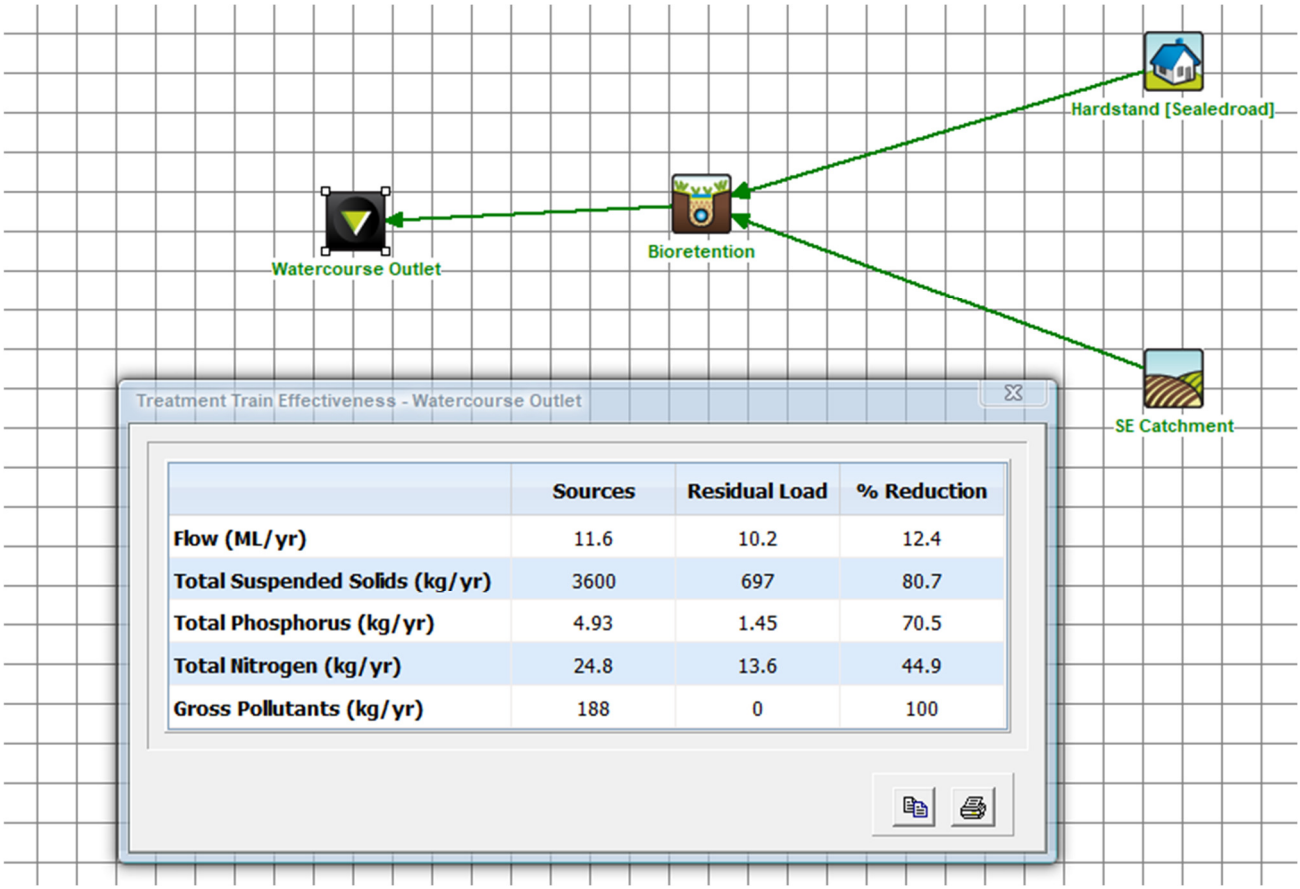
Image 3 – Section Halfway along the Southern Swale

5.3 Stormwater Quality Improvement

The basin will be provided with a sediment forebay at the northern end of the basin. A 300 mm high rock check dam will help to temporarily pond stormwater in the sediment forebay and promote settling of coarse sediment. Overflows from the sediment forebay will be directed to the biofiltration area of the basin. A biofiltration area of 110 m^2 will be provided in the southwest corner of the basin. The biofiltration area will treat stormwater runoff, including the removal of any oil, prior to discharge to the receiving watercourse.

A MUSIC model (water quality model) was established to simulate the performance of the proposed basin. The MUSIC model was simulated using 10 years of 6 minute Mount Crawford rainfall from 1 January 2000 to 31 December 2009.

The MUSIC model configuration and pollutant percentage reductions are shown in Image 4. The proposed stormwater quality improvement measures are adequate to meet Council's pollutant reduction targets of 90% Gross Pollutants, 80% Total Suspended Solids, 60% Total Phosphorus and 45% Total Nitrogen.



	Sources	Residual Load	% Reduction
Flow (ML/yr)	11.6	10.2	12.4
Total Suspended Solids (kg/yr)	3600	697	80.7
Total Phosphorus (kg/yr)	4.93	1.45	70.5
Total Nitrogen (kg/yr)	24.8	13.6	44.9
Gross Pollutants (kg/yr)	188	0	100

Image 4 – MUSIC Model layout and treatment train effectiveness

5.4 Vegetation Selection

It is recommended that the biofiltration area of the basin is planted with a high density of drought tolerant plant species. The biofiltration area should be planted extensively; at a density of 4 plants/m^2, depending on the growth form. Image 5 shows a selection of high nitrogen removal plant species. Shrubs and trees should be planted at a density of < 1 plant/m^2. Mulch is not recommended as it tends to float and block outlets. The sediment forebay area does not need to be planted because sediment will need to be periodically removed with an excavator.

Objective	Effective
Nitrogen removal	· *Baumea juncea* · *Baumea rubiginosa* · *Carex appressa* · *Carex tereticaulis* · *Ficinia nodosa* · *Goodenia ovata* · *Juncus amabilis* · *Juncus flavidus* · *Juncus pallidus* · *Juncus subsecundus* · *Melaleuca ericifolia* · *Melaleuca incana* · *Melaleuca lateritia*

Image 5 – High Nitrogen Removal Plant Species (CRC for Water Sensitive Cities)

6 Maintenance

The following inspection and maintenance measures are recommended to maintain the integrity of the stormwater system:

- Inspect inlet pits monthly for the first 12 months to establish a cleaning regime.
- Inspections to check for an excess of sediment, erosion or boggy conditions in the basin. Excess sediment should be removed to as close to original design levels as possible and erosion should be repaired by filling with sandy loam material and rock ballast if erosion continues to be a high risk.
- Regular pruning and weeding to remove any foreign species and any diseased plantings, to promote new growth.
- Monitor vegetation closely during the first year to ensure plants are becoming established and have sufficient water. Some irrigation may be required to establish new plants. Dead plants should be replaced with new plants.
- Check that the basin outlet pipe is not blocked by vegetation matter or other debris.
- Inspection and removal of gross pollutants.
- Check for erosion in the swales and repair using rock rip-rap over a Bidim A44 geofabric.

Routine maintenance inspections should be undertaken every month and/or after rainfall events totalling 15 mm or more.

7 Conclusion

A stormwater management strategy has been developed for the proposed vehicle hardstand area.

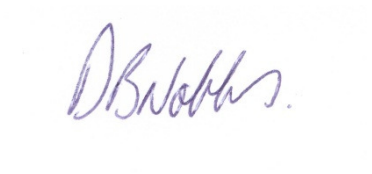
Flood mapping was undertaken for the previous hardstand area on the eastern side of the proposed hardstand area. The hydrologic and hydraulic modelling undertaken and documented in DBN Consulting

engineers report titled “GE Hughes, Lobethal Vehicle Hardstand Development – Stormwater Management Plan”, dated 30 April 2021 is relevant to the proposed hardstand area. Modelling shows that the proposed hardstand area is not within the 1% AEP flood extent. The existing DN450 mm culvert crossing used to access the eastern paddock will be upgraded to 2 x DN600 mm pipes, which will reduce upstream flooding extents.

DRAINS modelling showed that the proposed basin will reduce the 1% AEP post development flow rate to less than the existing conditions 1% AEP flow rate. The proposed sediment forebay and biofiltration area of 110 m^2 are sufficient to meet Council’s pollutant reduction targets of 80% TSS, 60% TP and 45% TN removal.

If you have any queries regarding this report please contact the undersigned on 0422 150 775.

Yours faithfully
DBN Consulting Engineers Pty Ltd



Dean Nobbs
Director
0422 150 775

Appendix A - Figures

Figure 2 – 1% AEP Flood Mapping and Proposed Mitigation Measures from 30 April 2021 report
Proposed Hardstand Area Drawings

1:500

GRID N

Map projection: Universal Transverse Mercator
Horizontal datum: Geocentric Datum of Australia 1994
Grid: Map Grid of Australia, Zone 54

DBN Consulting Engineers Pty Ltd
M 0422 150 775 E deannobbs@internode.on.net

GE Hughes Construction
Truck Parking Hardstand
1% AEP Flood Mapping and
Proposed Mitigation Measures
30 | April 2021

job no. ADL0219
rev no. B

Figure 02

BRETTIG ROAD

ROAD

VALLEY

KENTON

Apprx 362

(4.43)

0.40

EXISTING LOCATION OF MANIFEST BOX

APPROX 36 STAFF CARPARKING

(67.59)

(20.12)

Existing Buildings

EXISTING HYDRANT

Existing Trees

EXISTING FIRE WATER SUPPLY TANKS

EXISTING FIRE BOOSTER ASSEMBLY

77.05

EASEMENT

LOT 94

LOT 3
12.44ha

347.42

EXISTING TRUCK HARDSTAND

LINE OF WATERCOURSE

346.81

Existing Farmsheds

(186.48)

(4.43)

362.10

PROPOSED TRUCK PARKING
(AND CIRCULATION PATHWAY)
-TRUCK HARDSTAND
-STABILISED ROAD BASE

PROPOSED BIO RETENTION
-SAND & REED BED
-W-RETAINING BLOCK WALLS

LOT 93

LOT 42

LOCATION PLAN

1 : 1000

PROPOSED CHANGE OF USE at GE.Hughes Depot
28 (Lot 3) Brettig Rd. LOBETHAL CT 5220/438
LOCATION PLAN

PLANNING DRAWINGS

Date:	Drawn:	Rev:	
11-07-2024	PL		PA01
Scale: 1 : 1000	Dwg No: 1 of 5		

DESIGNING PLACES
19 POST OFFICE ROAD LOBETHAL
ABN 50 643 428 118
Ph 0424 364436

ORIGINAL SHEET SIZE A2

GE HUGHES Construction Co
Building on Tradition

2x 600dia REINFORCED CONCRETE PIPES
CULVERT FOR HEAVY VEHICLE
-FARM VEHICLE ACCESS
-SAPN POWER ASSET ACCESS

EXISTING STOBIE POLE

107600
68130
19600 | 22000 | 21500 | 21500 | 23000

EASEMENT

EARTH BUND

ADDITIONAL
STAFF VEHICLE
PARKING

APPROX LINE OF EXISTING WATERCOURSE

EARTH BUND

min2600w EARTH SWALE

RL 437.914

RL 437.500

tow. 438.350

BLOCK WALL

9100

4100

LOWER SECTION OF
BLOCK WALL (-200)
OVERFLOW WEIR

5000

tow. 438.150

Approx 24274

EXISTING BLOCK WALL

detail1
PA05

PROPOSED BIO RETENTION
-SAND & REED BED
-W-RETAINING BLOCK WALLS

RL 436.988
tow. 438.350
RL 437.450
'FILTERING' ROCK
-CHECK DAM
RL 436.880
tow. 438.350
RL 437.300
BLOCK WALL
BLOCK WALL
BLOCK WALL
RL 436.715
RL 436.861
tow. 438.350
tow. 438.002
RL 436.450
Approx 13971

1x1x1m HIGH CONC. BLOCKS
1500 HIGH
INSTALLED LEVEL
ON BOUNDARY -WHERE SHOWN
32000

STORMWATER PIPE THRU TO CREEK OUTLET
-RIP-RAP ROCK SCOUR
-WATER INTO NATURAL WATERCOURSE

sk2
PA04

EARTH BUND

NATURAL GROUND SLOPE 1:13

LEVEL W-NGL
RL 438.380
RL 438.530
RL 439.600
RL 439.800
RL 440.820
RL 441.015
RL 442.200
RL 442.340
RL 444.200
RL 444.660
RL 445.959
RL 447.712

RAMP **OFF**
RAMP **OFF**
RAMP **ON**
RAMP **ON & THRU**

1:100 RISE
1:100 RISE
1:100 RISE

1m x 1m 456deg BATTER
1m x 1m 456deg BATTER
1m x 1m 456deg BATTER
1m x 1m 456deg BATTER

EXISTING STOBIE POLE

1. 2. 3. 4. 5.

CROSS FALL 0.9% GRADE
LEVEL ACROSS
CROSS FALL
LEVEL ACROSS
CROSS FALL
LEVEL ACROSS
CROSS FALL
LEVEL ACROSS
CROSS FALL
LEVEL ACROSS

RAMP ROAD
DOWN
BATTER DOWN 1:10.5

CUT
CUT
CUT
CUT

RL 443.561

EARTH BUND

PASS-THRU PAD
-NO PARKING

RL 443.700

(NGL LEVEL)

min2600w EARTH SWALE

RL 443.600

(NGL LEVEL)

PROPOSED TRUCK PARKING
-TRUCK HARDSTAND
-STABILISED ROAD BASE

APPROX. SHADED AREA
(RUBBLE BASE HARDSTAND)
10500m2

ADDITIONAL SCREEN PLANTING ALONG BOUNDARY LINE:
-LOW FLAMMABILITY SPECIES

SILVER BANKSIA FEATURE TREE 3 TO 5M.
BANKSIA MARGINATA
LEAVES GREEN ON TOP, SILVER BELOW. YELLOW FLOWERS. ON CYLINDRICAL CONE, SPRING TO AUTUMN. RESPONDS TO PRUNING; CAN PRUNE TO SINGLE TRUNK. INTERESTING FOLIAGE AND SEED PODS. USES: FEATURE PLANT, STREETSCAPING.

STICKY HOP-BUSH ERECT SHRUB TO 3M.
DODONAEA VISCOSA
BRIGHT GREEN STICKY LEAVES. GREEN FLOWERS IN WINTER, RED SEED PODS IN SPRING. RESPONDS TO PRUNING, CAN 'TOP' ONCE REACHES DESIRED HEIGHT. USES: SCREEN OR HEDGE. WELL-DRAINED SOILS.

RL 441.008
RL 439.857
RL 438.567
RL 438.000
RL 440.399
RL 440.292
RL 440.030
RL 441.065
RL 442.390

(-530)
(-1150)
(-1150)
(-1150)
(-1150)

MODIFIED CONSTANT SLOPE 1:33
(+600 FROM NGL LEVEL)
min.3% cross fall (-180mm)

(+560 FROM NGL)
MODIFIED CONSTANT SLOPE 1:17
min.3% cross fall (-180mm)

min2600w EARTH SWALE

ADDITIONAL SCREEN PLANTING

EARTH BUND
RL 437.550

sk1
PA04

SETBACKS 1600w EARTH SWALE
1600 | 1400 | 3000

60000
9400

439.0 440.0 441.0 442.0 443.0 444.0 445.0 446.0 447.0 448.0 449.0 450.0 451.0 452.0 453.0

436.0 437.0 438.0 439.0 440.0 441.0 442.0 443.0 444.0 445.0 446.0 447.0 448.0 449.0 450.0 451.0 452.0

LEGEND:

- PROPOSED BIO-RETENTION -SELECTED SAND / REED BED
- PROPOSED STORMWATER SWALES SWALE TYPICAL =1m BASE, 0.4m DEEP, 1vert : 3horz BATTER
- PROPOSED ROCK CHECK EROSION CONTROL/DAMS &RIP-RAP ROCK BEDS
- PROPOSED LOW HEIGHT EARTH BUNDING 300h (max 500h)
- PROPOSED EXTENT OF PONDING AREA

SITE PLAN
1 : 400
0 1 2 4 8

G E **HUGHES**
Construction Co
Building on Tradition

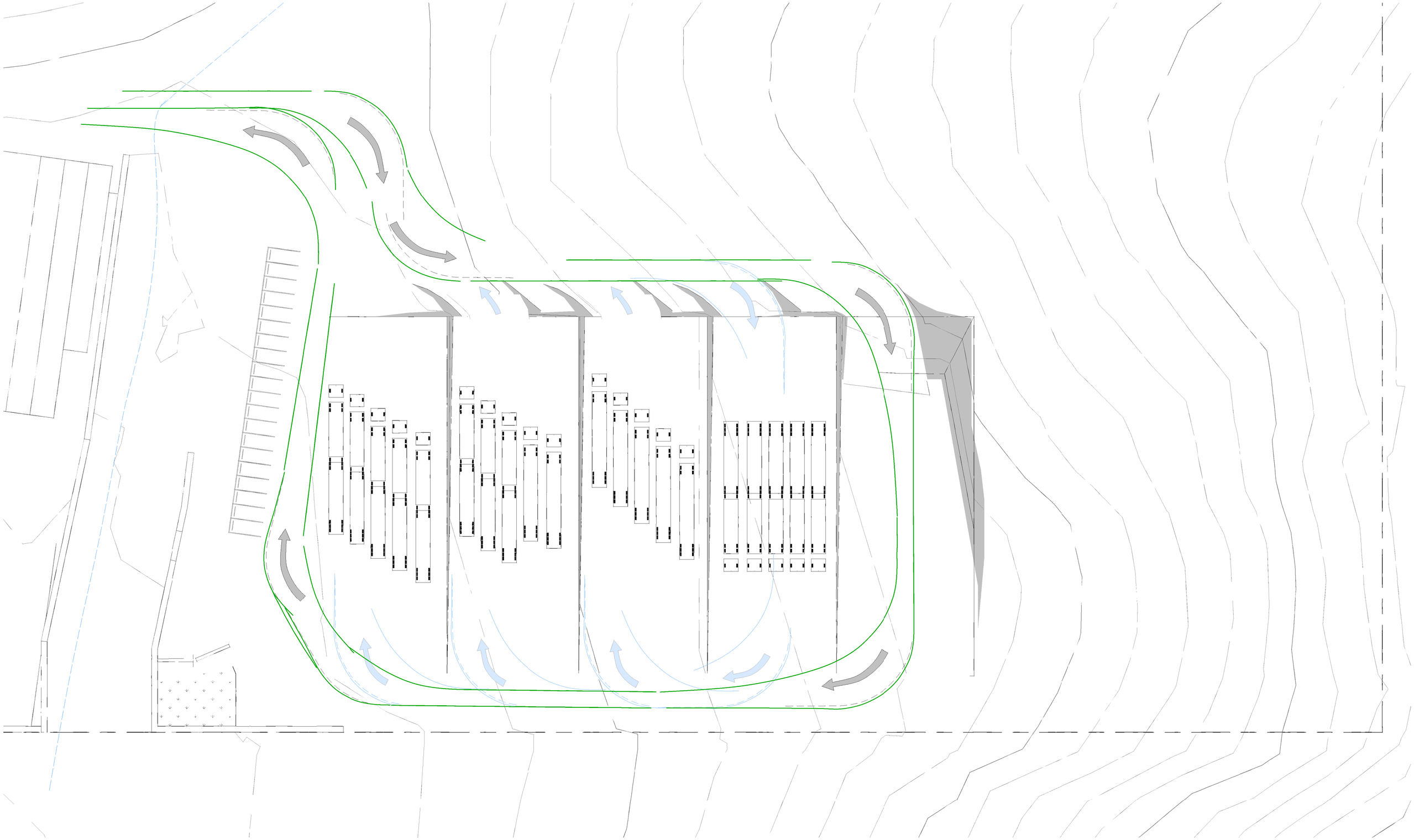
PLANNING DRAWINGS

PROPOSED CHANGE OF USE at GE.Hughes Depot
28 (Lot 3) Brettig Rd. LOBETHAL CT 5220/438
SITE PLAN

Date:	Drawn:	Rev:	
11-07-2024	PL		PA02
Scale: 1 : 400	Dwg No: 2 of 5		

DESIGNING PLACES
19 POST OFFICE ROAD LOBETHAL
ABN 50 643 428 118
Ph 0424 364436

ORIGINAL SHEET SIZE A2



G E HUGHES
Construction Co
Building on Tradition

SITE PLAN
1 : 400
0 1 2 4 8

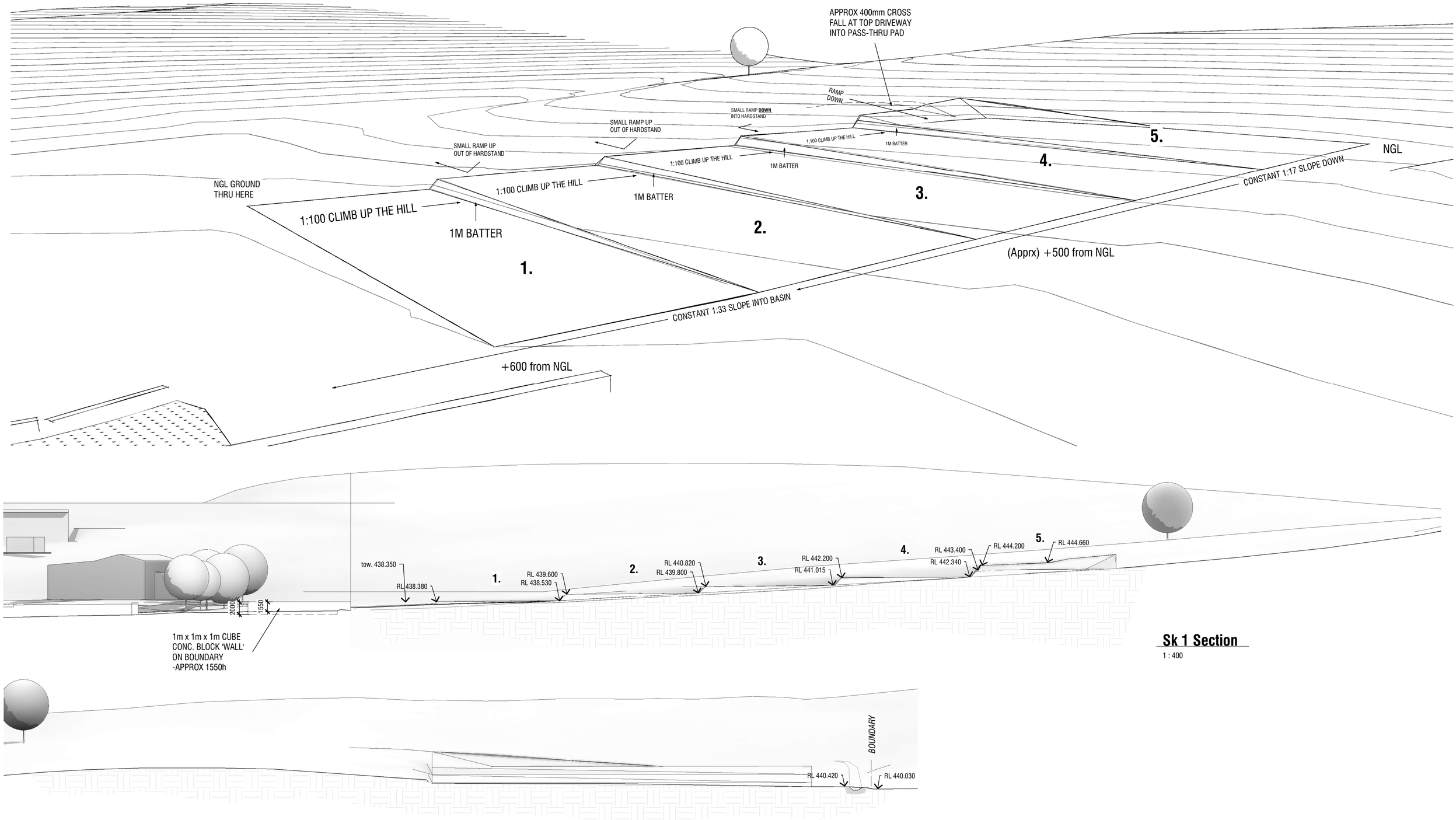
PROPOSED CHANGE OF USE at GE.Hughes Depot
28 (Lot 3) Brettig Rd. LOBETHAL CT 5220/438
SITE PLAN

PLANNING DRAWINGS

Date:	Drawn:	Rev:	
11-07-2024	PL		PA03
Scale: 1 : 400	Dwg No: 3 of 5		

DESIGNING PLACES
19 POST OFFICE ROAD LOBETHAL
ABN 50 643 428 118
Ph 0424 364436

ORIGINAL SHEET SIZE A2



Sk 1 Section

1 : 400

Sk 2 Section

1 : 400

G E HUGHES Construction Co

Building on Tradition

PROPOSED CHANGE OF USE at GE.Hughes Depot

28 (Lot 3) Brettig Rd. LOBETHAL CT 5220/438

DETAILS

PLANNING DRAWINGS

Date:	Drawn:	Rev:	
11-07-2024	PL		PA04
Scale:	Dwg No:		
1 : 400	4 of 5		

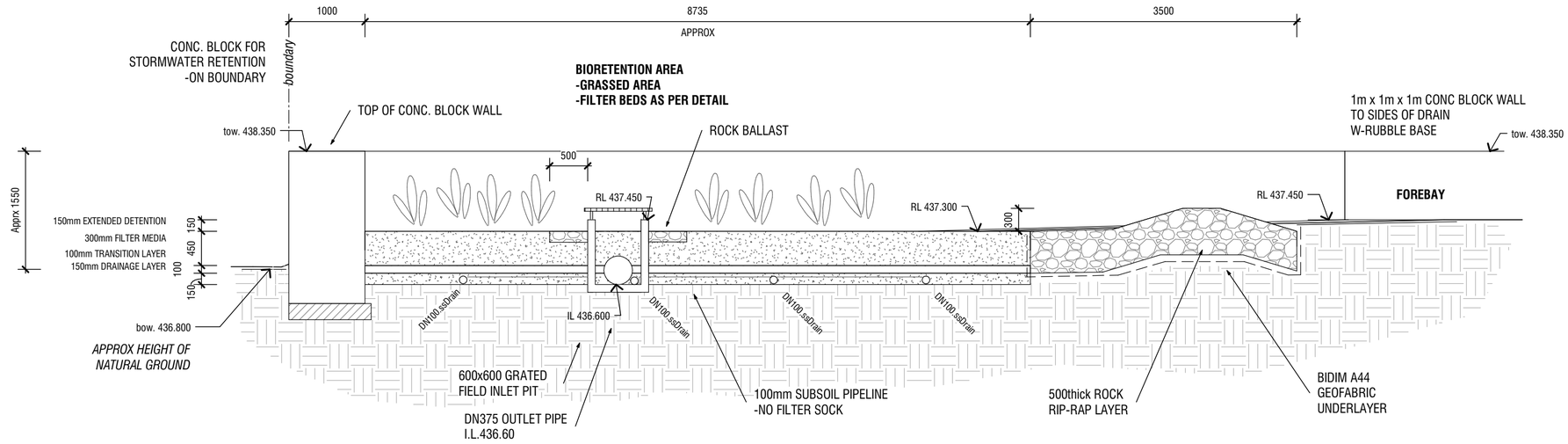
DESIGNING PLACES

19 POST OFFICE ROAD LOBETHAL

ABN 50 643 428 118

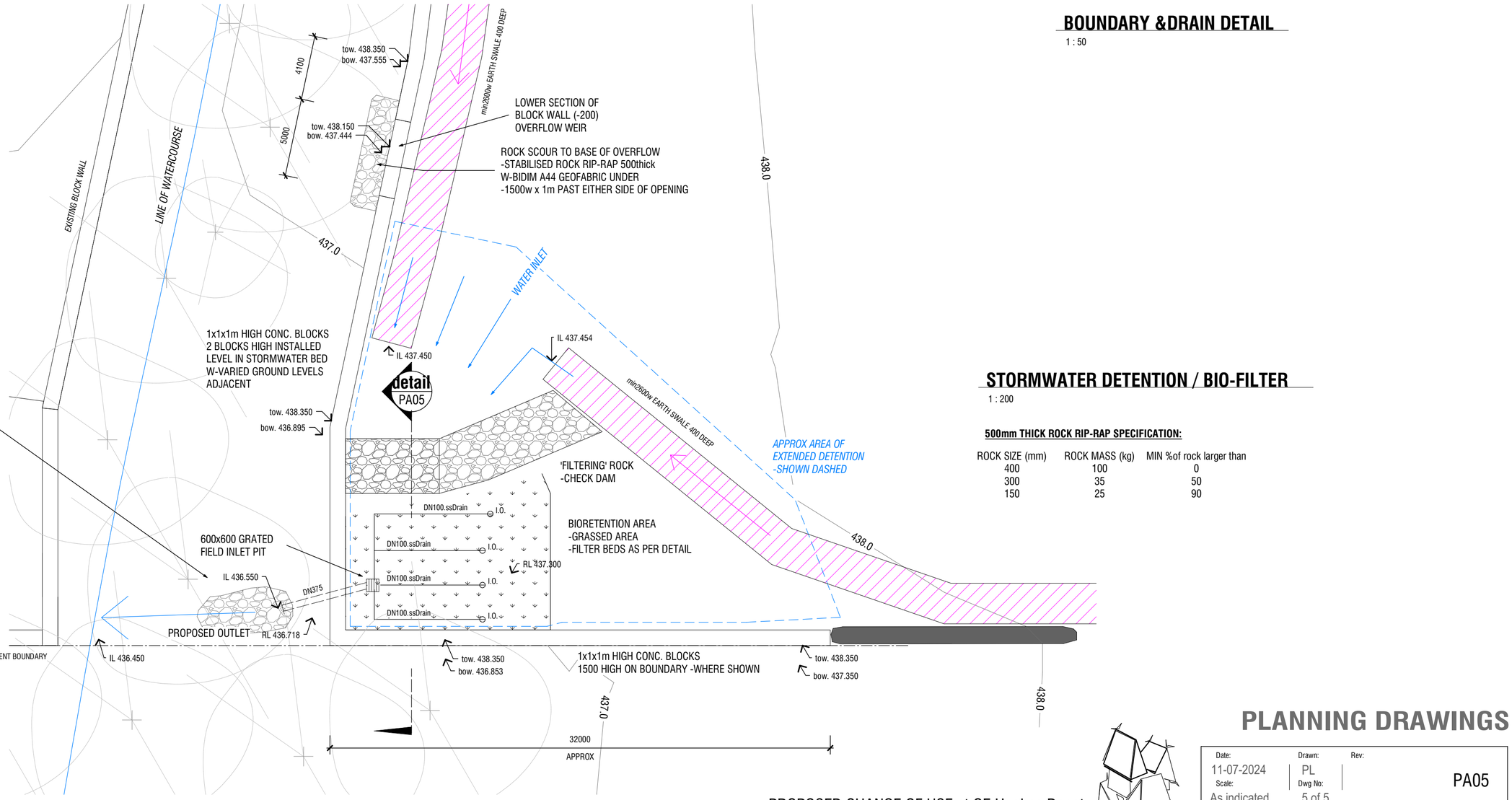
Ph 0424 364436

ORIGINAL SHEET SIZE A2



BOUNDARY &DRAIN DETAIL

1 : 50



STORMWATER DETENTION / BIO-FILTER

1 : 200

500mm THICK ROCK RIP-RAP SPECIFICATION:

ROCK SIZE (mm)	ROCK MASS (kg)	MIN %of rock larger than
400	100	0
300	35	50
150	25	90

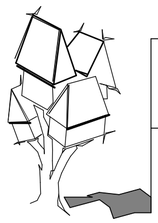
G E HUGHES Construction Co

Building on Tradition

PROPOSED CHANGE OF USE at GE.Hughes Depot

28 (Lot 3) Brettig Rd. LOBETHAL CT 5220/438

DETAILS



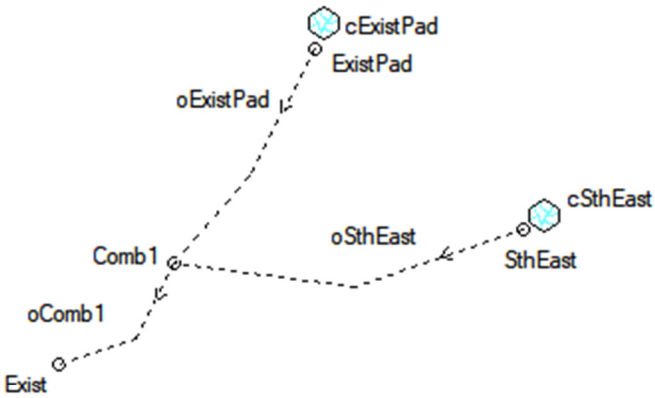
PLANNING DRAWINGS

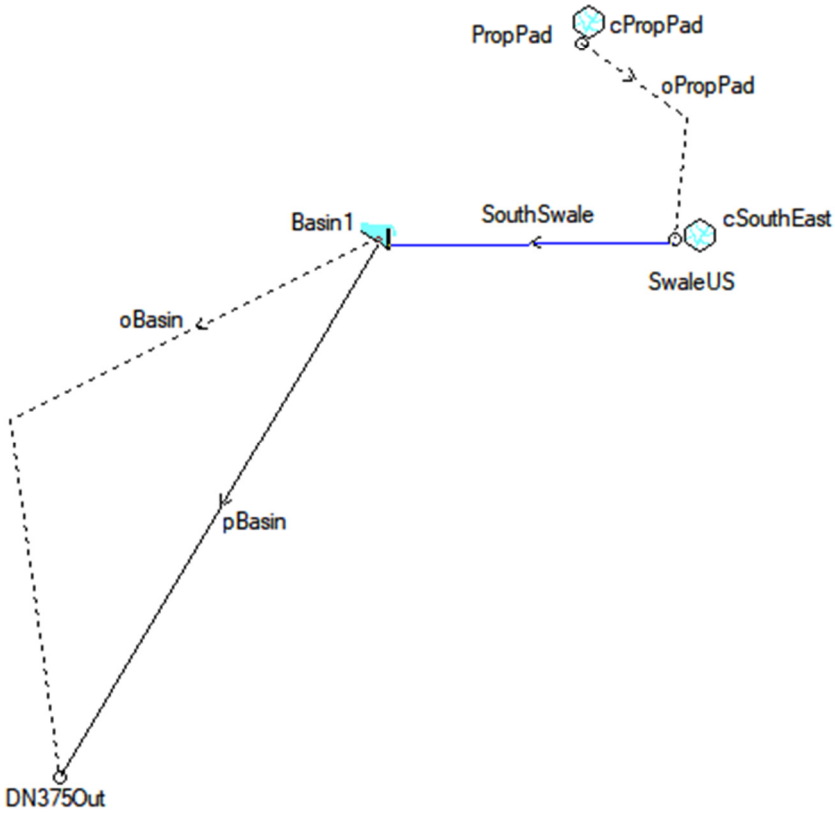
Date:	Drawn:	Rev:	
11-07-2024	PL		PA05
Scale:	Dwg No:		
As indicated	5 of 5		

DESIGNING PLACES
19 POST OFFICE ROAD LOBETHAL
ABN 50 643 428 118
Ph 0424 364436

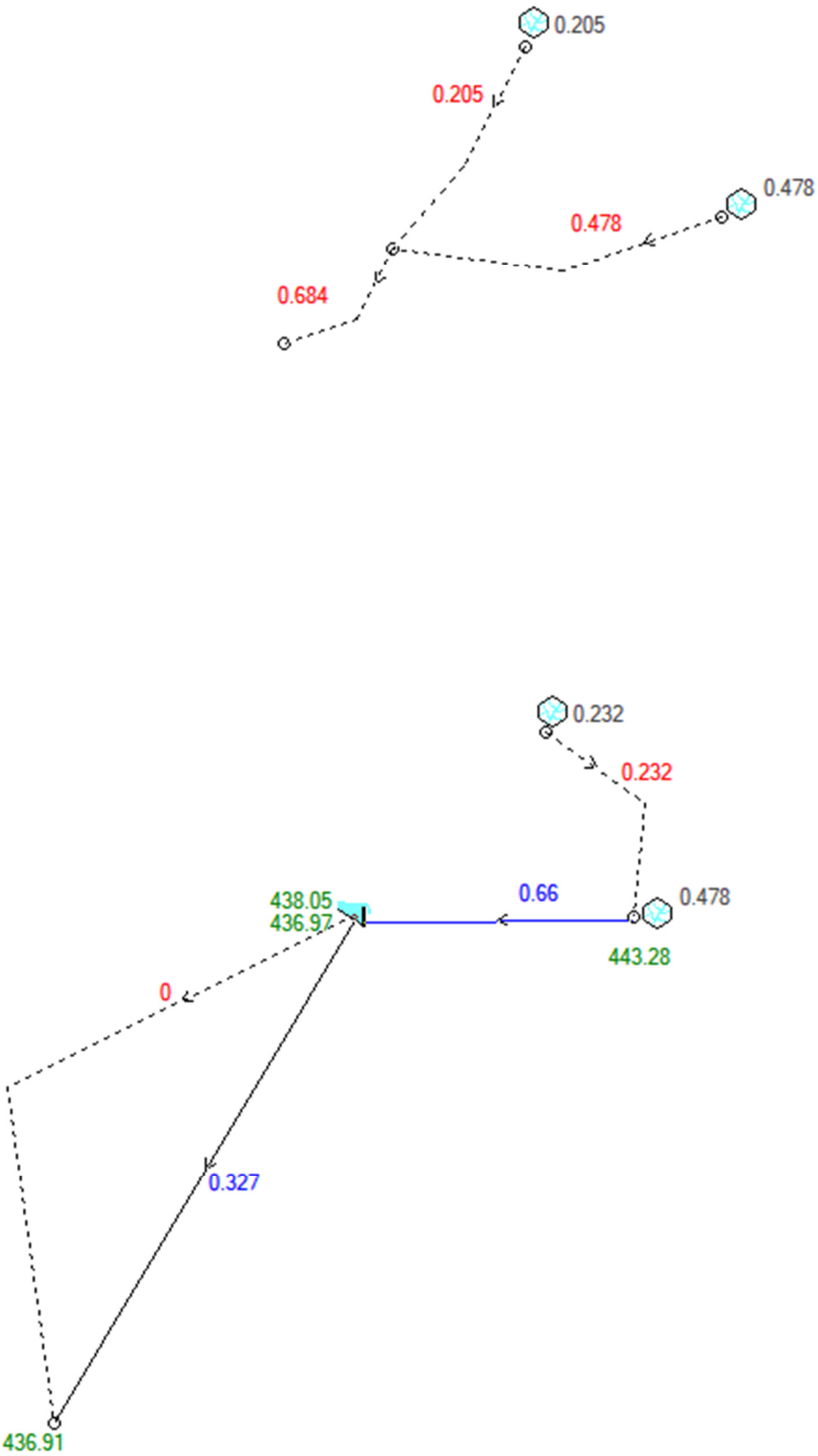
ORIGINAL SHEET SIZE A2

Appendix B – DRAINS Model Results





DRAINS Model Layout (above)



1% AEP DRAINS Model Results (above)

DEVELOPMENT APPLICATION – NATIVE VEGETATION DECLARATION

Date of application:	20/06/2024	
Location of proposed development:		
House no.: 4	Lot no.:	Street: BRETTIG ROAD
Town/Suburb: LOBETHAL		
Section no.:		Hundred:
Volume:		Folio:

Nature of proposed development:

TRUCK AND TRAILER PARKING ZONE

I: DUANE HUGHES declare that:

☑ The proposed development will not or would not, involve the clearance of Native Vegetation under the *Native Vegetation Act 1991*, including any clearance that may occur in connection with a relevant access point and/or driveway, and/or within 10 metres of a building (other than a residential building or tourist accommodation), and/or within 20 metres of a dwelling or addition to an existing dwelling for fire prevention and control, and/or within 50 metres of residential or tourist accommodation in connection with a requirement under a relevant overlay to establish an asset protection zone in a bushfire prone area.

☐ The application is supported by a report prepared in accordance with Regulation 18(2)(a) of the Native Vegetation Regulations 2017 that establishes clearance is categorised as 'Level 1 clearance' (for more information, please use the link below*). Please upload the report in relation to native vegetation on the next page.

☐ No report or declaration supplied with this application.

*Regulation 18(2)(a) of the Native Vegetation Regulations 2017

Signed: Date: 20/06/2024

☐ *If being lodged electronically please tick to indicate agreement to this declaration.*

Published by the Chief Executive of the Department of Planning, Transport and Infrastructure on 31 July 2019

Product	Register Search Plus (CT 5220/438)
Date/Time	15/07/2024 01:45PM
Customer Reference	
Order ID	20240715006813

REAL PROPERTY ACT, 1886
South Australia

The Registrar-General certifies that this Title Register Search displays the records maintained in the Register Book and other notations at the time of searching.

Certificate of Title - Volume 5220 Folio 438

Parent Title(s) CT 4281/228

Creating Dealing(s) CONVERTED TITLE

Title Issued 14/10/1994 **Edition** 5 **Edition Issued** 11/05/2016

Estate Type

FEE SIMPLE

Registered Proprietor

HUGHES PROPERTIES PTY. LTD. (ACN: 093 164 017)
OF 7 GUMERACHA ROAD LOBETHAL SA 5241

Description of Land

ALLOTMENT 3 FILED PLAN 125204
IN THE AREA NAMED LOBETHAL
HUNDRED OF ONKAPARINGA

Easements

SUBJECT TO EASEMENT(S) OVER THE LAND MARKED A AND B TO THE ELECTRICITY TRUST OF SOUTH AUSTRALIA (T 1580366 AND T 2860571 RESPECTIVELY)

Schedule of Dealings

Dealing Number	Description
12572327	MORTGAGE TO WESTPAC BANKING CORPORATION (ACN: 007 457 141)

Notations

Dealings Affecting Title NIL

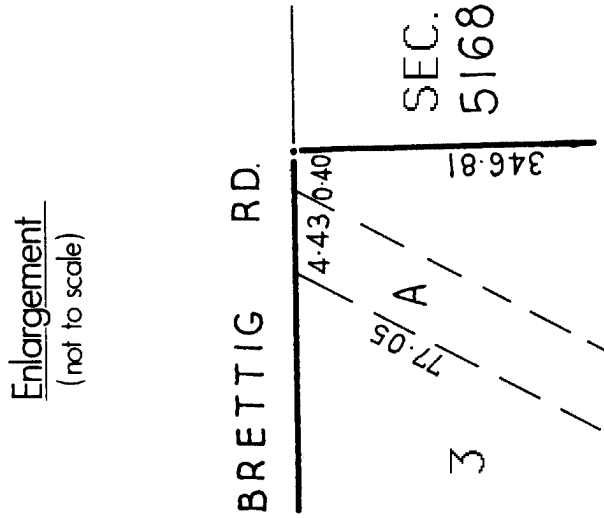
Priority Notices NIL

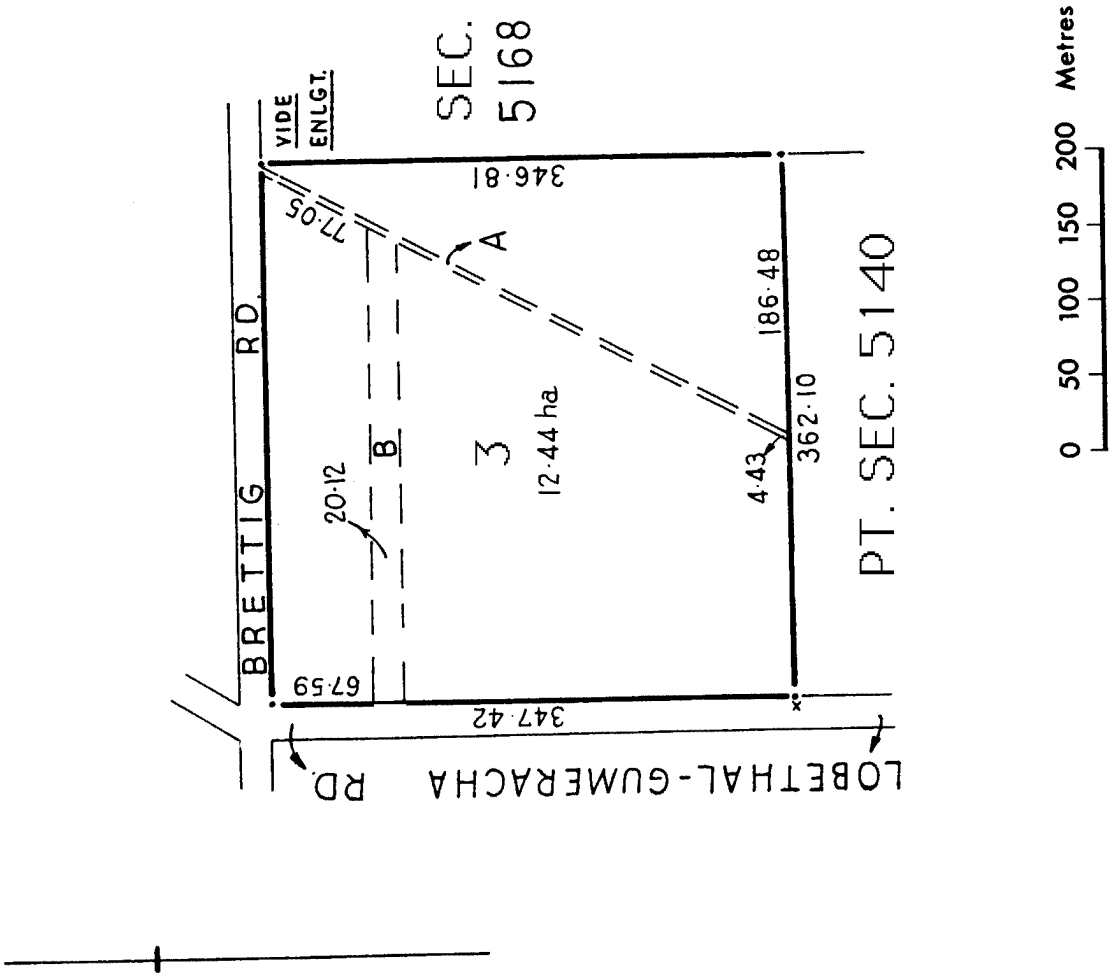
Notations on Plan NIL

Registrar-General's Notes

APPROVED FX53952

Administrative Interests NIL





This plan is scanned from Certificate of Title 4281/228

See title text for easement details.

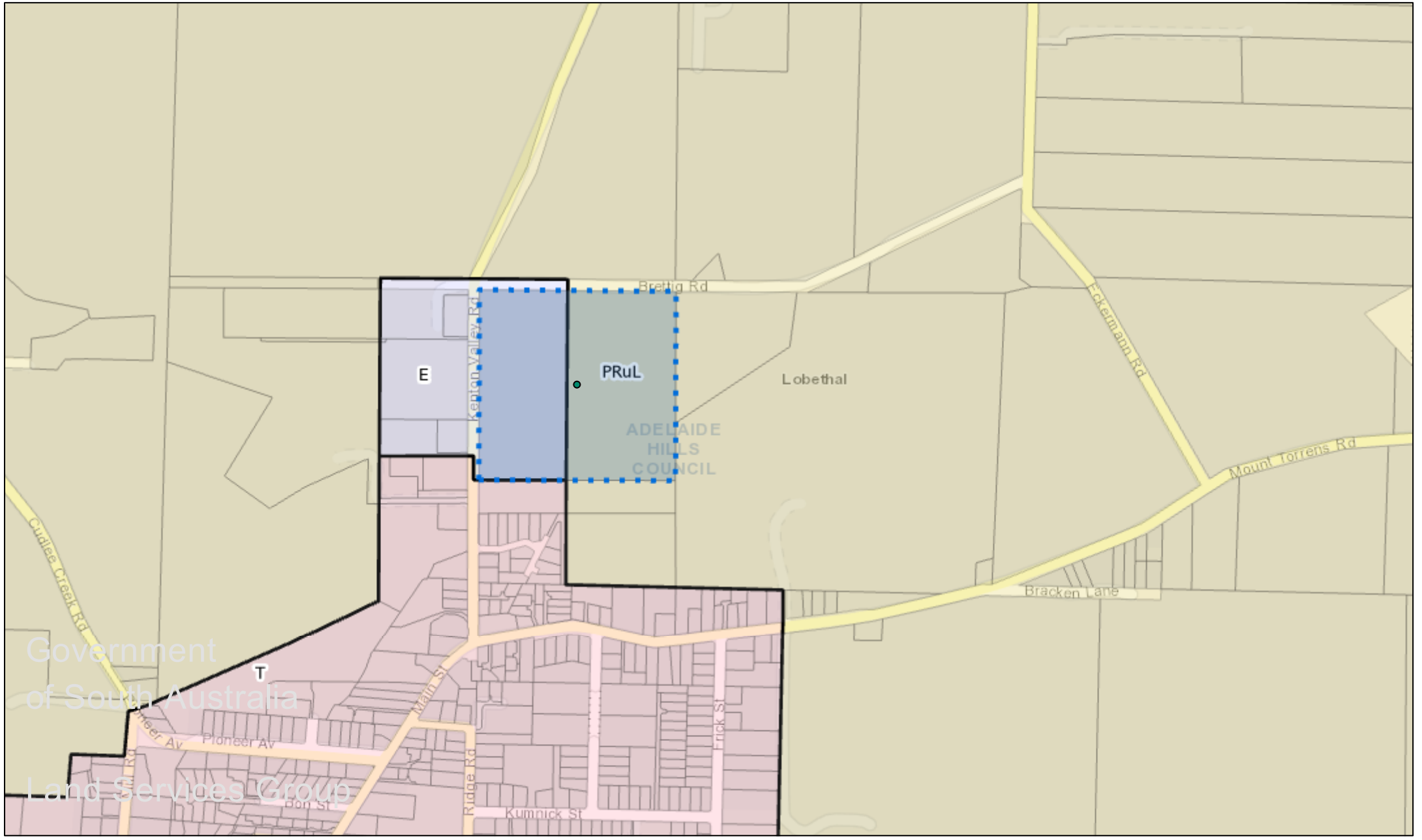
Note : Subject to all lawfully existing plans of division

SAPPA Report

The SA Property and Planning Atlas is available on the Plan SA website: https://sappa.plan.sa.gov.au

Date created:
November 22, 2024

Subject land - Zoning Map

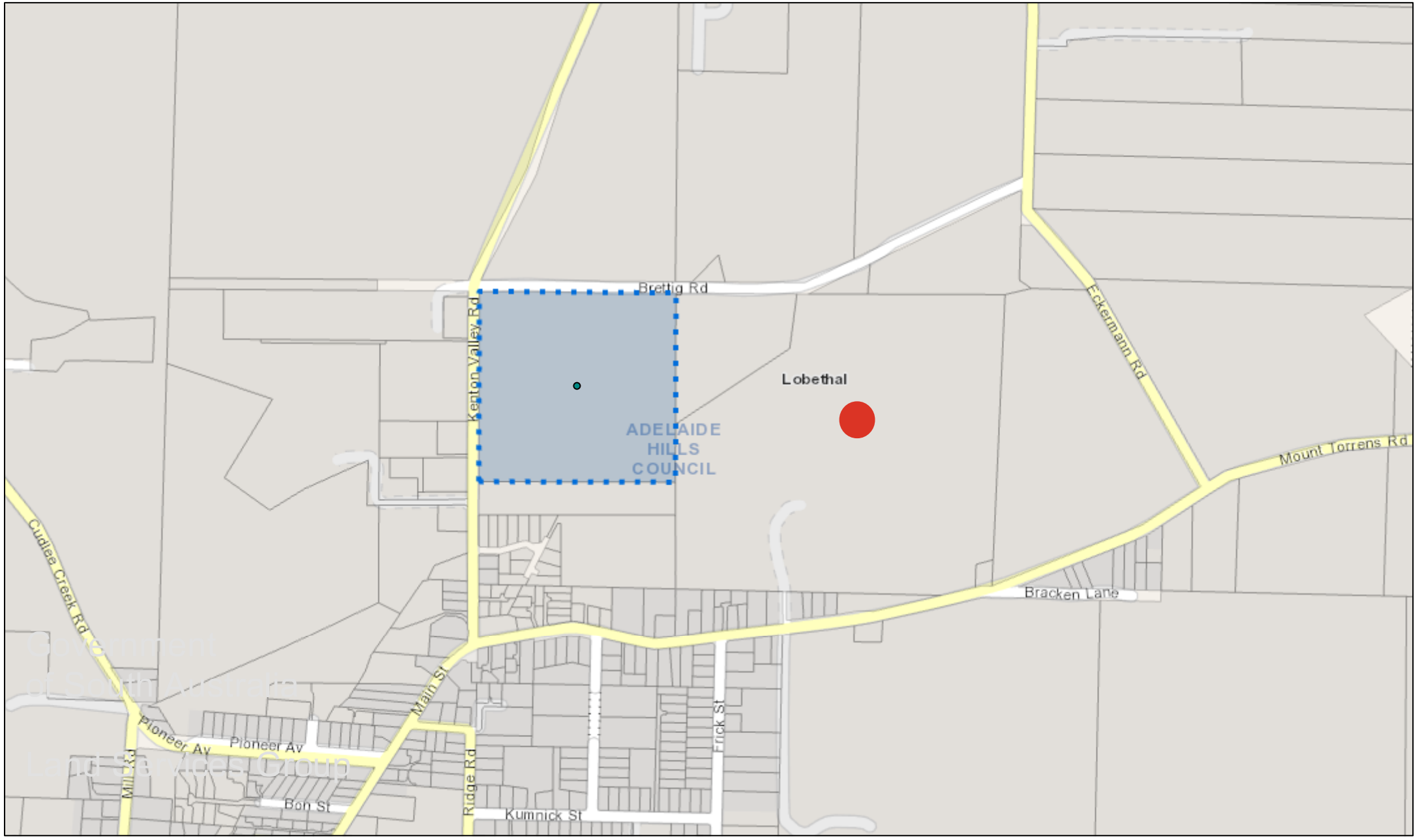


SAPPA Report

The SA Property and Planning Atlas is available on the Plan SA website: https://sappa.plan.sa.gov.au

Date created:
November 22, 2024

Subject land and Representor location in red.



Disclaimer: The information provided above, is not represented to be accurate, current or complete at the time of printing this report. The Government of South Australia accepts no liability for the use of this data, or any reliance placed on it.

Details of Representations

Application Summary

Application ID	24021301
Proposal	Proposed Change of use for South-East corner of Block of land. Proposed truck parking, semi-permeable rubble hardstand and related stormwater control
Location	4 BRETTIG RD LOBETHAL SA 5241

Representations

Representor 1 - Mandie Busby

Name	Mandie Busby
Address	PO Box 77 ADELAIDE SA, 5001 Australia
Submission Date	12/09/2024 12:01 PM
Submission Source	Online
Late Submission	No
Would you like to talk to your representation at the decision-making hearing for this development?	No
My position is	I support the development with some concerns
Reasons Please see attached letter.	

Attached Documents

240912-Comment-Application-ID-24021301-1404636.pdf

Our Ref: REB Lobethal

12 September 2024

Submitted via the online PlanSA Portal

Dear Sir/Madam

Development Application 24021301 – Truck Parking, Hardstand and Stormwater Control at 4 Brettig Road, Lobethal

Thank you for providing the opportunity for SA Power Networks to comment on the above application for development of land.

SA Power Networks requests that Council and prospective Developer, in making a determination on the development proposal, give consideration to building setbacks, building near power lines and vegetation clearances that are prescribed by the Electricity Act 1996.

As noted in the development plan, registered Easement A and an associated stobie pole is situated in the development area. Please note:

- no excavation deeper than 300mm within a 3 meter radius of our poles is permitted without a Network Access Permit.

- any raising of the natural ground level below the powerline that reduces the required clearance between the conductor and the ground may necessitate a Swing and Sag Survey.

Building near power lines and other infrastructure including vertical clearances between vehicles and overhead powerlines, and/or the use of heavy plant and equipment (including backhoes and cranes), fall under the control of the Office of the Technical Regulator and the Developer would be strongly advised to discuss the proposal with that Office (telephone no.8226 5500) before committing to any physical works.

It is also recommended that the Developer undertake a Dial Before You Dig inquiry to ensure there are no underground electricity or other utility cables, pipes or services in the area. Your inquiry may be lodged online http://www.1100.com.au/ or by calling telephone no. 1100.

Quite apart from those matters of direct interest to the Technical Regulator, the proposed development may necessitate an upgrade of power supply in the area and Council and the prospective developer should give consideration to the current network capacity, the long lead times in meeting any increased load demand, and the need to contact SA Power Networks' Builders and Contractors' line in this regard on telephone no. 1300 650 014.

Providing the above matters are taken into account by Council, the landowner and developer in dealing with the development proposal, SA Power Networks does not consider it necessary to appear, or be represented, before Council in support of this submission. If requiring further clarification or information please contact me.

Yours sincerely,

Mandie Busby
Real Estate Advisor

Representations

Representor 2 - Leeanne Noske

Name	Leeanne Noske
Address	UNIT 5 6 EUSTON AVENUE HIGHGATE SA, 5063 Australia
Submission Date	16/09/2024 10:14 AM
Submission Source	Email
Late Submission	No
Would you like to talk to your representation at the decision-making hearing for this development?	Yes
My position is	I oppose the development
Reasons As per the attached document	

Attached Documents

24021301RepresentationAmended-9222922.pdf

REPRESENTATION ON APPLICATION

Planning, Development and Infrastructure Act 2016

Applicant:	**Designing Places**
Development Number:	**24021301**
Nature of Development:	**Change of use & Other - Commercial/Industrial** **Proposed Truck parking, semi permeable rubble hardstand & related storm water control**
Zone/Sub-zone/Overlay:	**Productive Rural Landscape - Employment**
Subject Land:	**4 BRETTIG RD LOBETHAL SA 5241, Lot 3, F125204AL3 CT5220/438**
Contact Officer:	**Blake ONeil, Adelaide Hills Council**
Phone Number:	**08 8408 0400**
Close Date:	**12/09/2024**

My name*: Leeanne Noske	My phone number:
My postal address*: U5 / 6 Euston Avenue, Highgate SA 5063	My email:

* *Indicates mandatory information*

My position is:

- ☐ I support the development
- ☐ I support the development with some concerns (detail below)
- ☒ I oppose the development

I would like to acknowledge my respect for and gratitude to the GE Hughes Group for all their support, assistance and cooperation to me as a neighbour together with all of their support for the community.

The specific reasons I believe that consent should be refused are:

The proposed truck parking development will negatively impact the visual appearance of the landscape from my property and the truck parking bay activity will produce a substantial amount of noise and dust due to the large heavy vehicles and intensive use. The proposed truck parking development constitutes approximately 8,000 to 10,000 sqm of the Rural Zoned land on the allotment which is a large proportion of the Rural Zoned area of the allotment and extends outwards towards the boundary of my property.

If the proposed application is approved, I request that:

The visual, noise and dust impact on my property be mitigated by:

a. Planting, growing & maintaining a belt of large trees along the eastern boundary of the allotment (my property boundary)
   and also
b. extending the screening vegetation planned for the southern boundary line to the eastern side of the truck parking development.

I note that the plan/map included in this application depicts vegetation along the eastern boundary however the existing trees are relatively sparse and will not screen the visual impact or reduce the noise or dust of the proposed development especially from the North Eastern aspect. –
- **Refer attached 4 photos** taken from my boundary fence on the east of the existing Productive Rural Zone(in the foreground) & Employment – Commercial/Industrial Zone(in the background)

I have been advised by Blake O'Neil of the Adelaide Hills Council that the proposed development is approximately 65m from my property boundary and satisfies Zone DPF4.3 guideline of 50m although this is not specifically indicated in the application plan/map.

I recognise the importance of the GE Hughes Group expansion. However, from my perspective the change of use from existing Productive Rural (cattle grazing) to Commercial/Industrial does not satisfy Productive Rural Zone Desired Outcomes DO1- conserving the natural and rural character, identity, biodiversity and scenic qualities of the landscape or DO2 - promote agriculture. It appears there may be vacant areas of land within the Employment Zone area of this allotment which could be used for this type of Commercial/Industrial truck parking bay development in lieu of the Productive Rural zone land.

[attach additional pages as needed]

Note: In order for this submission to be valid, it must:

- be in writing; and
- include the name and address of the person (or persons) who are making the representation; and
- set out the particular reasons why consent should be granted or refused; and
- comment only on the performance-based elements (or aspects) of the proposal, which does not include the:
  - Click here to enter text. [*list any accepted or deemed-to-satisfy elements of the development]*.

I:	☒ wish to be heard in support of my submission*
	☐ do not wish to be heard in support of my submission
By:	☒ appearing personally
	☐ being represented by the following person: Click here to enter text.

**You may be contacted if you indicate that you wish to be heard by the relevant authority in support of your submission*

Signature: L K Noske

Date: 12/09/2024

Return Address: Assessment Panel, Adelaide Hills Council, 63 Mount Barker Road, Stirling SA 5152 or

Email: developmentadmin@ahc.sa.gov.au or

Complete online submission: plan.sa.gov.au/have_your_say/notified_developments

Paul Liddicoat
Designing Places
19 Post Office Rd
Lobethal SA 5241 0424 364436

25-09-2024

Application ID: 24021301
Subject Land: 4 BRETTIG RD LOBETHAL SA 5241
Title ref.: CT 5220/438
Plan Parcel: F125204 AL3 Council: ADELAIDE HILLS COUNCIL

Hi Blake and Whom it may concern,

Thank you for your patience.
Please see below responses to Representors:

Representor 1 – SA Power Networks
Address: PO Box 77 Adelaide
Response:
We hope to comply and achieve requirements governed by SA Power Networks technical regulators.
The truck bays will be a series of sloping plateaus following the Natural ground, stepping upwards as the land rises to the East.
There is not anticipated to be any build-up of height surrounding the existing power pole.
It is anticipated, we have a 800-900mm excavation on the Western side of the existing power pole. We propose to leave a 3m radius area around the pole, to conform to Technical regulators. Please see plans attached.

The area will be sign posted to OHSA and ISO accreditation standards
We will comply to council requirements.

Re: *"the proposed development may necessitate an upgrade of power supply in the area"*
There is no expected additional supply or demand on power networks, with this development.

Representor 2 – Leanne Noske
Address: Unit 5 -6 Euston Ave. Highgate
Response:
The Owners and applicant are sensitive to Leanne's complaint.
The assumed affected property= 33A (Lot 42) Mount Torrens Rd.

The affected property abuts the proposed, in its far SthWest corner, for a length of approx. 106metres.

The owner proposes to extend a 6m tree buffer/planting to the Eastern boundary. Where Lot 42 abuts. New trees will supplement existing trees in this location.
Please see indicated on attached plans.
The estimated 68metre setback is shown on previous drawings.
The proposed tree zone will leave an approximate 62m strip of land.
Owners will still be utilising the remaining part of this Eastern zone for cattle, & hay baling.

We believe this will meet the requests; A and B, stated by Leanne.

In respect to Productive Rural Landscape: Desired Outcome DO.1
With mixed use zones on the property, owners are hoping to *maintain* a diverse range of land uses.
Large parcels of this land are to remain for Productive rural pursuits. Cattle farming, associated Haybaling.
In prior correspondence with Local Authorities, Council has expressed wishes not to have truck parking, or building equipment adjacent to the Kenton Valley Road-side.
The Kenton-Valley roadside has also been earmarked by Owners for possible CFS development/expansion. Where a parcel of land has been keep free of development.

We would hope the land topography, distance away from sensitive receivers and an adjacency to previous onsite developments would suggest the proposed area as suitable.
The proposed location also offers a safer environment for drivers to enter and exit the property. Utilising existing 'open' space and traffic pathways.

Please don't hesitate to contact for further information.
Please contact if there is any issue with this information.

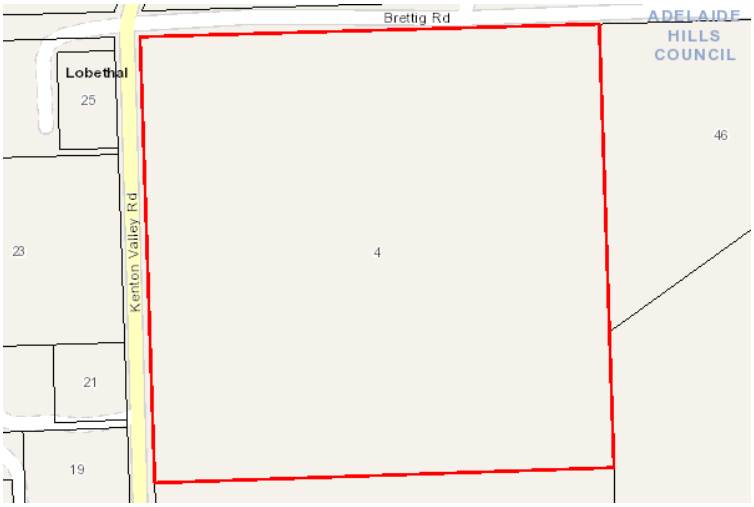
Kind Regards

Paul Liddicoat
Building Designer/Draftsperson

Designing Places
0424 364436

Address: 4 BRETTIG RD LOBETHAL SA 5241

To view a detailed interactive property map in SAPPA click on the map below



Property Zoning Details

Zone

Employment
Productive Rural Landscape

Overlay

Environment and Food Production Area
Hazards (Flooding)
Hazards (Bushfire - Medium Risk)
Hazards (Flooding - Evidence Required)
Limited Land Division
Mount Lofty Ranges Water Supply Catchment (Area 2)
Native Vegetation
Prescribed Water Resources Area
Regulated and Significant Tree
Traffic Generating Development
Urban Transport Routes
Water Resources

Local Variation (TNV)

Minimum Frontage *(Minimum frontage is 25m)*
Minimum Site Area *(Minimum site area is 2,000 sqm)*

Development Pathways

- Employment

1. Accepted Development
   Means that the development type does not require planning consent (planning approval). Please ensure compliance with relevant land use and development controls in the Code.

   - Building alterations
   - Building work on railway land
   - Excavation
   - Filling of land
   - Ground intruding activity
   - Partial demolition of a building or structure
   - Shade sail
   - Solar photovoltaic panels (roof mounted)
   - Storage of material or equipment
   - Temporary stockpiling

- Water tank (above ground)
- Water tank (underground)

2. Code Assessed - Deemed to Satisfy
   Means that the development type requires consent (planning approval). Please ensure compliance with relevant land use and development controls in the Code.

   - Advertisement
   - Temporary accommodation in an area affected by bushfire

3. Code Assessed - Performance Assessed
   Performance Assessed development types listed below are those for which the Code identifies relevant policies.
   Additional development types that are not listed as Accepted, Deemed to Satisfy or Restricted default to a Performance assessed Pathway. Please contact your local council for more information.

   - Advertisement
   - Consulting room
   - Demolition
   - Land division
   - Light industry
   - Office
   - Retaining wall
   - Service trade premises
   - Shop
   - Store
   - Telecommunications facility
   - Warehouse

4. Impact Assessed - Restricted
   Means that the development type requires approval. Classes of development that are classified as Restricted are listed in Table 4 of the relevant Zones.

- Productive Rural Landscape

1. Accepted Development
   Means that the development type does not require planning consent (planning approval). Please ensure compliance with relevant land use and development controls in the Code.

   - None

2. Code Assessed - Deemed to Satisfy
   Means that the development type requires consent (planning approval). Please ensure compliance with relevant land use and development controls in the Code.

   - Deck

3. Code Assessed - Performance Assessed
   Performance Assessed development types listed below are those for which the Code identifies relevant policies.
   Additional development types that are not listed as Accepted, Deemed to Satisfy or Restricted default to a Performance assessed Pathway. Please contact your local council for more information.

   - Deck

4. Impact Assessed - Restricted
   Means that the development type requires approval. Classes of development that are classified as Restricted are listed in Table 4 of the relevant Zones.

Part 2 - Zones and Sub Zones

Employment Zone

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	A diverse range of low-impact light industrial, commercial and business activities that complement the role of other zones accommodating significant industrial, shopping and business activities.
DO 2	Distinctive building, landscape and streetscape design to achieve high visual and environmental amenity particularly along arterial roads, zone boundaries and public open spaces.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Land Use and Intensity	
PO 1.1 A range of employment-generating light industrial, service trade, motor repair and other compatible businesses servicing the local community that do not produce emissions that would detrimentally affect local amenity.	DTS/DPF 1.1 Development comprises one or more of the following: (a) Advertisement (b) Consulting room (c) Indoor recreation facility (d) Light industry (e) Motor repair station (f) Office (g) Place of worship (h) Research facility (i) Retail fuel outlet (j) Service trade premises (k) Shop (l) Store (m) Telecommunications facility (n) Training facility (o) Warehouse.
PO 1.2 Shops provide convenient day-to-day services and amenities to local businesses and workers, support the sale of products manufactured on-site and otherwise complement the role of Activity Centres.	DTS/DPF 1.2 Shop where one of the following applies: (a) with a gross leasable floor area up to 100m^2 (b) is a bulky goods outlet (c) is a restaurant (d) is ancillary to and located on the same allotment as an industry and primarily involves the sale by retail of goods manufactured by the industry.
PO 1.3 Telecommunication facilities located to mitigate impacts on visual amenity in residential areas.	DTS/DPF 1.3 Telecommunications facility in the form of a monopole: (a) up to a height of 30m (b) no closer than 50m to a neighbourhood-type zone.
PO 1.4 Bulky good outlets and standalone shops are located to provide convenient access.	DTS/DPF 1.4 Bulky goods outlets and standalone shops are located on sites with a frontage to a State Maintained Road.

Built Form and Character

PO 2.1 Development achieves distinctive building, landscape and streetscape design to achieve high visual and environmental amenity particularly along arterial roads, zone boundaries and public open spaces.	DTS/DPF 2.1 None are applicable.
PO 2.2 Building facades facing a boundary of a zone primarily intended to accommodate residential development, public roads, or public open space incorporate design elements to add visual interest by considering the following: (a) using a variety of building finishes (b) avoiding elevations that consist solely of metal cladding (c) using materials with a low reflectivity (d) using techniques to add visual interest and reduce large expanses of blank walls including modulation and incorporation of offices and showrooms along elevations visible to a public road.	DTS/DPF 2.2 None are applicable.

Building height and setbacks

PO 3.1

Buildings are set back from the primary street boundary to contribute to the existing/emerging pattern of street setbacks in the streetscape.

DTS/DPF 3.1

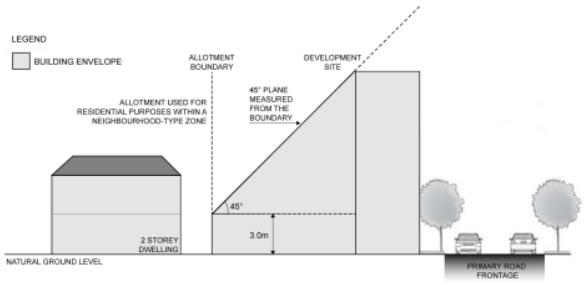
Buildings setback from the primary street boundary in accordance with the following table:

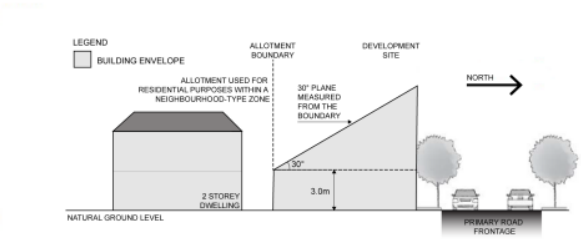
Development Context	Minimum setback
There is an existing building on both abutting sites sharing the same street frontage as the site of the proposed building.	The average setback of the existing buildings.
There is an existing building on only one abutting site sharing the same street frontage as the site of the proposed building and the existing building is not on a corner site.	The setback of the existing building.
There is an existing building on only one abutting site sharing the same street frontage as the site of the proposed building and the existing building is on a corner site.	(a) Where the existing building shares the same primary street frontage – the setback of the existing building (b) Where the existing building has a different primary street frontage - 5m
There is no existing building on either of the abutting sites sharing the same street frontage as the site of the proposed building.	5m

For the purposes of **DTS/DPF 3.2:**

(a) the setback of an existing building on an abutting site to the street boundary that it shares with the site of the proposed building is to be measured from the closest building wall to that street boundary at its closest point to the building wall and any existing projection from the building such as a verandah, porch, balcony, awning or bay window is not taken to form part of the building for the purposes of determining its setback

(b) any proposed projections such as a verandah, porch, balcony, awning or bay window may encroach not more than 1.5 metres into the minimum setback prescribed in the table

PO 3.2 Buildings are set back from a secondary street boundary to accommodate the provision of landscaping between buildings and the street to enhance the appearance of land and buildings when viewed from the street.	DTS/DPF 3.2 Building walls are no closer than 2m to the secondary street boundary.
PO 3.3 Buildings are set back from rear access ways to provide adequate manoeuvrability for vehicles to enter and exit the site.	DTS/DPF 3.3 Building walls are set back from the rear access way: (a) where the access way is 6.5m wide or more, no requirement (b) where the access way is less than 6.5m wide, the distance equal to the additional width required to make the access way at least 6.5m wide.
PO 3.4 Buildings are sited to accommodate vehicle access to the rear of a site for deliveries, maintenance and emergency purposes.	DTS/DPF 3.4 Building walls are set back at least 3m from at least one side boundary, unless an alternative means for vehicular access to the rear of the site is available.
PO 3.5 Building height is consistent with the form expressed in any relevant *Maximum Building Height (Levels) Technical and Numeric Variation layer* and *Maximum Building Height (Metres) Technical and Numeric Variation layer* or is generally low-rise to complement the established streetscape and local character.	DTS/DPF 3.5 Building height is not greater than: (a) the following: (b) in all other cases (i.e. there are blank fields for both maximum building height (metres) and maximum building height (levels)) - 2 building levels up to a height of 9m. In relation to DTS/DPF 3.5, in instances where: (c) more than one value is returned in the same field for DTS/DPF 3.5(a) refer to the *Maximum Building Height (Levels) Technical and Numeric Variation layer* or *Maximum Building Height (Metres) Technical and Numeric Variation layer* in the SA planning database to determine the applicable value relevant to the site of the proposed development (d) only one value is returned for DTS/DPF 3.1(a) (i.e. there is one blank field), then the relevant height in metres or building levels applies with no criteria for the other.
PO 3.6 Buildings mitigate visual impacts of building massing on residential development within a neighbourhood-type zone.	DTS/DPF 3.6 Buildings are constructed within a building envelope provided by a 45 degree plane, measured from a height of 3m above natural ground level at the boundary of an allotment used for residential purposes in a neighbourhood-type zone as shown in the following diagram, except where the relevant boundary is a southern boundary or where this boundary is the street boundary. 
PO 3.7 Buildings mitigate overshadowing of residential development within a	DTS/DPF 3.7 Buildings on sites with a southern boundary adjoining an allotment

neighbourhood-type zone.	used for residential purposes within a neighbourhood-type zone are constructed within a building envelope provided by a 30 degree plane grading north measured from a height of 3m above natural ground level at the southern boundary, as shown in the following diagram (except where this boundary is a street boundary): 
PO 3.8 Buildings on an allotment fronting a road that is not a State maintained road, and where land on the opposite side of the road is within a neighbourhood-type zone, provides an orderly transition to the built form scale envisaged in the adjacent zone to complement the streetscape character.	DTS/DPF 3.8 None are applicable.
Site Dimensions and Land Division	
PO 4.1 Land division creates allotments that vary in size and are suitable for a variety of commercial and business activities.	DTS/DPF 4.1 Allotments: (a) connected to an approved common wastewater disposal service have an area of 1250m^2 or more and a frontage width of 20m or more (b) that will require the disposal of wastewater on-site have an area of 2000m^2 or more and a frontage width of 20m or more.
Landscaping	
PO 5.1 Landscaping is provided to enhance the visual appearance of development when viewed from public roads and thoroughfares.	DTS/DPF 5.1 Other than to accommodate a lawfully existing or authorised driveway or access point, or an access point for which consent has been granted as part of an application for the division of land, a landscaped area is provided within the development site: (a) where a building is set back less than 3m from the street boundary - 1m wide or the area remaining between the relevant building and the street boundary where the building is less than 1m from the street boundary or (b) in any other case - at least 1.5m wide.
PO 5.2 Development incorporates areas for landscaping to enhance the overall amenity of the site and locality.	DTS/DPF 5.2 Landscape areas comprise: (a) not less than 10 percent of the site (b) a dimension of at least 1.5m.
Advertisements	
PO 6.1 Freestanding advertisements are not visually dominant within the locality.	DTS/DPF 6.1 Freestanding advertisements: (a) do not exceed 6m in height above natural ground level

	(b) do not have a face that exceeds 8m^2.
Concept Plans	
PO 7.1 Development is compatible with the outcomes sought by any relevant Concept Plan contained within Part 12 - Concept Plans of the Planning and Design Code to support the orderly development of land through staging of development and provision of infrastructure.	DTS/DPF 7.1 The site of the development is wholly located outside any relevant Concept Plan boundary. The following Concept Plans are relevant: In relation to DTS/DPF 7.1, in instances where: (a) one or more Concept Plan is returned, refer to Part 12 - Concept Plans in the Planning and Design Code to determine if a Concept Plan is relevant to the site of the proposed development. Note: multiple concept plans may be relevant. (b) in instances where 'no value' is returned, there is no relevant concept plan and DTS/DPF 7.1 is met.

Table 5 - Procedural Matters (PM) - Notification

The following table identifies, pursuant to section 107(6) of the *Planning, Development and Infrastructure Act 2016*, classes of performance assessed development that are excluded from notification. The table also identifies any exemptions to the placement of notices when notification is required.

Interpretation

Notification tables exclude the classes of development listed in Column A from notification provided that they do not fall within a corresponding exclusion prescribed in Column B.

Where a development or an element of a development falls within more than one class of development listed in Column A, it will be excluded from notification if it is excluded (in its entirety) under any of those classes of development. It need not be excluded under all applicable classes of development.

Where a development involves multiple performance assessed elements, all performance assessed elements will require notification (regardless of whether one or more elements are excluded in the applicable notification table) unless every performance assessed element of the application is excluded in the applicable notification table, in which case the application will not require notification.

A relevant authority may determine that a variation to 1 or more corresponding exclusions prescribed in Column B is minor in nature and does not require notification.

Class of Development (Column A)	Exceptions (Column B)
1. Development which, in the opinion of the relevant authority, is of a minor nature only and will not unreasonably impact on the owners or occupiers of land in the locality of the site of the development.	None specified.
2. Any development involving any of the following (or of any combination of any of the following): (a) advertisement (b) temporary public service depot.	Except development that exceeds the maximum building height specified in Employment Zone DTS/DPF 3.5 or does not satisfy any of the following: 1. Employment Zone DTS/DPF 3.6 2. Employment Zone DTS/DPF 3.7.
3. Any development involving any of the following (or of any combination of any of the following): (a) consulting room (b) light industry (c) office (d) motor repair station (e) retail fuel outlet (f) store (g) warehouse.	Except where the site of the development is adjacent land to a site (or land) used for residential purposes in a neighbourhood-type zone.

4. Any development involving any of the following (or of any combination of any of the following): (a) air handling unit, air conditioning system or exhaust fan (b) carport (c) deck (d) fence (e) internal building works (f) land division (g) outbuilding (h) pergola (i) private bushfire shelter (j) replacement building (k) retaining wall (l) shade sail (m) solar photovoltaic panels (roof mounted) (n) swimming pool or spa pool and associated swimming pool safety features (o) temporary accommodation in an area affected by bushfire (p) tree damaging activity (q) verandah (r) water tank.	None specified.
5. Building for the purposes of railway activities.	None specified.
6. Demolition.	Except any of the following: 1. the demolition (or partial demolition) of a State or Local Heritage Place (other than an excluded building) 2. the demolition (or partial demolition) of a building in a Historic Area Overlay (other than an excluded building).
7. Railway line.	Except where located outside of a rail corridor or rail reserve.
8. Shop within any of the following: (a) Retail Activity Centre Subzone (b) Roadside Service Centre Subzone.	Except shop that exceeds the maximum building height specified in Employment Zone DTS/DPF 3.5 or does not satisfy any of the following: 1. Employment Zone DTS/DPF 3.6 2. Employment Zone DTS/DPF 3.7.
9. Shop.	Except: 1. where the site of the shop is adjacent land to a site (or land) used for residential purposes in a neighbourhood-type zone or 2. shop that exceeds the maximum building height specified in Employment Zone DTS/DPF 3.5 or 3. shop that does not satisfy Employment Zone DTS/DPF 1.2.
10. Telecommunications facility.	Except telecommunications facility that does not satisfy Employment Zone DTS/DPF 1.3.

Placement of Notices - Exemptions for Performance Assessed Development

None specified.

Placement of Notices - Exemptions for Restricted Development

None specified.

Productive Rural Landscape Zone

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	A diverse range of land uses at an appropriate scale and intensity that capitalise on the region's proximity to the metropolitan area and the tourist and lifestyle opportunities this presents while also conserving the natural and rural character, identity, biodiversity and sensitive environmental areas and scenic qualities of the landscape.
DO 2	A zone that promotes agriculture, horticulture, value adding opportunities, farm gate businesses, the sale and consumption of agricultural based products, tourist development and accommodation that expands the economic base and promotes its regional identity.
DO 3	Create local conditions that support new and continuing investment while seeking to promote co-existence with adjoining activities and mitigate land use conflicts.

Performance Outcomes (PO) and Deemed to Satisfy (DTS) / Designated Performance Feature (DPF) Criteria

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Land Use and Intensity	
PO 1.1 The productive value of rural land for a range of primary production and horticultural activities and associated value adding of primary produce (such as beverage production), retailing and tourism is supported, protected and maintained. The proliferation of land uses that may be sensitive to those activities is avoided.	DTS/DPF 1.1 Development comprises one or more of the following: (a) Advertisement (b) Agricultural building (c) Brewery (d) Carport (e) Cidery (f) Commercial forestry (g) Distillery (h) Dwelling (i) Dwelling addition (j) Farming (k) Function venue (l) Horse keeping (m) Horticulture (n) Industry (o) Low intensity animal husbandry (p) Outbuilding (q) Shop (r) Small-scale ground mounted solar power facility (s) Tourist accommodation (t) Transport distribution (u) Verandah (v) Warehouse (w) Winery (x) Workers' accommodation
Siting and Design	
PO 2.1 Development is provided with suitable vehicle access.	DTS/DPF 2.1 Development is serviced by an all-weather trafficable public road.
PO 2.2	DTS/DPF 2.2

Buildings are generally located on flat land to minimise cut and fill and the associated visual impacts.	Buildings: (a) are located on a site with a slope not greater than 10% (1-in-10) (b) do not result excavation and/or filling of land that is greater than 1.5m from natural ground level.
Horticulture	
PO 3.1 Horticulture is located and conducted on land that has the physical capability of supporting the activity and in a manner that: (a) enhances the productivity of the land for the growing of food and produce in a sustainable manner (b) avoids adverse interface conflicts with other land uses (c) utilises sound environmental practices to mitigate negative impacts on natural resources and water quality (d) is sympathetic to surrounding rural landscape character and amenity, where horticulture is proposed to be carried out in an enclosed building such as such as a greenhouse.	DTS/DPF 3.1 Horticultural activities: (a) are conducted on an allotment with an area of at least 1ha (b) are sited on land with a slope not greater than 10% (1-in-10) (c) are not conducted within 50m of a watercourse or native vegetation (d) are not conducted within 100m of a sensitive receiver in other ownership (e) provide for a headland area between plantings and property boundaries of at least 10m in width (f) where carried out in an enclosed building such as a greenhouse, the building has a total floor area not greater than 250m^2 (g) in the form of olive growing, is not located within 500m of a conservation or national park.
Rural Industry	
PO 4.1 Small-scale industry (including beverage production and washing, processing, bottling and packaging activities), storage, warehousing, produce grading and packing, transport distribution or similar activities provide opportunities for diversification and value adding to locally sourced primary production activities.	DTS/DPF 4.1 Industries, storage, warehousing, produce grading and packing and transport distribution activities and similar activities (or any combination thereof): (a) are directly related and ancillary to a primary production use on the same or adjoining allotment (b) are located on an allotment not less than 2ha in area (c) have a total floor area not exceeding 350m^2.
PO 4.2 Expansion of established small-scale or new large scale industry (including beverage production and washing, processing, bottling and packaging activities), storage, warehousing, produce grading and packing, transport distribution or similar activities: (a) are commensurate with the allotment on which it is situated to mitigate adverse impacts on the amenity of land in other ownership and the character of locality (b) realise efficiencies in primary production related storage, sorting, packaging, manufacturing and the like (c) primarily involve primary production commodities sourced from the same allotment and/or surrounding rural areas.	DTS/DPF 4.2 None are applicable.
PO 4.3 Industry, storage, warehousing, transport distribution or similar activities are sited, designed and of a scale that maintains rural function and character in a manner that respects landscape amenity.	DTS/DPF 4.3 Buildings and associated activities: (a) are setback at least 50m from all road and allotment boundaries (b) are not sited within 100m of a sensitive receiver in other ownership (c) have a building height not greater than 10m above natural ground level (d) incorporate the loading and unloading of vehicles within the confines of the allotment.
Dwellings	
PO 5.1	DTS/DPF 5.1

Dwellings provide a convenient base for landowners to conduct and manage commercial scale primary production and related value adding activities without compromising the use of the allotment, adjacent land or long term purpose of the zone for primary production or related tourism values due to a proliferation of dwellings.	Dwellings: (a) are located on an allotment with an area not less than: (b) are located on an allotment used for and is ancillary to primary production and/or primary production related value-adding activities (c) will not result in more than one dwelling on an allotment. In relation to DTS/DPF 5.1, in instances where: (d) more than one value is returned, refer to the *Minimum Dwelling Allotment Size Technical and Numeric Variation* layer in the SA planning database to determine the applicable value relevant to the site of the proposed development (e) no value is returned for DTS/DPF 5.1(a) (ie there is a blank field), then there is no minimum dwelling allotment size applicable and DTS/DPF 5.1(a) is met.
PO 5.2 Dwelling are sited, designed and of a scale that maintains a pleasant natural and rural character and amenity.	DTS/DPF 5.2 Dwellings: (a) are setback from all allotment boundaries by at least 40m (b) do not exceed 2 building levels and 9m measured from the top of the footings (c) have a wall height no greater than 6m.
PO 5.3 Development resulting in more than one dwelling on an allotment supports ageing in place for the owner of the allotment or multi-generational management of farms in a manner that minimises the potential loss of land available for primary production.	DTS/DPF 5.3 Dwelling that will result in more than one dwelling on an allotment where all the following are satisfied: (a) it is located within 20m of an existing dwelling (b) share the same utilities of the existing dwelling (c) will use the same access point from a public road as the existing dwelling (d) it is located on an allotment not less than 40ha in area (e) will not result in more than two dwellings on an allotment.
PO 5.4 Dwelling additions are sited, designed and of a scale that maintains a pleasant rural character and amenity.	DTS/DPF 5.4 Additions or alterations to an existing dwelling: (a) are setback behind the main façade of the existing dwelling (b) do not exceed 2 building levels and 9m measured from the top of the footings (c) have a wall height that is no greater than 6m from the top of the footings.
Shops, Tourism and Function Venues	
PO 6.1 Shops are associated with an existing primary production or primary production related value adding industry to support diversification of employment, provide services to visitors and showcase local and regional products.	DTS/DPF 6.1 Shops, other than where located in The Cedars Subzone: (a) are ancillary to and located on the same allotment or adjoining allotment used for primary production or primary production related value adding industries (b) offer for sale or consumption produce or goods that are primarily sourced, produced or manufactured on the same allotment or adjoining allotments (c) have a gross leasable floor area not exceeding $100m^2$ or $250m^2$ in the case of a cellar door

	(d) have an area for the display of produce or goods external to a building not exceeding 25m^2 (e) do not result in more than 75 seats for customer dining purposes in a restaurant.
PO 6.2 Shops that are proposed in new buildings are sited, designed and of a scale that maintains a pleasant rural character and amenity.	DTS/DPF 6.2 Shops in new buildings: (a) are setback from all property boundaries by at least 20m (b) are not sited within 100m of a sensitive receiver in other ownership (c) have a building height that does not exceed 9m above natural ground level.
PO 6.3 Tourist accommodation is associated with the primary use of the land for primary production or primary production related value adding industry to enhance and provide authentic visitor experiences.	DTS/DPF 6.3 Tourist accommodation, other than where located in The Cedars Subzone: (a) is ancillary to and located on the same allotment or an adjoining allotment used for primary production or primary production related value adding industry (b) in relation to the area used for accommodation: (i) where in a new building, or buildings, does not exceed a cumulative total floor area of 100m^2 or (ii) where in an existing building, does not exceed 150m^2 and (c) does not result in more than one tourist accommodation facility being located on the same allotment.
PO 6.4 Tourist accommodation proposed in a new building or buildings are sited, designed and of a scale that maintains a pleasant rural character and amenity.	DTS/DPF 6.4 Tourist accommodation in new buildings: (a) is setback from all property boundaries by at least 40m (b) has a building height that does not exceed 7m above natural ground level.
PO 6.5 Function venues are associated with the primary use of the land for primary production or primary production related value adding industry.	DTS/DPF 6.5 Function venues, other than where located in The Cedars Subzone: (a) are ancillary to and located on the same allotment or an adjoining allotment used for primary production or primary production related value adding industry (b) do not exceed a capacity of 75 persons for customer dining purposes.
PO 6.6 Function venues are sited, designed and of a scale that maintains a pleasant natural and rural character and amenity.	DTS/DPF 6.6 Function venues: (a) are located on an allotment having an area of at least 5ha (b) are setback from all property boundaries by at least 40m (c) are not sited within 100m of a sensitive receiver in other ownership (d) have a building height that does not exceed 9m above natural ground level.
Offices	
PO 7.1 Offices are directly related to and associated with the primary use of the land for primary production or primary production related value adding industry.	DTS/DPF 7.1 Offices, other than where located in The Cedars Subzone: (a) are ancillary to and located on the same allotment or an adjoining allotment used for primary production or primary production related value adding industry

	(b) have a gross leasable floor area not exceeding 100m^2.
Adaptive Reuse of Existing Buildings	
PO 8.1 Adaptive reuse of existing buildings for small-scale shops, offices, tourist accommodation or ancillary rural activities.	DTS/DPF 8.1 Development within an existing building is for any of the following: (a) a shop (b) office (c) tourist accommodation.
Workers' accommodation	
PO 9.1 Workers' accommodation provides short-term accommodation for persons temporarily engaged in the production, management or processing of primary produce.	DTS/DPF 9.1 Workers' accommodation: (a) is developed on a site at least 2ha in area (b) has a total floor area not exceeding 250m^2 (c) is in the form of a single building or part of a cluster of buildings that are physically connected (d) amenities accommodate not more than 20 persons at any one time (e) is setback at least 50m from a road boundary (f) is setback at least 40m from a side or rear allotment boundary (g) is located within 20m of an existing dwelling on the same allotment (h) does not result in more than one facility being located on the same allotment.
Renewable Energy Facilities	
PO 10.1 Renewable energy facilities and ancillary development minimises significant fragmentation or displacement of existing primary production.	DTS/DPF 10.1 None are applicable.
PO 10.2 Small-scale ground mounted solar power facilities support rural production or value-adding industries.	DTS/DPF 10.2 None are applicable.
Built Form and Character	
PO 11.1 Large buildings designed and sited to reduce impacts on scenic and rural vistas by: (a) having substantial setbacks from boundaries and adjacent public roads (b) using low reflective materials and finishes that blend with the surrounding landscape (c) being located below ridgelines.	DTS/DPF 11.1 None are applicable.
Land Division	
PO 12.1 Land division creating additional allotments is not supported other than where located in The Cedars Subzone to support tourist development.	DTS/DPF 12.1 Except where the land division is proposed in The Cedars Subzone, no additional allotments are created.
PO 12.2 Allotment boundaries, including by realignment, are positioned to incorporate sufficient space around existing residential, tourist accommodation and other habitable buildings (including boarding houses, hostels, dormitory style accommodation, student accommodation and workers' accommodation) to: (a) maintain a pleasant rural character and amenity for occupants	DTS/DPF 12.2 Allotment boundaries are located no closer to an existing residential, tourist accommodation or other habitable building than the greater of the following: (a) 40m (b) the distance required to accommodate an asset protection zone wholly within the relevant allotment.

(b) manage vegetation within the same allotment to mitigate bushfire hazard.	
Agricultural Buildings	
PO 13.1 Agricultural buildings and associated activities are sited, designed and of a scale that maintains a pleasant rural character and function.	DTS/DPF 13.1 Agricultural buildings: (a) are located on an allotment having an area of at least 2ha (b) are setback at least 40m from an allotment boundary (c) have a building height not exceeding 10m above natural ground level (d) do not exceed 350m^2 in total floor area (e) incorporate the loading and unloading of vehicles within the confines of the allotment.
Outbuildings, Carports and Verandahs	
PO 14.1 Outbuildings are sited, designed and of a scale that maintain a pleasant natural and rural character and amenity.	DTS/DPF 14.1 Outbuildings: (a) have a primary street setback that is at least as far back as the building to which it is ancillary (b) have a combined total floor area that does not exceed 100m^2 (c) do not exceed 5m in wall height measured from natural ground level (not including a gable end) (d) have a total roof height that does not exceed 6m measured from natural ground level (e) if clad in sheet metal, it is pre-colour treated or painted in a non-reflective colour (f) will not result in more than 2 outbuildings on the same allotment.
PO 14.2 Carports and verandahs are sited, designed and of a scale to maintain a pleasant natural and rural character and amenity.	DTS/DPF 14.2 Carports and verandahs: (a) are set back from the primary street at least as far back as the building to which it is ancillary (b) have a total floor area that does not exceed 80m^2 (c) have a post height that does not exceed 3m measured from natural ground level (not including a gable end) (d) have a total roof height that does not exceed 5m measured from natural ground level (e) if clad in sheet metal, the cladding is pre-colour treated or painted in a non-reflective colour.
Concept Plans	
PO 15.1 Development is compatible with the outcomes sought by any relevant Concept Plan contained within Part 12 - Concept Plans of the Planning and Design Code to support the orderly development of land through staging of development and provision of infrastructure.	DTS/DPF 15.1 The site of the development is wholly located outside any relevant Concept Plan boundary. The following Concept Plans are relevant: In relation to DTS/DPF 15.1, in instances where: (a) one or more Concept Plan is returned, refer to Part 12 - Concept Plans in the Planning and Design Code to determine if a Concept Plan is relevant to the site of the proposed development. Note: multiple concept plans may be relevant. (b) in instances where 'no value' is returned, there is no relevant concept plan and DTS/DPF 15.1 is met.
Advertisements	
PO 16.1 Freestanding advertisements that identify the associated business without creating a visually dominant element within the locality.	DTS/DPF 16.1 Freestanding advertisements:

	(a) do not exceed 2m in height (b) do not have a sign face that exceeds 2m2 per side.

Table 5 - Procedural Matters (PM) - Notification

The following table identifies, pursuant to section 107(6) of the *Planning, Development and Infrastructure Act 2016*, classes of performance assessed development that are excluded from notification. The table also identifies any exemptions to the placement of notices when notification is required.

Interpretation

Notification tables exclude the classes of development listed in Column A from notification provided that they do not fall within a corresponding exclusion prescribed in Column B.

Where a development or an element of a development falls within more than one class of development listed in Column A, it will be excluded from notification if it is excluded (in its entirety) under any of those classes of development. It need not be excluded under all applicable classes of development.

Where a development involves multiple performance assessed elements, all performance assessed elements will require notification (regardless of whether one or more elements are excluded in the applicable notification table) unless every performance assessed element of the application is excluded in the applicable notification table, in which case the application will not require notification.

A relevant authority may determine that a variation to 1 or more corresponding exclusions prescribed in Column B is minor in nature and does not require notification.

Class of Development (Column A)	Exceptions (Column B)
1. Development which, in the opinion of the relevant authority, is of a minor nature only and will not unreasonably impact on the owners or occupiers of land in the locality of the site of the development.	None specified.
2. Any development involving any of the following (or of any combination of any of the following): (a) advertisement (b) agricultural building (c) air handling unit, air conditioning system or exhaust fan (d) ancillary accommodation (e) carport (f) deck (g) fence (h) dwelling (i) dwelling addition (j) farming (k) horse keeping (l) internal building work (m) land division (n) outbuilding (o) pergola (p) private bushfire shelter (q) protective tree netting structure (r) replacement building (s) retaining wall (t) solar photovoltaic panels (roof mounted) (u) shade sail (v) swimming pool or spa pool and associated swimming pool safety features (w) temporary accommodation in an area affected by bushfire (x) tree damaging activity	None specified.

(y) verandah (z) water tank.	
3. Any development involving any of the following (or of any combination of any of the following): (a) industry (b) store (c) warehouse.	Except development that does not satisfy any of the following: 1. Productive Rural Landscape Zone DTS/DPF 4.1 2. Productive Rural Landscape Zone DTS/DPF 4.3.
4. Demolition.	Except any of the following: 1. the demolition (or partial demolition) of a State or Local Heritage Place (other than an excluded building) 2. the demolition (or partial demolition) of a building in a Historic Area Overlay (other than an excluded building).
5. Function venue within The Cedars Subzone.	None specified.
6. Function venue.	Except function venue that does not satisfy Productive Rural Landscape Zone DTS/DPF 6.6.
7. Horticulture.	Except horticulture that does not satisfy any of the following: 1. Productive Rural Landscape Zone DTS/DPF 3.1(d) 2. Productive Rural Landscape Zone DTS/DPF 3.1(e).
8. Railway line.	Except where located outside of a rail corridor or rail reserve.
9. Shop within The Cedars Subzone.	None specified.
10. Shop.	Except shop that does not satisfy any of the following: 1. Productive Rural Landscape Zone DTS/DPF 6.1 2. Productive Rural Landscape Zone DTS/DPF 6.2.
11. Tourist accommodation within The Cedars Subzone.	None specified.
12. Tourist accommodation.	Except tourist accommodation that does not to satisfy any of the following: 1. Productive Rural Landscape Zone DTS/DPF 6.3 2. Productive Rural Landscape Zone DTS/DPF 6.4.

Placement of Notices - Exemptions for Performance Assessed Development

Pursuant to regulation 47(6)(c) of the Planning, Development and Infrastructure (General) Regulations 2017, the requirement to place a notice on the relevant land under section 107(3)(a)(ii) of the *Planning, Development and Infrastructure Act 2016* does not apply in the Productive Rural Landscape Zone.

Placement of Notices - Exemptions for Restricted Development

Pursuant to regulation 47(6)(c) of the Planning, Development and Infrastructure (General) Regulations 2017, the requirement to place a notice on the relevant land under section 110(2)(a)(iv) of the *Planning, Development and Infrastructure Act 2016* does not apply in the Productive Rural Landscape Zone.

Part 3 - Overlays

Environment and Food Production Areas Overlay

Assessment Provisions (AP)

Desired Outcome (DO)

	Desired Outcome
DO 1	Protection of valuable rural, landscape, environmental and food production areas from urban encroachment.

Performance Outcomes (PO) and Deemed to Satisfy (DTS) / Designated Performance Feature (DPF) Criteria

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
PO 1.1 Land division undertaken in accordance with Section 7 of the *Planning, Development and Infrastructure Act 2016.*	DTS/DPF 1.1 None are applicable.

Procedural Matters (PM)

The following table identifies classes of development / activities that require referral in this Overlay and the applicable referral body. It sets out the purpose of the referral as well as the relevant statutory reference from Schedule 9 of the Planning, Development and Infrastructure (General) Regulations 2017.

Class of Development / Activity	Referral Body	Purpose of Referral	Statutory Reference
None	None	None	None

Hazards (Bushfire - Medium Risk) Overlay

Assessment Provisions (AP)

Desired Outcome (DO)

	Desired Outcome
DO 1	Development, including land division responds to the medium level of bushfire risk and potential for ember attack and radiant heat by siting and designing buildings in a manner that mitigates the threat and impact of bushfires on life and property taking into account the increased frequency and intensity of bushfires as a result of climate change.
DO 2	To facilitate access for emergency service vehicles to aid the protection of lives and assets from bushfire danger.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Siting	
PO 1.1 Buildings and structures are located away from areas that pose an unacceptable bushfire risk as a result of vegetation cover and type, and terrain.	DTS/DPF 1.1 None are applicable.
Built Form	
PO 2.1	DTS/DPF 2.1

Buildings and structures are designed and configured to reduce the impact of bushfire through using designs that reduce the potential for trapping burning debris against or underneath the building or structure, or between the ground and building floor level in the case of transportable buildings and buildings on stilts.	None are applicable.
PO 2.2 Extensions to buildings, outbuildings and other ancillary structures are sited and constructed using materials to minimise the threat of fire spread to residential and tourist accommodation (including boarding houses, hostels, dormitory style accommodation, student accommodation and Workers' accommodation) in the event of bushfire.	DTS/DPF 2.2 Outbuildings and other ancillary structures are sited no closer than 6m from the habitable building.
Habitable Buildings	
PO 3.1 To minimise the threat, impact and potential exposure to bushfires on life and property, residential and tourist accommodation and habitable buildings for vulnerable communities (including boarding houses, hostels, dormitory style accommodation, student accommodation and workers' accommodation) is sited on the flatter portion of allotments away from steep slopes.	DTS/DPF 3.1 None are applicable.
PO 3.2 Residential, tourist accommodation and habitable buildings for vulnerable communities (including boarding houses, hostels, dormitory style accommodation, student accommodation and workers' accommodation) is sited away from vegetated areas that pose an unacceptable bushfire risk.	DTS/DPF 3.2 Residential, tourist accommodation and habitable buildings for vulnerable communities are provided with asset protection zone(s) in accordance with (a) and (b): (a) the asset protection zone has a minimum width of at least: (i) 50 metres to unmanaged grasslands (ii) 100 metres to hazardous bushland vegetation (b) the asset protection zone is contained wholly within the allotment of the development.
PO 3.3 Residential, tourist accommodation and habitable buildings for vulnerable communities, (including boarding houses, hostels, dormitory style accommodation, student accommodation and workers' accommodation), has a dedicated area available that is capable of accommodating a bushfire protection system comprising firefighting equipment and water supply in accordance with *Ministerial Building Standard MBS 008 - Designated bushfire prone areas - additional requirements*.	DTS/DPF 3.3 None are applicable.
Land Division	
PO 4.1 Land division is designed and incorporates measures to minimise the danger of fire hazard to residents and occupants of buildings, and to protect buildings and property from physical damage in the event of a bushfire.	DTS/DPF 4.1 None are applicable.
PO 4.2 Land division is designed to provide a continuous street pattern to facilitate the safe movement and evacuation of emergency vehicles, residents, occupants and visitors.	DTS/DPF 4.2 None are applicable.
PO 4.3 Where 10 or more new allotments are proposed, land division includes at least two separate and safe exit points to enable multiple avenues of evacuation in the event of a bushfire.	DTS/DPF 4.3 None are applicable.

PO 4.4	DTS/DPF 4.4
Land division incorporates perimeter roads of adequate design in conjunction with bushfire buffer zones to achieve adequate separation between residential allotments and areas of unacceptable bushfire risk and to support safe access for the purposes of fire-fighting.	None are applicable.
Vehicle Access - Roads, Driveways and Fire Tracks	
PO 5.1 Roads are designed and constructed to facilitate the safe and effective: (a) access, operation and evacuation of fire-fighting vehicles and emergency personnel (b) evacuation of residents, occupants and visitors.	DTS/DPF 5.1 Roads: (a) are constructed with a formed, all-weather surface (b) have a gradient of not more than 16 degrees (1-in-3.5) at any point along the road (c) have a cross fall of not more than 6 degrees (1-in-9.5) at any point along the road (d) have a minimum formed road width of 6m (e) provide overhead clearance of not less than 4.0m between the road surface and overhanging branches or other obstructions including buildings and/or structures (Figure 1) (f) allow fire-fighting services (personnel and vehicles) to travel in a continuous forward movement around road curves by constructing the curves with a minimum external radius of 12.5m (Figure 2) (g) incorporating cul-de-sac endings or dead end roads do not exceed 200m in length and the end of the road has either: (i) a turning area with a minimum formed surface radius of 12.5m (Figure 3) or (ii) a 'T' or 'Y' shaped turning area with a minimum formed surface length of 11m and minimum internal radii of 9.5m (Figure 4) (h) incorporate solid, all-weather crossings over any watercourse that support fire-fighting vehicles with a gross vehicle mass (GVM) of 21 tonnes.
PO 5.2 Access to habitable buildings is designed and constructed to facilitate the safe and effective: (a) access, operation and evacuation of fire-fighting vehicles and emergency personnel (b) evacuation of residents, occupants and visitors.	DTS/DPF 5.2 Access is in accordance with (a) or (b): (a) a clear and unobstructed vehicle or pedestrian pathway of not greater than 60 metres in length is available between the most distant part of the habitable building and the nearest part of a formed public access road (b) driveways: (i) do not exceed 600m in length (ii) are constructed with a formed, all-weather surface (iii) are connected to a formed, all-weather public road with the transition area between the road and driveway having a gradient of not more than 7 degrees (1-in-8) (iv) have a gradient of not more than 16 degrees (1-in-3.5) at any point along the driveway (v) have a crossfall of not more than 6 degrees (1-in-9.5) at any point along the driveway (vi) have a minimum formed width of 3m (4m where the gradient of the driveway is steeper than 12 degrees (1-in-4.5)) plus 0.5 metres clearance either side of the driveway from overhanging branches or other obstructions, including buildings and/or structures (Figure 1) (vii) incorporate passing bays with a minimum width of 6m and length of 17m every 200m (Figure 5) (viii) provide overhead clearance of not less than 4.0m between the driveway surface and overhanging branches or other obstructions, including buildings and/or structures (Figure 1)

	(ix) allow fire-fighting services (personnel and vehicles) to travel in a continuous forward movement around driveway curves by constructing the curves with a minimum external radius of 12.5m (Figure 2) (x) allow fire-fighting vehicles to safely enter and exit an allotment in a forward direction by using a 'U' shaped drive through design or by incorporating at the end of the driveway either: A. a loop road around the building or B. a turning area with a minimum radius of 12.5m (Figure 3) or C. a 'T' or 'Y' shaped turning area with a minimum formed length of 11m and minimum internal radii of 9.5m (Figure 4) (xi) incorporate solid, all-weather crossings over any watercourse that support fire-fighting vehicles with a gross vehicle mass (GVM) of 21 tonnes.
PO 5.3 Development does not rely on fire tracks as means of evacuation or access for fire-fighting purposes unless there are no safe alternatives available.	DTS/DPF 5.3 None are applicable.

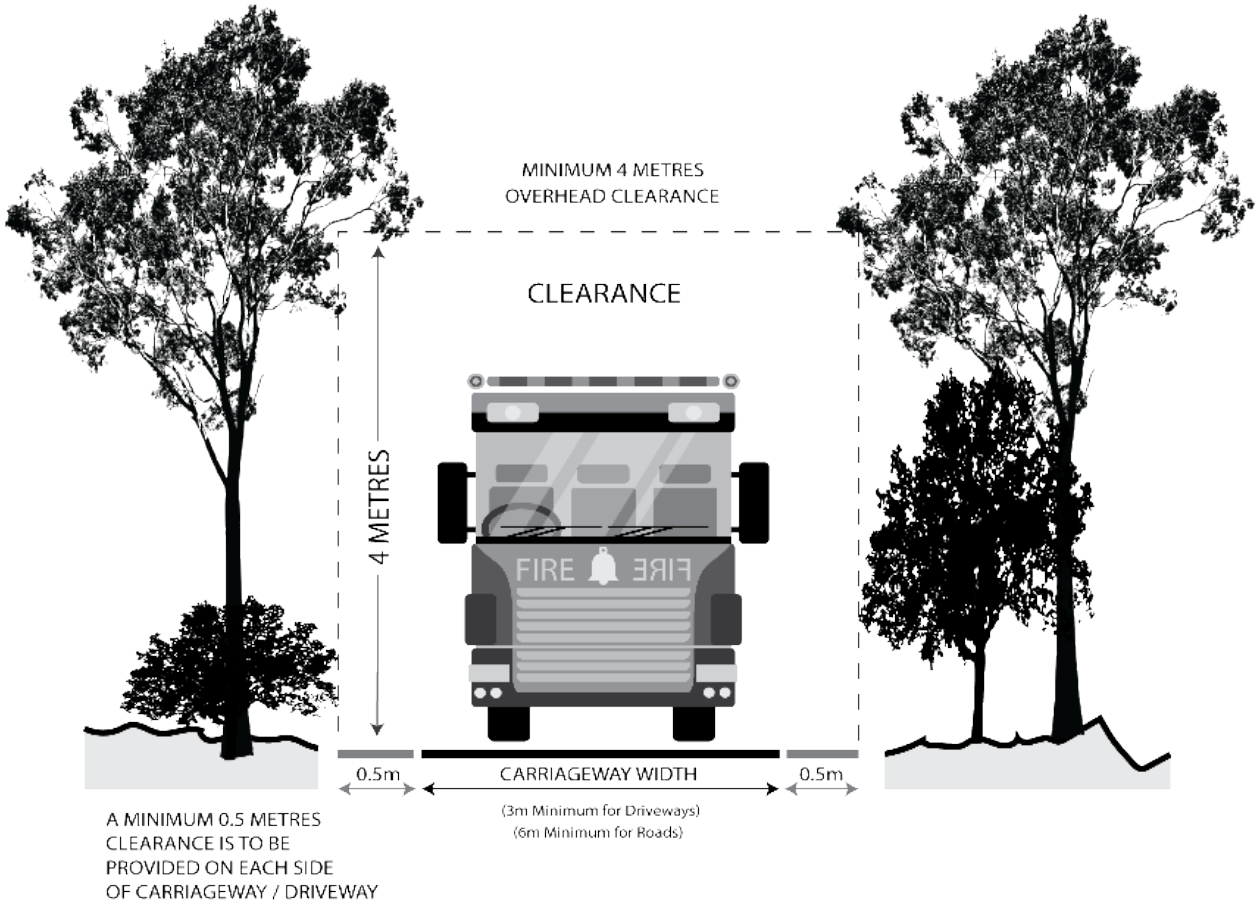
Procedural Matters (PM) - Referrals

The following table identifies classes of development / activities that require referral in this Overlay and the applicable referral body. It sets out the purpose of the referral as well as the relevant statutory reference from Schedule 9 of the Planning, Development and Infrastructure (General) Regulations 2017.

Class of Development / Activity	Referral Body	Purpose of Referral	Statutory Reference
None	None	None	None

Figures and Diagrams

Fire Engine and Appliance Clearances
Figure 1 - Overhead and Side Clearances



Roads and Driveway Design

Figure 2 - Road and Driveway Curves

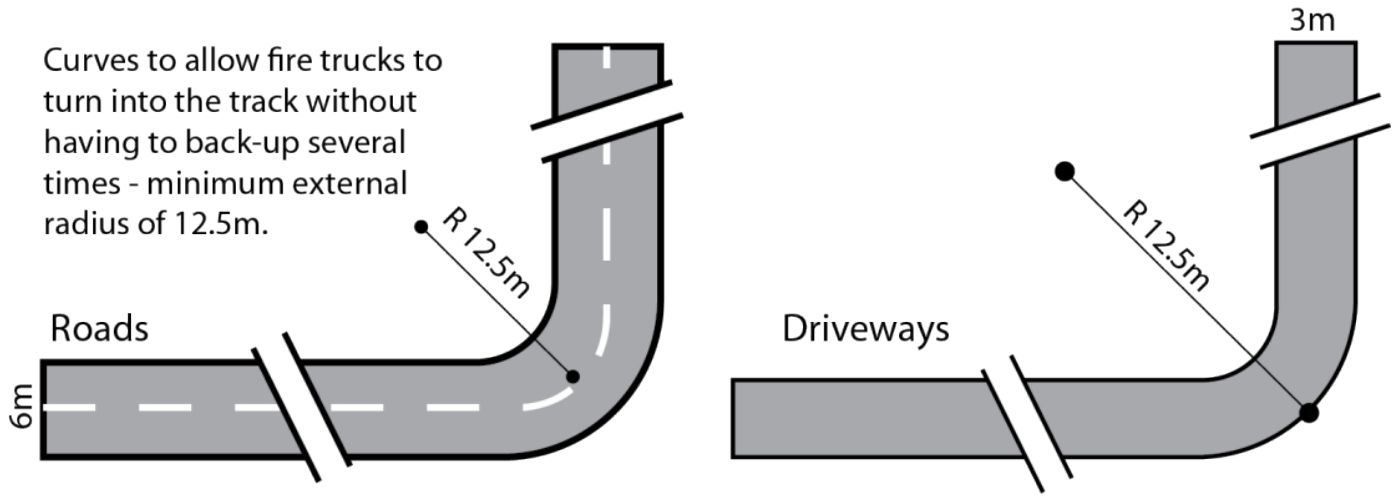
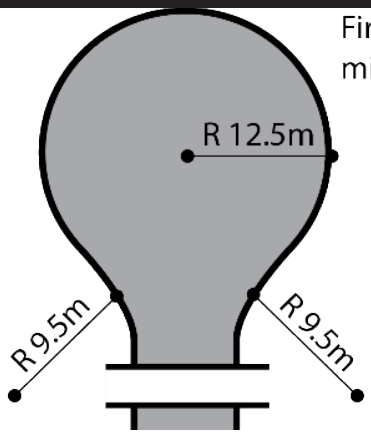
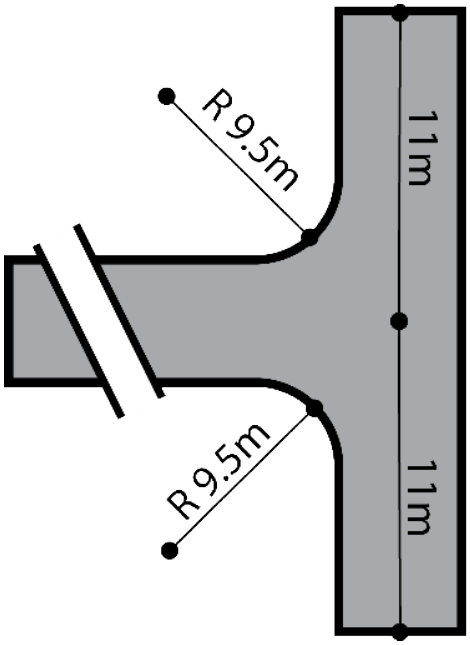


Figure 3 - Full Circle Turning Area



Fire truck turning area -
minimum radius 12.5m

Figure 4 - 'T' or 'Y' Shaped Turning Head



"T" shaped turning area
for fire trucks to reverse
into so they can turn
around
- minimum length 11m.

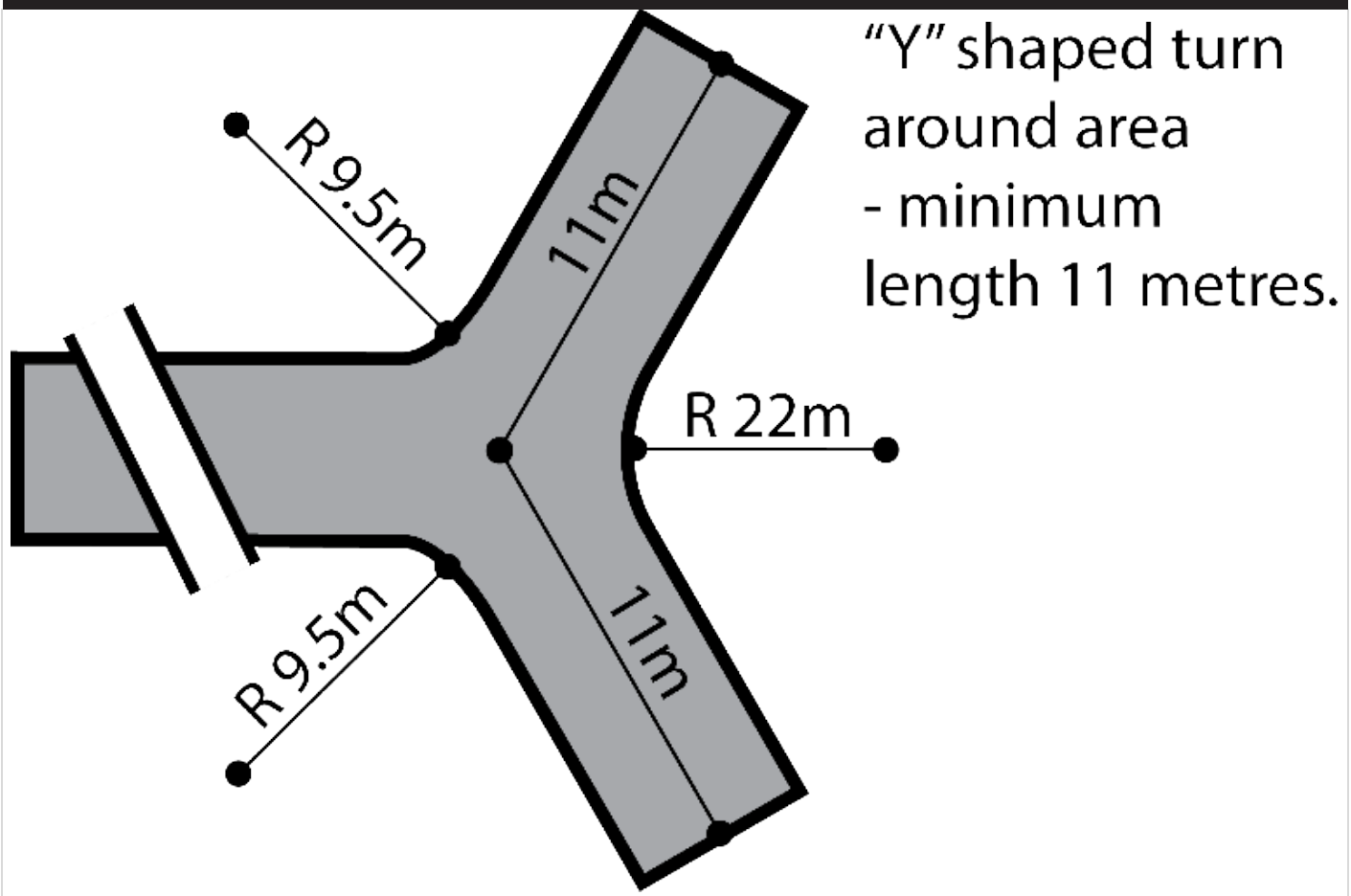
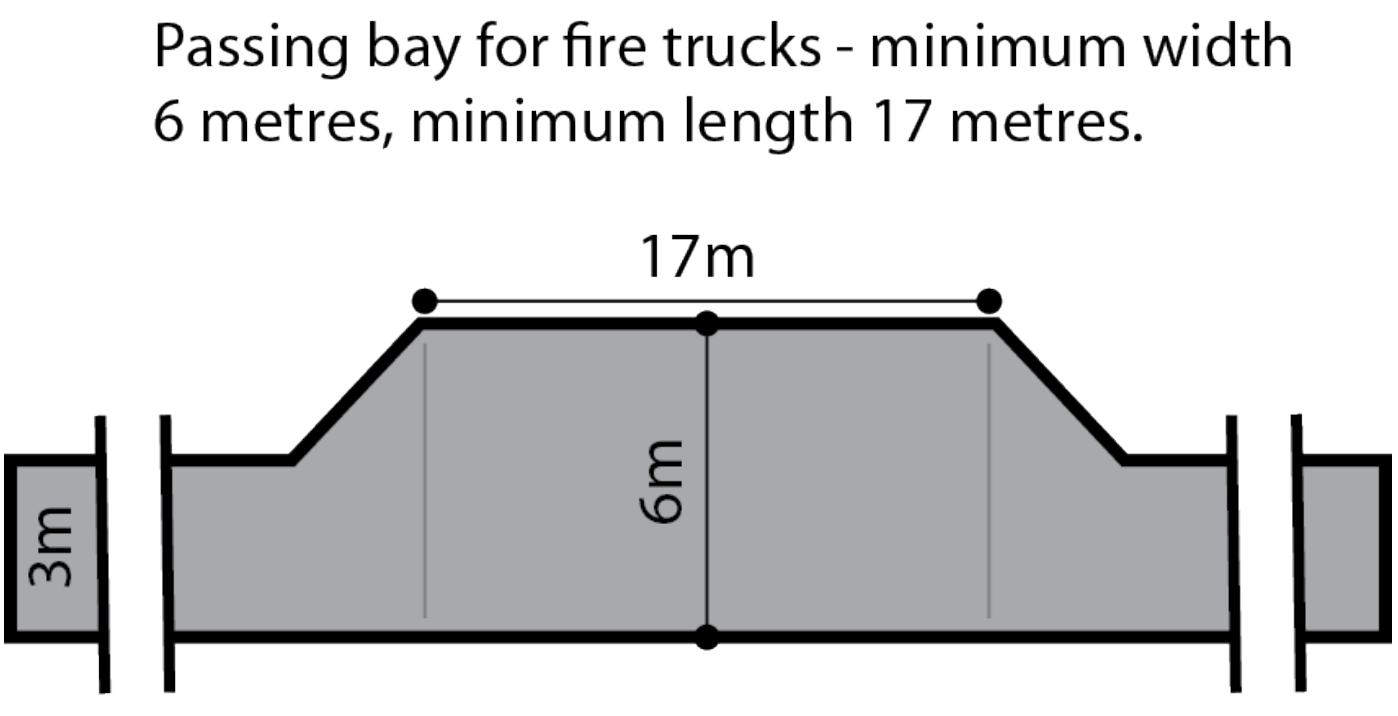


Figure 5 - Driveway Passing Bays



Hazards (Flooding) Overlay

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Impacts on people, property, infrastructure and the environment from high flood risk are minimised by retaining areas free from development, and minimising intensification where development has occurred.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Land Division	
PO 1.1 Land division is limited to areas where the consequences to buildings and safety are low and can be readily managed or overcome.	DTS/DPF 1.1 None are applicable.
Land Use	
PO 2.1 Development sited and designed to minimise exposure of people and property to unacceptable flood risk.	DTS/DPF 2.1 None are applicable.
PO 2.2 Buildings housing vulnerable people, community services facilities, key infrastructure and emergency services are sited away from flood prone areas to enable uninterrupted operation of services and reduce likelihood of entrapment.	DTS/DPF 2.2 Child care facilities, educational facilities, retirement and supported accommodation, emergency services facilities, hospitals and prisons are not located within the Overlay area.
Flood Resilience	
PO 3.1 Development avoids the need for flood protection works.	DTS/DPF 3.1 None are applicable.
PO 3.2 Development does not cause unacceptable impacts on any adjoining property by the diversion of flood waters or an increase in flood velocity or flood level.	DTS/DPF 3.2 None are applicable.
PO 3.3 Development does not impede the flow of floodwaters through the allotment or the surrounding land, or cause an unacceptable loss of flood storage.	DTS/DPF 3.3 None are applicable.
PO 3.4 Development avoids frequently flooded or high velocity areas, other than where it is part of a flood mitigation scheme to reduce flood impact.	DTS/DPF 3.4 Other than a recreation area, development is located outside of the 5% AEP principal flow path.
PO 3.5 Buildings are sited, designed and constructed to prevent the entry of floodwaters in a 1% AEP flood event where the entry of floodwaters is likely to result in undue damage to, or compromise ongoing activities within, buildings.	DTS/DPF 3.5 Buildings comprise one of the following: (a) a porch or portico with at least 2 open sides (b) a verandah with at least 3 open sides (c) a carport or outbuilding with at least 2 open sides (whichever elevations face the direction of the flow) (d) any post construction with open sides (e) a building with a finished floor level that is at least 300mm above the height of a 1% AEP flood event.

PO 3.6 Fences do not unreasonably impede floodwaters.	DTS/DPF 3.6 A post and wire fence (other than a chain mesh fence).
Environmental Protection	
PO 4.1 Buildings and structures used either partly or wholly to contain or store hazardous materials are designed to prevent spills or leaks leaving the confines of the building during a 1% AEP flood event to avoid potential environmental harm.	DTS/DPF 4.1 Development involving the storage or disposal of hazardous materials is wholly located outside of the 1% AEP flood plain or flow path.
PO 4.2 Development does not create or aggravate the potential for erosion or siltation or lead to the destruction of vegetation during a flood.	DTS/DPF 4.2 None are applicable.
Site Earthworks	
PO 5.1 The depth and extent of filling required to raise the finished floor level of a building does not cause unacceptable impact on any adjoining property by diversion of flood waters, an increase in flood velocity or flood level, or an unacceptable loss of flood storage.	DTS/DPF 5.1 None are applicable.
PO 5.2 Driveways, access tracks and parking areas are designed and constructed to minimise excavation and filling.	DTS/DPF 5.2 Filling for ancillary purposes: (a) does not exceed 300mm above existing ground level (b) is no more than 5m wide.
Access	
PO 6.1 Development does not occur on land: (a) from which evacuation to areas not vulnerable to flood risk is not possible during a 1% AEP flood event (b) which cannot be accessed by emergency services vehicles or essential utility service vehicles during a 1% AEP flood event.	DTS/DPF 6.1 None are applicable.
PO 6.2 Access driveways and tracks to significant development (i.e. dwellings, places of work, etc.) consist of a safe, all-weather trafficable surface that is accessible during a 1% AEP flood event.	DTS/DPF 6.2 None are applicable.

Procedural Matters (PM) - Referrals

The following table identifies classes of development / activities that require referral in this Overlay and the applicable referral body. It sets out the purpose of the referral as well as the relevant statutory reference from Schedule 9 of the Planning, Development and Infrastructure (General) Regulations 2017.

Class of Development / Activity	Referral Body	Purpose of Referral	Statutory Reference
None	None	None	None

Hazards (Flooding – General) Overlay

Assessment Provisions (AP)

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Flood Resilience	
DTS/DPF 2.1 Habitable buildings, commercial and industrial buildings, and buildings used for animal keeping incorporate a finished ground and floor level not less than: In instances where no finished floor level value is specified, a building incorporates a finished floor level at least 300mm above the height of a 1% AEP flood event.	

Hazards (Flooding - Evidence Required) Overlay

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Development adopts a precautionary approach to mitigate potential impacts on people, property, infrastructure and the environment from potential flood risk through the appropriate siting and design of development.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Flood Resilience	
PO 1.1 Development is sited, designed and constructed to minimise the risk of entry of potential floodwaters where the entry of flood waters is likely to result in undue damage to or compromise ongoing activities within buildings.	DTS/DPF 1.1 Habitable buildings, commercial and industrial buildings, and buildings used for animal keeping incorporate a finished floor level at least 300mm above: (a) the highest point of top of kerb of the primary street or (b) the highest point of natural ground level at the primary street boundary where there is no kerb
Environmental Protection	
PO 2.1 Buildings and structures used either partly or wholly to contain or store hazardous materials are designed to prevent spills or leaks leaving the confines of the building.	DTS/DPF 2.1 Development does not involve the storage of hazardous materials.

Procedural Matters (PM) - Referrals

The following table identifies classes of development / activities that require referral in this Overlay and the applicable referral body. It sets out the purpose of the referral as well as the relevant statutory reference from Schedule 9 of the Planning, Development and Infrastructure (General) Regulations 2017.

Class of Development / Activity	Referral Body	Purpose of Referral	Statutory Reference
None	None	None	None

Limited Land Division Overlay

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	The long term use of land for primary production is maintained by minimising fragmentation through division of land.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
General	
PO 1.1 Land division does not result in the creation of an additional allotment.	DTS/DPF 1.1 No additional allotments are created.
PO 1.2 Land division involving boundary realignments occurs only where the number of resulting allotments with a site area less than that specified in the relevant Zone is not greater than the number that existed prior to the realignment.	DTS/DPF 1.2 None are applicable.

Procedural Matters (PM) - Referrals

The following table identifies classes of development / activities that require referral in this Overlay and the applicable referral body. It sets out the purpose of the referral as well as the relevant statutory reference from Schedule 9 of the Planning, Development and Infrastructure (General) Regulations 2017.

Class of Development / Activity	Referral Body	Purpose of Referral	Statutory Reference
None	None	None	None

Mount Lofty Ranges Water Supply Catchment (Area 1) Overlay

Assessment Provisions (AP)

Performance Outcomes (PO) and Deemed to Satisfy (DTS) / Designated Performance Feature (DPF) Criteria

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Wastewater	
DTS/DPF 2.4 All components of an effluent disposal area are: (a) set back 50 metres or more from a watercourse (b) set back 100 metres or more from a public water supply reservoir (c) located on land with a slope no greater than 1-in-5 (20%) (d) located on land with 1.2m or more depth to bedrock or a seasonal or permanent water table (e) above the 10% AEP flood level.	Stormwater
DTS/DPF 3.4 Development includes: (a) rainwater tanks with a minimum capacity of 1,000L connected to carports, verandahs and outbuildings or	DTS/DPF 3.5 Dwelling additions are connected to a rainwater tank with a minimum capacity of 1,000L.

(b) rainwater tanks with a minimum capacity of 4,500L connected to agricultural buildings exceeding 100m^2.	
DTS/DPF 3.6 Shops and tourist accommodation satisfy all the following: (a) are located 50m or more from watercourses, wetlands, land prone to waterlogging and bores (b) are located 100m or more from public water supply reservoirs and diversion weirs (c) are located on land with a slope not exceeding 20% (d) includes buildings connected to rainwater tanks with a minimum capacity of 1,000L (e) includes swales that divert clean stormwater away from areas where it could be polluted.	DTS/DPF 3.9 Excavation and/or filling satisfy all the following: (a) is located 50m or more from watercourses (b) is located 100m or more from public water supply reservoirs and diversion weirs (c) does not involve excavation exceeding a vertical height of 0.75m (d) does not involve filling exceeding a vertical height of 0.75m (e) does not involve a total combined excavation and filling vertical height of 1.5m.

Mount Lofty Ranges Water Supply Catchment (Area 2) Overlay

Assessment Provisions (AP)

Desired Outcome (DO)

	Desired Outcome
DO 1	Safeguard Greater Adelaide's public water supply by ensuring development has a neutral or beneficial effect on the quality of water harvested from secondary reservoirs or diversion weir catchments from the Mount Lofty Ranges.

Performance Outcomes (PO) and Deemed to Satisfy (DTS) / Designated Performance Feature (DPF) Criteria

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Water Quality	
PO 1.1 Development results in a neutral or beneficial effect on the quality of water draining from the site to maintain and enhance the role of the catchment as a water supply.	DTS/DPF 1.1 None are applicable.
PO 1.2 Development does not include land uses that have the potential to cause adverse impacts on the quality of water draining into secondary public water supply reservoirs and weirs.	DTS/DPF 1.2 Development does not involve any one or combination of the following: (a) landfill (b) special industry.
Wastewater	
PO 2.1 Development that generates human wastewater, including alterations and additions, are established at an intensity and in a manner to minimise potential adverse impact on water quality within secondary reservoir and weir catchment areas.	DTS/DPF 2.1 Development including alterations and additions, in combination with existing built form and activities within an allotment: (a) do not generate a combined total of more than 1500 litres of wastewater per day and (b) will be connected to the same on-site wastewater system that is compliant with relevant South Australian standards or is otherwise connected to a sewer or community wastewater management system.

PO 2.2 Dairy development is of a scale and design that will avoid adverse water quality impacts.	DTS/DPF 2.2 Dairy development satisfies all of the following: (a) is located at least 100 metres from any watercourse, dam, bore or well (b) is connected to a wastewater management system that is located 200 metres from any watercourse, dam, bore or well and is designed and constructed to avoid leakage to groundwater or overflow under extreme rainfall conditions (c) treated wastewater irrigation areas: (i) have a slope of less than 1-in-5 (20 percent) (ii) are greater than 100 metres from any watercourse, dam, bore or well are suitable to provide for seasonal wastewater irrigation without causing pollution of surface or groundwater.
PO 2.3 Development that generates trade or industrial wastewater is designed to ensure wastewater disposal avoids adverse impacts on the quality of water draining into secondary public water supply reservoirs and weirs.	DTS/DPF 2.3 Development that generates trade or industrial wastewater is connected to: (a) a sewer or community wastewater management system with sufficient hydraulic and treatment capacity to accept the inflow or (b) an on-site wastewater holding tank which has storage capacity of more than four days total flow during peak operations and is contained within an impervious, bunded area with a total liquid holding capacity of more than 120 percent of the total holding tank capacity, prior to transporting for off-site disposal.
PO 2.4 Wastewater management systems result in a neutral or beneficial effect on the quality of water draining from the site.	DTS/DPF 2.4 Development results in: (a) a building or land use that is currently connected to an existing on-site wastewater system that is non-compliant with relevant South Australian standards being connected to a new or upgraded system that complies with such standards or (b) an existing on-site wastewater system being decommissioned and wastewater being disposed of to a sewer or community wastewater management system that complies with relevant South Australian standards.
PO 2.5 Surface and groundwater protected from wastewater discharge pollution.	DTS/DPF 2.5 All components of an effluent disposal area are: (a) setback 50 metres or more from a watercourse (b) setback 100 metres of more from a public water supply reservoir (c) located on land with a slope no greater than 1-in-5 (20%) (d) located on land with 1.2m or more depth to bedrock or a seasonal or permanent water table (e) above the 10% AEP flood level.
Stormwater	
PO 3.1 Post-development peak stormwater discharge quantities and rates do not exceed pre-development quantities and rates to maintain water quality leaving the site.	DTS/DPF 3.1 None are applicable.
PO 3.2 Stormwater run-off from areas not likely to be subject to pollution diverted away from areas that could cause pollution.	DTS/DPF 3.2 None are applicable.
PO 3.3	DTS/DPF 3.3

Polluted stormwater is treated prior to discharge from the site.	None are applicable.
PO 3.4 Stormwater from carports, verandahs, outbuildings and agricultural buildings captured to protect water quality.	DTS/DPF 3.4 Development includes: (a) rainwater tanks with a minimum capacity of 1,000L connected to carports, verandahs and outbuildings or (b) rainwater tanks with a minimum capacity of 4,500L connected to agricultural buildings exceeding 100m^2.
PO 3.5 Stormwater from dwelling additions captured to protect water quality.	DTS/DPF 3.5 Dwelling additions are connected to a rainwater tank with a minimum capacity of 1,000L.
PO 3.6 Stormwater from shops and tourist accommodation is managed to protect water quality.	DTS/DPF 3.6 Shops and tourist accommodation satisfy all the following: (a) are located 50m or more from watercourses, wetlands, land prone to waterlogging and bores (b) are located 100m or more from public water supply reservoirs and diversion weirs (c) are located on land with a slope not exceeding 20% (d) includes buildings connected to rainwater tanks with a minimum capacity of 1,000L (e) includes swales that divert clean stormwater away from areas where it could be polluted.
PO 3.7 Stormwater from horse keeping and low intensity animal husbandry is managed to protect water quality.	DTS/DPF 3.7 Horse keeping and low intensity animal husbandry satisfy all the following: (a) is located 50m or more from watercourses, wetlands, land prone to waterlogging and bores (b) is located on land with a slope not exceeding 10% (c) includes stables, shelters or other roofed structures connected to rainwater tanks with a minimum capacity of 1,000L (d) includes swales that divert clean stormwater away from areas (including yards, manure storage areas, and watering points) within which it could be polluted.
PO 3.8 Stormwater from horticulture is managed to protect water quality.	DTS/DPF 3.8 Horticulture satisfies all the following: (a) is located 50m or more from watercourses, wetlands, land prone to waterlogging and bores (b) is located 100m or more from public water supply reservoirs and diversion weirs (c) is located on land with a slope not exceeding 10% (d) includes swales or other structures that divert clean stormwater away from areas (including plant growing areas, chemical storage areas and plant waste storage areas) within which it could be polluted.
PO 3.9 Stormwater from excavated and filled areas is managed to protect water quality.	DTS/DPF 3.9 Excavation and/or filling satisfy all the following: (a) is located 50m or more from watercourses (b) is located 100m or more from public water supply reservoirs and diversion weirs (c) does not involve excavation exceeding a vertical height of 0.75m (d) does not involve filling exceeding a vertical height of 0.75m

	(e) does not involve a total combined excavation and filling vertical height of 1.5m.
Landscapes and Natural Features	
PO 4.1 Development minimises the need to modify landscapes and natural features.	DTS/DPF 4.1 None are applicable.
Land Division	
PO 5.1 Land division does not result in an increased risk of pollution to surface or underground water.	DTS/DPF 5.1 Land division does not create additional allotments and satisfies (a) and/or (b): (a) is for realignment of allotment boundaries to correct an anomaly in the placement of those boundaries with respect to the location of existing buildings or structures or (b) is for realignment of allotment boundaries in order to improve management of the land for primary production and/or conservation of natural features.
PO 5.2 Realignment of allotment boundaries does not create development potential for a dwelling and associated onsite wastewater management system where no such potential currently exists.	DTS/DPF 5.2 None are applicable.

Procedural Matters (PM)

The following table identifies classes of development / activities that require referral in this Overlay and the applicable referral body. It sets out the purpose of the referral as well as the relevant statutory reference from Schedule 9 of the Planning, Development and Infrastructure (General) Regulations 2017.

Class of Development / Activity	Referral Body	Purpose of Referral	Statutory Reference
Any of the following classes of development that are not connected (or not proposed to be connected) to a community wastewater management system or sewerage infrastructure: (a) land division creating one or more additional allotments, either partly or wholly within the area of the overlay (b) function venue with more than 75 seats for customer dining purposes (c) restaurant with more than 40 seats for customer dining purposes (d) restaurant with more than 30 seats for customer dining purposes in association with a cellar door (e) dwelling where a habitable dwelling or tourist accommodation or workers' accommodation already exists on the same allotment (including where a valid planning authorisation exists to erect a dwelling or tourist accommodation or workers' accommodation on the same allotment), except where the existing habitable dwelling or tourist accommodation or workers' accommodation on the same allotment is proposed to be demolished and the existing on-site wastewater system is proposed to be decommissioned	Environment Protection Authority.	To provide expert technical assessment and direction to the relevant authority on whether a proposed development will have a neutral or beneficial impact on water quality.	Development of a class to which Schedule 9 clause 3 item 9 of the Planning, Development and Infrastructure (General) Regulations 2017 applies.

(f) tourist accommodation where a habitable dwelling or tourist accommodation or workers' accommodation already exists on the same allotment (including where a valid planning authorisation exists to erect a habitable dwelling or tourist accommodation or workers' accommodation on the same allotment), except where the existing habitable dwelling or tourist accommodation or workers' accommodation on the same allotment is proposed to be demolished and the existing on-site wastewater system is proposed to be decommissioned (g) workers' accommodation where a habitable dwelling or tourist accommodation or workers' accommodation already exists on the same allotment (including where a valid planning authorisation exists to erect a habitable dwelling or tourist accommodation or workers' accommodation on the same allotment), except where the existing habitable dwelling or tourist accommodation or workers' accommodation on the same allotment is proposed to be demolished and the existing on-site wastewater system is proposed to be decommissioned (h) any other development that generates human wastewater from a peak loading capacity of more than 40 persons (or more than 6,000 litres/day)			
Composting works (excluding a prescribed approved activity) - being a depot, facility or works with the capacity to treat, during a 12 month period more than 200 tonnes of organic waste or matter (EPA Licence)			
Wastewater treatment works - being sewage treatment works, a community wastewater management system, winery wastewater treatment works or any other wastewater treatment works with the capacity to treat, during a 12 month period more than 2.5 ML of wastewater (EPA Licence required at more than 5ML)			
Feedlots - being carrying on an operation for holding in confined yard or area and feeding principally by mechanical means or by hand not less than an average of 200 cattle (EPA Licence) or 1,600 sheep or goats per day over any period of 12 months, but excluding any such operation carried on at an abattoir, slaughterhouse or saleyard or for the purpose only of drought or other emergency feeding			
Piggeries - being the conduct of a piggery (being premises having confined or roofed structures for keeping pigs) with a capacity of 130 or more standard pig units (EPA Licence required at 650 or more standard pig units)			
Dairies - carrying on of a dairy with a total processing capacity exceeding 100 milking animals at any one time.			

Native Vegetation Overlay

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Areas of native vegetation are protected, retained and restored in order to sustain biodiversity, threatened species and vegetation communities, fauna habitat, ecosystem services, carbon storage and amenity values.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Environmental Protection	
PO 1.1 Development avoids, or where it cannot be practically avoided, minimises the clearance of native vegetation taking into account the siting of buildings, access points, bushfire protection measures and building maintenance.	DTS/DPF 1.1 An application is accompanied by: (a) a declaration stating that the proposal will not, or would not, involve clearance of native vegetation under the Native Vegetation Act 1991, including any clearance that may occur: (i) in connection with a relevant access point and / or driveway (ii) within 10m of a building (other than a residential building or tourist accommodation) (iii) within 20m of a dwelling or addition to an existing dwelling for fire prevention and control (iv) within 50m of residential or tourist accommodation in connection with a requirement under a relevant overlay to establish an asset protection zone in a bushfire prone area or (b) a report prepared in accordance with Regulation 18(2)(a) of the Native Vegetation Regulations 2017 that establishes that the clearance is categorised as 'Level 1 clearance'.
PO 1.2 Native vegetation clearance in association with development avoids the following: (a) significant wildlife habitat and movement corridors (b) rare, vulnerable or endangered plants species (c) native vegetation that is significant because it is located in an area which has been extensively cleared (d) native vegetation that is growing in, or in association with, a wetland environment.	DTS/DPF 1.2 None are applicable.
PO 1.3 Intensive animal husbandry, commercial forestry and agricultural activities are sited, set back and designed to minimise impacts on native vegetation, including impacts on native vegetation in an adjacent State Significant Native Vegetation Area, from: (a) in the case of commercial forestry, the spread of fires from a plantation (b) the spread of pest plants and phytophthora (c) the spread of non-indigenous plants species (d) excessive nutrient loading of the soil or loading arising from surface water runoff (e) soil compaction (f) chemical spray drift.	DTS/DPF 1.3 Development within 500 metres of a boundary of a State Significant Native Vegetation Area does not involve any of the following: (a) horticulture (b) intensive animal husbandry (c) dairy (d) commercial forestry (e) aquaculture.
PO 1.4	DTS/DPF 1.4

Development restores and enhances biodiversity and habitat values through revegetation using locally indigenous plant species.	None are applicable.
Land division	
PO 2.1 Land division does not result in the fragmentation of land containing native vegetation, or necessitate the clearance of native vegetation, unless such clearance is considered minor, taking into account the location of allotment boundaries, access ways, fire breaks, boundary fencing and potential building siting or the like.	DTS/DPF 2.1 Land division where: (a) an application is accompanied by one of the following: (i) a declaration stating that none of the allotments in the proposed plan of division contain native vegetation under the *Native Vegetation Act 1991* (ii) a declaration stating that no native vegetation clearance under the *Native Vegetation Act 1991* will be required as a result of the division of land (iii) a report prepared in accordance with Regulation 18(2)(a) of the Native Vegetation Regulations 2017 that establishes that the vegetation to be cleared is categorised as 'Level 1 clearance' or (b) an application for land division which is being considered concurrently with a proposal to develop each allotment which will satisfy, or would satisfy, the requirements of DTS/DPF 1.1, including any clearance that may occur or (c) the division is to support a Heritage Agreement under the Native Vegetation Act 1991 or the *Heritage Places Act 1993*.

Procedural Matters (PM) - Referrals

The following table identifies classes of development / activities that require referral in this Overlay and the applicable referral body. It sets out the purpose of the referral as well as the relevant statutory reference from Schedule 9 of the Planning, Development and Infrastructure (General) Regulations 2017.

Class of Development / Activity	Referral Body	Purpose of Referral	Statutory Reference
Development that is the subject of a report prepared in accordance with Regulation 18(2)(a) of the *Native Vegetation Regulations 2017* that categorises the clearance, or potential clearance, as 'Level 3 clearance' or 'Level 4 clearance'.	Native Vegetation Council	To provide expert assessment and direction to the relevant authority on the potential impacts of development on native vegetation.	Development of a class to which Schedule 9 clause 3 item 11 of the Planning, Development and Infrastructure (General) Regulations 2017 applies.

Prescribed Water Resources Area Overlay

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Sustainable water use in prescribed water resources areas maintains the health and natural flow paths of surface water, watercourses and wells.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
PO 1.1 All development, but in particular development involving any of the following: (a) horticulture (b) activities requiring irrigation (c) aquaculture (d) industry (e) intensive animal husbandry (f) commercial forestry has a lawful, sustainable and reliable water supply that does not place undue strain on water resources in prescribed water resource areas.	DTS/DPF 1.1 Development satisfies either of the following: (a) the applicant has a current water licence in which sufficient spare capacity exists to accommodate the water needs of the proposed use or (b) the proposal does not involve the taking of water for which a licence would be required under the *Landscape South Australia Act 2019*.
PO 1.2 Development comprising the erection, construction, modification, enlargement or removal of a dam, wall or other structure that will collect or divert surface water flowing over land is undertaken in a manner that maintains the quality and quantity of flows required to meet the needs of the environment as well as downstream users.	DTS/DPF 1.2 None are applicable.

Procedural Matters (PM) - Referrals

The following table identifies classes of development / activities that require referral in this Overlay and the applicable referral body. It sets out the purpose of the referral as well as the relevant statutory reference from Schedule 9 of the Planning, Development and Infrastructure (General) Regulations 2017.

Class of Development / Activity	Referral Body	Purpose of Referral	Statutory Reference
Development that comprises the erection, construction, modification, enlargement or removal of a dam, wall or other structure that will collect or divert, or collects or diverts surface water flowing over land.	Relevant authority under the *Landscape South Australia Act 2019* that would, if it were not for the operation of section 106(1)(e) of that Act, have the authority under that Act to grant or refuse a permit to undertake the subject development.	To provide expert assessment and direction to the relevant authority on potential impacts from development on the health, sustainability and/or natural flow paths of water resources in accordance with the provisions of the relevant water allocation plan or regional landscape plan or equivalent.	Development of a class to which Schedule 9 clause 3 item 12 of the Planning, Development and Infrastructure (General) Regulations 2017 applies.
Any of the following classes of development that require or may require water to be taken in addition to any allocation that has already been granted under the *Landscape South Australia Act 2019*: (a) horticulture (b) activities requiring irrigation (c) aquaculture	The Chief Executive of the Department of the Minister responsible for the administration of the *Landscape South Australia Act 2019.*	To provide expert technical assessment and direction to the relevant authority on the taking of water to ensure development is undertaken sustainably and maintains the health and natural flow paths of water resources.	Development of a class to which Schedule 9 clause 3 item 13 of the Planning, Development

(d) industry (e) intensive animal husbandry (f) commercial forestry			and Infrastructure (General) Regulations 2017 applies.
Commercial forestry that requires a forest water licence under Part 8 Division 6 of the *Landscape South Australia Act 2019.*			

Regulated and Significant Tree Overlay

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Conservation of regulated and significant trees to provide aesthetic and environmental benefits and mitigate tree loss.

Performance Outcomes (PO) and Deemed to Satisfy (DTS) / Designated Performance Feature (DPF) Criteria

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Tree Retention and Health	
PO 1.1 Regulated trees are retained where they: (a) make an important visual contribution to local character and amenity (b) are indigenous to the local area and listed under the *National Parks and Wildlife Act 1972* as a rare or endangered native species and / or (c) provide an important habitat for native fauna.	DTS/DPF 1.1 None are applicable.
PO 1.2 Significant trees are retained where they: (a) make an important contribution to the character or amenity of the local area (b) are indigenous to the local area and are listed under the *National Parks and Wildlife Act 1972* as a rare or endangered native species (c) represent an important habitat for native fauna (d) are part of a wildlife corridor of a remnant area of native vegetation (e) are important to the maintenance of biodiversity in the local environment and / or (f) form a notable visual element to the landscape of the local area.	DTS/DPF 1.2 None are applicable.
PO 1.3 A tree damaging activity not in connection with other development satisfies (a) and (b): (a) tree damaging activity is only undertaken to: (i) remove a diseased tree where its life expectancy is short	DTS/DPF 1.3 None are applicable.

(ii) mitigate an unacceptable risk to public or private safety due to limb drop or the like (iii) rectify or prevent extensive damage to a building of value as comprising any of the following: A. a Local Heritage Place B. a State Heritage Place C. a substantial building of value and there is no reasonable alternative to rectify or prevent such damage other than to undertake a tree damaging activity (iv) reduce an unacceptable hazard associated with a tree within 20m of an existing residential, tourist accommodation or other habitable building from bushfire (v) treat disease or otherwise in the general interests of the health of the tree and / or (vi) maintain the aesthetic appearance and structural integrity of the tree (b) in relation to a significant tree, tree-damaging activity is avoided unless all reasonable remedial treatments and measures have been determined to be ineffective.	
PO 1.4 A tree-damaging activity in connection with other development satisfies all the following: (a) it accommodates the reasonable development of land in accordance with the relevant zone or subzone where such development might not otherwise be possible (b) in the case of a significant tree, all reasonable development options and design solutions have been considered to prevent substantial tree-damaging activity occurring.	DTS/DPF 1.4 None are applicable.
Ground work affecting trees	
PO 2.1 Regulated and significant trees, including their root systems, are not unduly compromised by excavation and / or filling of land, or the sealing of surfaces within the vicinity of the tree to support their retention and health.	DTS/DPF 2.1 None are applicable.
Land Division	
PO 3.1 Land division results in an allotment configuration that enables its subsequent development and the retention of regulated and significant trees as far as is reasonably practicable.	DTS/DPF 3.1 Land division where: (a) there are no regulated or significant trees located within or adjacent to the plan of division or (b) the application demonstrates that an area exists to accommodate subsequent development of proposed allotments after an allowance has been made for a tree protection zone around any regulated tree within and adjacent to the plan of division.

Procedural Matters (PM) - Referrals

The following table identifies classes of development / activities that require referral in this Overlay and the applicable referral body. It sets out the purpose of the referral as well as the relevant statutory reference from Schedule 9 of the Planning, Development and Infrastructure (General) Regulations 2017.

Class of Development / Activity	Referral Body	Purpose of Referral	Statutory Reference
None	None	None	None

Traffic Generating Development Overlay

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Safe and efficient operation of Urban Transport Routes and Major Urban Transport Routes for all road users.
DO 2	Provision of safe and efficient access to and from urban transport routes and major urban transport routes.

Performance Outcomes (PO) and Deemed to Satisfy (DTS) / Designated Performance Feature (DPF) Criteria

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Traffic Generating Development	
PO 1.1 Development designed to minimise its potential impact on the safety, efficiency and functional performance of the State Maintained Road network.	DTS/DPF 1.1 Access is obtained directly from a State Maintained Road where it involves any of the following types of development: (a) building, or buildings, containing in excess of 50 dwellings (b) land division creating 50 or more additional allotments (c) commercial development with a gross floor area of 10,000m2 or more (d) retail development with a gross floor area of 2,000m2 or more (e) a warehouse or transport depot with a gross leasable floor area of 8,000m2 or more (f) industry with a gross floor area of 20,000m2 or more (g) educational facilities with a capacity of 250 students or more.
PO 1.2 Access points sited and designed to accommodate the type and volume of traffic likely to be generated by development.	DTS/DPF 1.2 Access is obtained directly from a State Maintained Road where it involves any of the following types of development: (a) building, or buildings, containing in excess of 50 dwellings (b) land division creating 50 or more additional allotments (c) commercial development with a gross floor area of 10,000m2 or more (d) retail development with a gross floor area of 2,000m2 or more (e) a warehouse or transport depot with a gross leasable floor area of 8,000m2 or more (f) industry with a gross floor area of 20,000m2 or more (g) educational facilities with a capacity of 250 students or more.
PO 1.3 Sufficient accessible on-site queuing provided to meet the needs of the development so that queues do not impact on the State Maintained Road network.	DTS/DPF 1.3 Access is obtained directly from a State Maintained Road where it involves any of the following types of development: (a) building, or buildings, containing in excess of 50 dwellings (b) land division creating 50 or more additional allotments (c) commercial development with a gross floor area of 10,000m2 or more (d) retail development with a gross floor area of 2,000m2 or more

	(e) a warehouse or transport depot with a gross leasable floor area of 8,000m2 or more (f) industry with a gross floor area of 20,000m2 or more (g) educational facilities with a capacity of 250 students or more.

Procedural Matters (PM) - Referrals

The following table identifies classes of development / activities that require referral in this Overlay and the applicable referral body. It sets out the purpose of the referral as well as the relevant statutory reference from Schedule 9 of the Planning, Development and Infrastructure (General) Regulations 2017.

Class of Development / Activity	Referral Body	Purpose of Referral	Statutory Reference
Except where all of the relevant deemed-to-satisfy criteria are met, any of the following classes of development that are proposed within 250m of a State Maintained Road: (a) except where a proposed development has previously been referred under clause (b) - a building, or buildings, containing in excess of 50 dwellings (b) except where a proposed development has previously been referred under clause (a) - land division creating 50 or more additional allotments (c) commercial development with a gross floor area of 10,000m^2 or more (d) retail development with a gross floor area of 2,000m^2 or more (e) a warehouse or transport depot with a gross leasable floor area of 8,000m^2 or more (f) industry with a gross floor area of 20,000m^2 or more (g) educational facilities with a capacity of 250 students or more.	Commissioner of Highways.	To provide expert technical assessment and direction to the Relevant Authority on the safe and efficient operation and management of all roads relevant to the Commissioner of Highways as described in the Planning and Design Code.	Development of a class to which Schedule 9 clause 3 item 7 of the Planning, Development and Infrastructure (General) Regulations 2017 applies.

Urban Transport Routes Overlay

Assessment Provisions (AP)

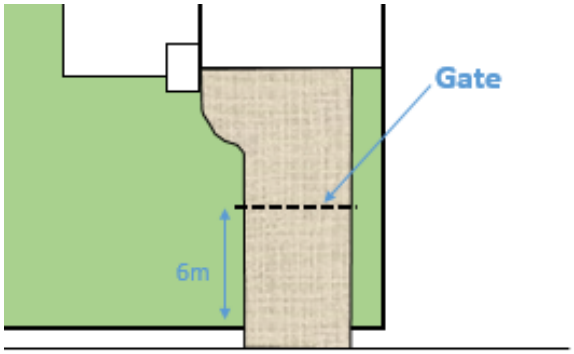
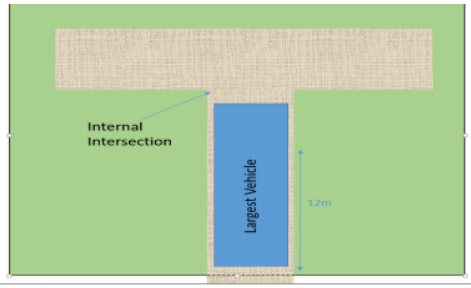
Desired Outcome (DO)

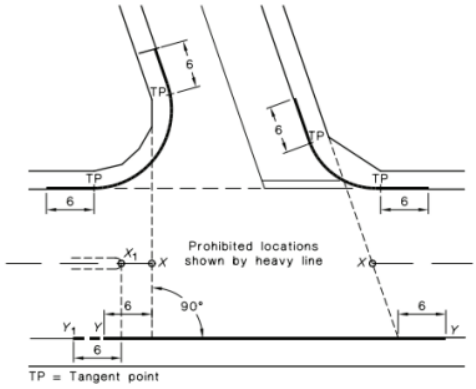
	Desired Outcome
DO 1	Safe and efficient operation of Urban Transport Routes for all road users.
DO 2	Provision of safe and efficient access to and from Urban Transport Routes.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Access - Safe Entry and Exit (Traffic Flow)	
PO 1.1 Access is designed to allow safe entry and exit to and from a site to	DTS/DPF 1.1 An access point satisfies (a), (b) or (c):

meet the needs of development and minimise traffic flow interference associated with access movements along adjacent State maintained roads.	(a) where servicing a single (1) dwelling / residential allotment: (i) it will not result in more than one access point (ii) vehicles can enter and exit the site in a forward direction (iii) vehicles can cross the property boundary at an angle between 70 degrees and 90 degrees (iv) passenger vehicles (with a length up to 5.2m) can enter and exit the site wholly within the kerbside lane of the road (v) it will have a width of between 3m and 4m (measured at the site boundary) (b) where the development will result in 2 and up to 6 dwellings: (i) it will not result in more than one access point servicing the development site (ii) vehicles can enter and exit the site in a forward direction (iii) vehicles can cross the property boundary at an angle between 70 degrees and 90 degrees (iv) passenger vehicles (with a length up to 5.2m) can enter and exit the site wholly within the kerbside lane of the road (v) it will have a width of between 5.8m to 6m (measured at the site boundary) and an access depth of 6m (measured from the site boundary into the site) (c) where the development will result in 7 or more dwellings, or is a non-residential land use: (i) it will not result in more than one access point servicing the development site (ii) vehicles can enter and exit the site using left turn only movements (iii) vehicles can enter and exit the site in a forward direction (iv) vehicles can cross the property boundary at an angle between 70 degrees and 90 degrees (v) it will have a width of between 6m and 7m (measured at the site boundary), where the development is expected to accommodate vehicles with a length of 6.4m or less (vi) it will have a width of between 6m and 9m (measured at the site boundary), where the development is expected to accommodate vehicles with a length from 6.4m to 8.8m (vii) it will have a width of between 9m and 12m (measured at the site boundary), where the development is expected to accommodate vehicles with a length from 8.8m to 12.5m (viii) provides for simultaneous two-way vehicle movements at the access: A. with entry and exit movements for vehicles with a length up to 5.2m vehicles being fully within the kerbside lane of the road and B. with entry movements of 8.8m vehicles (where relevant) being fully within the kerbside lane of the road and the exit movements of 8.8m vehicles do not cross the centreline of the road.
Access - On-Site Queuing	
PO 2.1 Sufficient accessible on-site queuing adjacent to access points is	DTS/DPF 2.1 An access point in accordance with one of the following:

provided to meet the needs of development so that all vehicle queues can be contained fully within the boundaries of the development site, to minimise interruption on the functional performance of the road and maintain safe vehicle movements.	(a) will not service, or is not intended to service, more than 6 dwellings and there are no internal driveways, intersections, car parking spaces or gates within 6.0m of the access point (measured from the site boundary into the site) as shown in the following diagram:  (b) will service, or is intended to service, development that will generate less than 60 vehicle movements per day, and: (i) is expected to be serviced by vehicles with a length no greater than 6.4m (ii) there are no internal driveways, intersections, parking spaces or gates within 6.0m of the access point (measured from the site boundary into the site) (c) will service, or is intended to service, development that will generate less than 60 vehicle movements per day, and: (i) is expected to be serviced by vehicles with a length greater than a 6.4m small rigid vehicle (ii) there are no internal driveways, intersections, parking spaces or gates within 6.0m of the access point (measured from the site boundary into the site) (iii) any termination of or change in priority of movement within the main car park aisle is located far enough into the site so that the largest vehicle expected on-site can store fully within the site before being required to stop (iv) all parking or manoeuvring areas for commercial vehicles are located a minimum of 12m or the length of the longest vehicle expected on site from the access (measured from the site boundary into the site) as shown in the following diagram: 
Access - (Location Spacing) - Existing Access Point	
PO 3.1	DTS/DPF 3.1

Existing access points are designed to accommodate the type and volume of traffic likely to be generated by the development.	An existing access point satisfies (a), (b) or (c): (a) it will not service, or is not intended to service, more than 6 dwellings (b) it is not located on a Controlled Access Road and will not service development that will result in a larger class of vehicle expected to access the site using the existing access (c) is not located on a Controlled Access Road and development constitutes: (i) a change of use between an office <500m² gross leasable floor area and a consulting room <500m² gross leasable floor area or vice versa (ii) a change in use from a shop to an office, consulting room or personal or domestic services establishment (iii) a change of use from a consulting room or office <250m² gross leasable floor area to shop <250m² gross leasable floor area (iv) a change of use from a shop <500m² gross leasable floor area to a warehouse <500m² gross leasable floor area (v) an office or consulting room with a <500m² gross leasable floor area (vi) a change of use from a residential dwelling to a shop, office, consulting room or personal or domestic services establishment with <250m² gross leasable floor area.
Access – Location (Spacing) – New Access Points	
PO 4.1 New access points are spaced apart from any existing access point or public road junction to manage impediments to traffic flow and maintain safe and efficient operating conditions on the road.	DTS/DPF 4.1 A new access point satisfies (a), (b) or (c): (a) where a development site is intended to serve between 1 and 6 dwellings, access to the site is from the local road network (not being a Controlled Access Road) and is located outside of the bold lines shown in the following diagram:  NOTE: The points marked X_1 and X are respectively at the median end on a divided road and at the intersection of the main road centre-line and the extensions of the side road property lines shown as dotted lines, on an undivided road. On a divided road, dimension Y-Y extends to Point Y_1. (b) where the development site is intended to serve between 1 and 6 dwellings, the new access: (i) is not located on a Controlled Access Road (ii) is not located on a section of road affected by double barrier lines (iii) will be on a road with a speed environment of 70km/h or less (iv) is located outside of the bold lines on the diagram shown in the diagram following part (a) (v) is located a minimum of 6m from a median opening or pedestrian crossing

(c) where DTS/DPF 4.1 part (a) and (b) do not apply and access from an alternative local road at least 25m from the State Maintained Road is not available, and the access is not located on a Controlled Access Road, the new access is separated in accordance with the following:

Speed Limit	Separation between access points	Separation from public road junctions and merging/terminating lanes
50 km/h or less	No spacing requirement	20m
60 km/h	5m (for development intended to serve between 1 and 6 dwellings) and 10m for all other cases	73m
70 km/h	40m	92m
80 km/h	50m	114m
90 km/h	65m	139m
100 km/h	80m	165m
110 km/h	100m	193m

Access - Location (Sight Lines)

PO 5.1

Access points are located and designed to accommodate sight lines that enable drivers and pedestrians to navigate potential conflict points with roads in a controlled and safe manner.

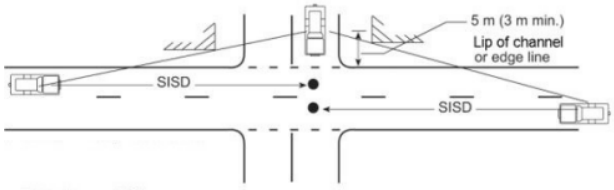
DTS/DPF 5.1

An access point satisfies (a) and (c) or (b) and (c):

(a) the development site does or is intended to serve between 1 and 6 dwellings and utilises an existing access point
or

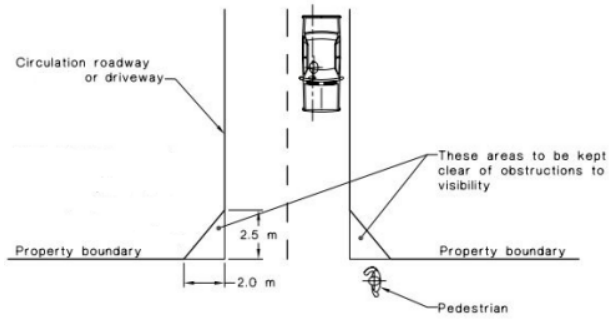
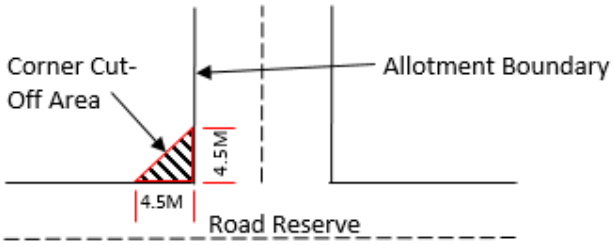
(b) drivers approaching or exiting an access point have an unobstructed line of sight in accordance with the following (measured at a height of 1.1m above the surface of the road):

Speed Limit	Access point serving 1-6 dwellings	Access point serving all other development
40 km/h or less	47m	73m
50 km/h	63m	97m
60 km/h	81m	123m
70 km/h	100m	151m
80 km/h	121m	181m
90 km/h	144m	226m
100 km/h	169m	262m
110km/h	195m	300m



and

(c) pedestrian sightlines in accordance with the following diagram:

	
Access – Mud and Debris	
PO 6.1 Access points constructed to minimise mud or other debris being carried or transferred onto the road to ensure safe road operating conditions.	DTS/DPF 6.1 Where the road has an unsealed shoulder and the road is not kerbed, the access way is sealed from the edge of seal on the road for a minimum of 10m or to the property boundary (whichever is closer).
Access - Stormwater	
PO 7.1 Access points are designed to minimise negative impact on roadside drainage of water.	DTS/DPF 7.1 Development does not: (a) decrease the capacity of an existing drainage point (b) restrict or prevent the flow of stormwater through an existing drainage point and system (c) result in access points becoming stormwater flow paths directly onto the road.
Building on Road Reserve	
PO 8.1 Buildings or structures that encroach onto, above or below road reserves are designed and sited to minimise impact on safe movements by all road users.	DTS/DPF 8.1 Buildings or structures are not located on, above or below the road reserve.
Public Road Junctions	
PO 9.1 New junctions with a public road (including the opening of unmade public road junctions) or modifications to existing road junctions are located and designed to ensure safe operating conditions are maintained on the State Maintained Road.	DTS/DPF 9.1 Development does not comprise any of the following: (a) creating a new junction with a public road (b) opening an unmade public road junction (c) modifying an existing public road junction.
Corner Cut-Offs	
PO 10.1 Development is located and designed to maintain sightlines for drivers turning into and out of public road junctions to contribute to driver safety.	DTS/DPF 10.1 Development does not involve building work, or building work is located wholly outside the land shown as 'Corner Cut-Off Area' in the following diagram: 

Procedural Matters (PM) - Referrals

The following table identifies classes of development / activities that require referral in this Overlay and the applicable referral body. It sets out the purpose of the referral as well as the relevant statutory reference from Schedule 9 of the Planning, Development and Infrastructure (General) Regulations 2017.

Class of Development / Activity	Referral Body	Purpose of Referral	Statutory Reference
Except where all of the relevant deemed-to-satisfy criteria are met, development (including the division of land) that involves any of the following to/on a State Maintained Road or within 25 metres of an intersection with any such road: (a) creation of a new access or junction (b) alterations to an existing access or public road junction (except where deemed to be minor in the opinion of the relevant authority) (c) development that changes the nature of vehicular movements or increase the number or frequency of movements through an existing access (except where deemed to be minor in the opinion of the relevant authority).	Commissioner of Highways.	To provide expert technical assessment and direction to the Relevant Authority on the safe and efficient operation and management of all roads relevant to the Commissioner of Highways as described in the Planning and Design Code.	Development of a class to which Schedule 9 clause 3 item 7 of the Planning, Development and Infrastructure (General) Regulations 2017 applies.

Water Resources Overlay

Assessment Provisions (AP)

Desired Outcome (DO)

	Desired Outcome
DO 1	Protection of the quality of surface waters considering adverse water quality impacts associated with projected reductions in rainfall and warmer air temperatures as a result of climate change.
DO 2	Maintain the conveyance function and natural flow paths of watercourses to assist in the management of flood waters and stormwater runoff.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Water Catchment	
PO 1.1 Watercourses and their beds, banks, wetlands and floodplains (1% AEP flood extent) are not damaged or modified and are retained in their natural state, except where modification is required for essential access or maintenance purposes.	DTS/DPF 1.1 None are applicable.
PO 1.2 Development avoids interfering with the existing hydrology or water regime of swamps and wetlands other than to improve the existing conditions to enhance environmental values.	DTS/DPF 1.2 None are applicable.
PO 1.3 Wetlands and low-lying areas providing habitat for native flora and fauna are not drained, except temporarily for essential management	DTS/DPF 1.3 None are applicable.

purposes to enhance environmental values.	
PO 1.4 Watercourses, areas of remnant native vegetation, or areas prone to erosion that are capable of natural regeneration are fenced off to limit stock access.	DTS/DPF 1.4 None are applicable.
PO 1.5 Development that increases surface water run-off includes a suitably sized strip of vegetated land on each side of a watercourse to filter runoff to: (a) reduce the impacts on native aquatic ecosystems (b) minimise soil loss eroding into the watercourse.	DTS/DPF 1.5 A strip of land 20m or more wide measured from the top of existing banks on each side of the watercourse is free from development, livestock use and revegetated with locally indigenous vegetation.
PO 1.6 Development resulting in the depositing or placing of an object or solid material in a watercourse or lake occurs only where it involves any of the following: (a) the construction of an erosion control structure (b) devices or structures used to extract or regulate water flowing in a watercourse (c) devices used for scientific purposes (d) the rehabilitation of watercourses.	DTS/DPF 1.6 None are applicable.
PO 1.7 Watercourses, floodplains (1% AEP flood extent) and wetlands protected and enhanced by retaining and protecting existing native vegetation.	DTS/DPF 1.7 None are applicable.
PO 1.8 Watercourses, floodplains (1% AEP flood extent) and wetlands are protected and enhanced by stabilising watercourse banks and reducing sediments and nutrients entering the watercourse.	DTS/DPF 1.8 None are applicable.
PO 1.9 Dams, water tanks and diversion drains are located and constructed to maintain the quality and quantity of flows required to meet environmental and downstream needs.	DTS/DPF 1.9 None are applicable.

Procedural Matters (PM) - Referrals

The following table identifies classes of development / activities that require referral in this Overlay and the applicable referral body. It sets out the purpose of the referral as well as the relevant statutory reference from Schedule 9 of the Planning, Development and Infrastructure (General) Regulations 2017.

Class of Development / Activity	Referral Body	Purpose of Referral	Statutory Reference
None	None	None	None

Part 4 - General Development Policies

Advertisements

Assessment Provisions (AP)

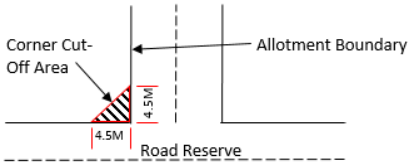
Desired Outcome (DO)

Desired Outcome	
DO 1	Advertisements and advertising hoardings are appropriate to context, efficient and effective in communicating with the public, limited in number to avoid clutter, and do not create hazard.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Appearance	
PO 1.1 Advertisements are compatible and integrated with the design of the building and/or land they are located on.	DTS/DPF 1.1 Advertisements attached to a building satisfy all of the following: (a) are not located in a Neighbourhood-type zone (b) where they are flush with a wall: (i) if located at canopy level, are in the form of a fascia sign (ii) if located above canopy level: A. do not have any part rising above parapet height B. are not attached to the roof of the building (c) where they are not flush with a wall: (i) if attached to a verandah, no part of the advertisement protrudes beyond the outer limits of the verandah structure (ii) if attached to a two-storey building: A. has no part located above the finished floor level of the second storey of the building B. does not protrude beyond the outer limits of any verandah structure below C. does not have a sign face that exceeds 1m2 per side. (d) if located below canopy level, are flush with a wall (e) if located at canopy level, are in the form of a fascia sign (f) if located above a canopy: (i) are flush with a wall (ii) do not have any part rising above parapet height (iii) are not attached to the roof of the building. (g) if attached to a verandah, no part of the advertisement protrudes beyond the outer limits of the verandah structure (h) if attached to a two-storey building, have no part located above the finished floor level of the second storey of the building (i) where they are flush with a wall, do not, in combination with any other existing sign, cover more than 15% of the building facade to which they are attached.
PO 1.2 Advertising hoardings do not disfigure the appearance of the land upon which they are situated or the character of the locality.	DTS/DPF 1.2 Where development comprises an advertising hoarding, the supporting structure is:

	(a) concealed by the associated advertisement and decorative detailing or (b) not visible from an adjacent public street or thoroughfare, other than a support structure in the form of a single or dual post design.
PO 1.3 Advertising does not encroach on public land or the land of an adjacent allotment.	DTS/DPF 1.3 Advertisements and/or advertising hoardings are contained within the boundaries of the site.
PO 1.4 Where possible, advertisements on public land are integrated with existing structures and infrastructure.	DTS/DPF 1.4 Advertisements on public land that meet at least one of the following: (a) achieves Advertisements DTS/DPF 1.1 (b) are integrated with a bus shelter.
PO 1.5 Advertisements and/or advertising hoardings are of a scale and size appropriate to the character of the locality.	DTS/DPF 1.5 None are applicable.
Proliferation of Advertisements	
PO 2.1 Proliferation of advertisements is minimised to avoid visual clutter and untidiness.	DTS/DPF 2.1 No more than one freestanding advertisement is displayed per occupancy.
PO 2.2 Multiple business or activity advertisements are co-located and coordinated to avoid visual clutter and untidiness.	DTS/DPF 2.2 Advertising of a multiple business or activity complex is located on a single advertisement fixture or structure.
PO 2.3 Proliferation of advertisements attached to buildings is minimised to avoid visual clutter and untidiness.	DTS/DPF 2.3 Advertisements satisfy all of the following: (a) are attached to a building (b) other than in a Neighbourhood-type zone, where they are flush with a wall, cover no more than 15% of the building facade to which they are attached (c) do not result in more than one sign per occupancy that is not flush with a wall.
Advertising Content	
PO 3.1 Advertisements are limited to information relating to the lawful use of land they are located on to assist in the ready identification of the activity or activities on the land and avoid unrelated content that contributes to visual clutter and untidiness.	DTS/DPF 3.1 Advertisements contain information limited to a lawful existing or proposed activity or activities on the same site as the advertisement.
Amenity Impacts	
PO 4.1 Light spill from advertisement illumination does not unreasonably compromise the amenity of sensitive receivers.	DTS/DPF 4.1 Advertisements do not incorporate any illumination.
Safety	
PO 5.1 Advertisements and/or advertising hoardings erected on a verandah or projecting from a building wall are designed and located to allow for safe and convenient pedestrian access.	DTS/DPF 5.1 Advertisements have a minimum clearance of 2.5m between the top of the footpath and base of the underside of the sign.
PO 5.2 Advertisements and/or advertising hoardings do not distract or create a hazard to drivers through excessive illumination.	DTS/DPF 5.2 No advertisement illumination is proposed.

PO 5.3 Advertisements and/or advertising hoardings do not create a hazard to drivers by: (a) being liable to interpretation by drivers as an official traffic sign or signal (b) obscuring or impairing drivers' view of official traffic signs or signals (c) obscuring or impairing drivers' view of features of a road that are potentially hazardous (such as junctions, bends, changes in width and traffic control devices) or other road or rail vehicles at/or approaching level crossings.	DTS/DPF 5.3 Advertisements satisfy all of the following: (a) are not located in a public road or rail reserve (b) are located wholly outside the land shown as 'Corner Cut-Off Area' in the following diagram 
PO 5.4 Advertisements and/or advertising hoardings do not create a hazard by distracting drivers from the primary driving task at a location where the demands on driver concentration are high.	DTS/DPF 5.4 Advertisements and/or advertising hoardings are not located along or adjacent to a road having a speed limit of 80km/h or more.
PO 5.5 Advertisements and/or advertising hoardings provide sufficient clearance from the road carriageway to allow for safe and convenient movement by all road users.	DTS/DPF 5.5 Where the advertisement or advertising hoarding is: (a) on a kerbed road with a speed zone of 60km/h or less, the advertisement or advertising hoarding is located at least 0.6m from the roadside edge of the kerb (b) on an unkerbed road with a speed zone of 60km/h or less, the advertisement or advertising hoarding is located at least 5.5m from the edge of the seal (c) on any other kerbed or unkerbed road, the advertisement or advertising hoarding is located a minimum of the following distance from the roadside edge of the kerb or the seal: (a) 110 km/h road - 14m (b) 100 km/h road - 13m (c) 90 km/h road - 10m (d) 70 or 80 km/h road - 8.5m.
PO 5.6 Advertising near signalised intersections does not cause unreasonable distraction to road users through illumination, flashing lights, or moving or changing displays or messages.	DTS/DPF 5.6 Advertising: (a) is not illuminated (b) does not incorporate a moving or changing display or message (c) does not incorporate a flashing light(s).

Animal Keeping and Horse Keeping

Assessment Provisions (AP)

Desired Outcome (DO)

	Desired Outcome
DO 1	Animals are kept at a density that is not beyond the carrying capacity of the land and in a manner that minimises their adverse effects on the environment, local amenity and surrounding development.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Siting and Design	
PO 1.1 Animal keeping, horse keeping and associated activities do not create adverse impacts on the environment or the amenity of the locality.	DTS/DPF 1.1 None are applicable.
PO 1.2 Animal keeping and horse keeping is located and managed to minimise the potential transmission of disease to other operations where animals are kept.	DTS/DPF 1.2 None are applicable.
Horse Keeping	
PO 2.1 Water from stable wash-down areas is directed to appropriate absorption areas and/or drainage pits to minimise pollution of land and water.	DTS/DPF 2.1 None are applicable.
PO 2.2 Stables, horse shelters or associated yards are sited appropriate distances away from sensitive receivers and/or allotments in other ownership to avoid adverse impacts from dust, erosion and odour.	DTS/DPF 2.2 Stables, horse shelters and associated yards are sited in accordance with all of the following: (a) 30m or more from any sensitive receivers (existing or approved) on land in other ownership (b) where an adjacent allotment is vacant and in other ownership, 30m or more from the boundary of that allotment.
PO 2.3 All areas accessible to horses are separated from septic tank effluent disposal areas to protect the integrity of that system. Stable flooring is constructed with an impervious material to facilitate regular cleaning.	DTS/DPF 2.3 Septic tank effluent disposal areas are enclosed with a horse-proof barrier such as a fence to exclude horses from this area.
PO 2.4 To minimise environmental harm and adverse impacts on water resources, stables, horse shelters and associated yards are appropriately set back from a watercourse.	DTS/DPF 2.4 Stables, horse shelters and associated yards are set back 50m or more from a watercourse.
PO 2.5 Stables, horse shelters and associated yards are located on slopes that are stable to minimise the risk of soil erosion and water runoff.	DTS/DPF 2.5 Stables, horse shelters and associated yards are not located on land with a slope greater than 10% (1-in-10).
Kennels	
PO 3.1 Kennel flooring is constructed with an impervious material to facilitate regular cleaning.	DTS/DPF 3.1 The floors of kennels satisfy all of the following: (a) are constructed of impervious concrete (b) are designed to be self-draining when washed down.
PO 3.2 Kennels and exercise yards are designed and sited to minimise noise nuisance to neighbours through measures such as: (a) adopting appropriate separation distances (b) orientating openings away from sensitive receivers.	DTS/DPF 3.2 Kennels are sited 500m or more from the nearest sensitive receiver on land in other ownership.
PO 3.3 Dogs are regularly observed and managed to minimise nuisance impact on adjoining sensitive receivers from animal behaviour.	DTS/DPF 3.3 Kennels are sited in association with a permanent dwelling on the land.
Wastes	
PO 4.1	DTS/DPF 4.1

Storage of manure, used litter and other wastes (other than wastewater lagoons) is designed, constructed and managed to minimise attracting and harbouring vermin.	None are applicable.
PO 4.2 Facilities for the storage of manure, used litter and other wastes (other than wastewater lagoons) are located to minimise the potential for polluting water resources.	DTS/DPF 4.2 Waste storage facilities (other than wastewater lagoons) are located outside the 1% AEP flood event areas.

Aquaculture

Assessment Provisions (AP)

Desired Outcome (DO)

	Desired Outcome
DO 1	Aquaculture facilities are developed in an ecologically, economically and socially sustainable manner to support an equitable sharing of marine, coastal and inland resources and mitigate conflict with other water-based and land-based uses.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Land-based Aquaculture	
PO 1.1 Land-based aquaculture and associated components are sited and designed to mitigate adverse impacts on nearby sensitive receivers.	DTS/DPF 1.1 Land-based aquaculture and associated components are located to satisfy all of the following: (a) 200m or more from a sensitive receiver in other ownership (b) 500m or more from the boundary of a zone primarily intended to accommodate sensitive receivers or The development is the subject of an aquaculture lease and/or licence (as applicable) granted under the *Aquaculture Act 2001*.
PO 1.2 Land-based aquaculture and associated components are sited and designed to prevent surface flows from entering ponds in a 1% AEP sea flood level event.	DTS/DPF 1.2 None are applicable.
PO 1.3 Land-based aquaculture and associated components are sited and designed to prevent pond leakage that would pollute groundwater.	DTS/DPF 1.3 The development is the subject of an aquaculture lease and/or licence (as applicable) granted under the *Aquaculture Act 2001*.
PO 1.4 Land-based aquaculture and associated components are sited and designed to prevent farmed species escaping and entering into any waters.	DTS/DPF 1.4 The development is the subject of an aquaculture lease and/or licence (as applicable) granted under the *Aquaculture Act 2001*.
PO 1.5 Land-based aquaculture and associated components, including intake and discharge pipes, are designed to minimise the need to traverse sensitive areas to minimise impact on the natural environment.	DTS/DPF 1.5 None are applicable.

PO 1.6 Pipe inlets and outlets associated with land-based aquaculture are sited and designed to minimise the risk of disease transmission.	DTS/DPF 1.6 The development is the subject of an aquaculture lease and/or licence (as applicable) granted under the *Aquaculture Act 2001*.
PO 1.7 Storage areas associated with aquaculture activity are integrated with the use of the land and sited and designed to minimise their visual impact on the surrounding environment.	DTS/DPF 1.7 None are applicable.
Marine Based Aquaculture	
PO 2.1 Marine aquaculture is sited and designed to minimise its adverse impacts on sensitive ecological areas including: (a) creeks and estuaries (b) wetlands (c) significant seagrass and mangrove communities (d) marine habitats and ecosystems.	DTS/DPF 2.1 None are applicable.
PO 2.2 Marine aquaculture is sited in areas with adequate water current to disperse sediments and dissolve particulate wastes to prevent the build-up of waste that may cause environmental harm.	DTS/DPF 2.2 The development is the subject of an aquaculture lease and/or licence (as applicable) granted under the *Aquaculture Act 2001*.
PO 2.3 Marine aquaculture is designed to not involve discharge of human waste on the site, on any adjacent land or into nearby waters.	DTS/DPF 2.3 The development does not include toilet facilities located over water.
PO 2.4 Marine aquaculture (other than inter-tidal aquaculture) is located an appropriate distance seaward of the high water mark.	DTS/DPF 2.4 Marine aquaculture development is located 100m or more seaward of the high water mark or The development is the subject of an aquaculture lease and/or licence (as applicable) granted under the *Aquaculture Act 2001*.
PO 2.5 Marine aquaculture is sited and designed to not obstruct or interfere with: (a) areas of high public use (b) areas, including beaches, used for recreational activities such as swimming, fishing, skiing, sailing and other water sports (c) areas of outstanding visual or environmental value (d) areas of high tourism value (e) areas of important regional or state economic activity, including commercial ports, wharfs and jetties (f) the operation of infrastructure facilities including inlet and outlet pipes associated with the desalination of sea water.	DTS/DPF 2.5 None are applicable.
PO 2.6 Marine aquaculture is sited and designed to minimise interference and obstruction to the natural processes of the coastal and marine environment.	DTS/DPF 2.6 None are applicable.
PO 2.7 Marine aquaculture is designed to be as unobtrusive as practicable by incorporating measures such as: (a) using feed hoppers painted in subdued colours and suspending them as close as possible to the surface of the water	DTS/DPF 2.7 None are applicable.

(b) positioning structures to protrude the minimum distance practicable above the surface of the water (c) avoiding the use of shelters and structures above cages and platforms unless necessary to exclude predators and protected species from interacting with the farming structures and/or stock inside the cages, or for safety reasons (d) positioning racks, floats and other farm structures in unobtrusive locations landward from the shoreline.	
PO 2.8 Access, launching and maintenance facilities utilise existing established roads, tracks, ramps and paths to or from the sea where possible to minimise environmental and amenity impacts.	DTS/DPF 2.8 The development utilises existing established roads, tracks, ramps and/or paths (as applicable) to access the sea.
PO 2.9 Access, launching and maintenance facilities are developed as common user facilities and are co-located where practicable to mitigate adverse impacts on coastal areas.	DTS/DPF 2.9 The development utilises existing established roads, tracks, ramps and/or paths (as applicable) to access the sea.
PO 2.10 Marine aquaculture is sited to minimise potential impacts on, and to protect the integrity of, reserves under the *National Parks and Wildlife Act 1972*.	DTS/DPF 2.10 Marine aquaculture is located 1000m or more seaward of the boundary of any reserve under the *National Parks and Wildlife Act 1972*.
PO 2.11 Onshore storage, cooling and processing facilities do not impair the coastline and its visual amenity by: (a) being sited, designed, landscaped and of a scale to reduce the overall bulk and appearance of buildings and complement the coastal landscape (b) making provision for appropriately sited and designed vehicular access arrangements, including using existing vehicular access arrangements as far as practicable (c) incorporating appropriate waste treatment and disposal.	DTS/DPF 2.11 The development does not include any onshore facilities in conjunction with a proposal for marine aquaculture.
Navigation and Safety	
PO 3.1 Marine aquaculture sites are suitably marked to maintain navigational safety.	DTS/DPF 3.1 The development is the subject of an aquaculture lease and/or licence (as applicable) granted under the *Aquaculture Act 2001*.
PO 3.2 Marine aquaculture is sited to provide adequate separation between farms for safe navigation.	DTS/DPF 3.2 The development is the subject of an aquaculture lease and/or licence (as applicable) granted under the *Aquaculture Act 2001*.
Environmental Management	
PO 4.1 Marine aquaculture is maintained to prevent hazards to people and wildlife, including breeding grounds and habitats of native marine mammals and terrestrial fauna, especially migratory species.	DTS/DPF 4.1 None are applicable.
PO 4.2 Marine aquaculture is designed to facilitate the relocation or removal of structures in the case of emergency such as oil spills, algal blooms and altered water flows.	DTS/DPF 4.2 None are applicable.
PO 4.3 Marine aquaculture provides for progressive or future reclamation of disturbed areas ahead of, or upon, decommissioning.	DTS/DPF 4.3 None are applicable.
PO 4.4 Aquaculture operations incorporate measures for the removal and	DTS/DPF 4.4 The development is the subject of an aquaculture lease and/or licence

disposal of litter, disused material, shells, debris, detritus, dead animals and animal waste to prevent pollution of waters, wetlands, or the nearby coastline.	(as applicable) granted under the *Aquaculture Act 2001*.

Beverage Production in Rural Areas

Assessment Provisions (AP)

Desired Outcome (DO)

	Desired Outcome
DO 1	Mitigation of potential amenity and environmental impacts of value-adding beverage production facilities such as wineries, distilleries, cideries and breweries.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Odour and Noise	
PO 1.1 Beverage production activities are designed and sited to minimise odour impacts on rural amenity.	DTS/DPF 1.1 None are applicable.
PO 1.2 Beverage production activities are designed and sited to minimise noise impacts on sensitive receivers.	DTS/DPF 1.2 None are applicable.
PO 1.3 Fermentation, distillation, manufacturing, storage, packaging and bottling activities occur within enclosed buildings to improve the visual appearance within a locality and manage noise associated with these activities.	DTS/DPF 1.3 None are applicable.
PO 1.4 Breweries are designed to minimise odours emitted during boiling and fermentation stages of production.	DTS/DPF 1.4 Brew kettles are fitted with a vapour condenser.
PO 1.5 Beverage production solid wastes are stored in a manner that minimises odour impacts on sensitive receivers in other ownership.	DTS/DPF 1.5 Solid waste from beverage production is collected and stored in sealed containers and removed from the site within 48 hours.
Water Quality	
PO 2.1 Beverage production wastewater management systems (including wastewater irrigation) are set back from watercourses to minimise adverse impacts on water resources.	DTS/DPF 2.1 Wastewater management systems are set back 50m or more from the banks of watercourses and bores.
PO 2.2 The storage or disposal of chemicals or hazardous substances is undertaken in a manner to prevent pollution of water resources.	DTS/DPF 2.2 None are applicable.
PO 2.3 Stormwater runoff from areas that may cause contamination due to	DTS/DPF 2.3 None are applicable.

beverage production activities (including vehicle movements and machinery operations) is drained to an onsite stormwater treatment system to manage potential environmental impacts.	
PO 2.4 Stormwater runoff from areas unlikely to cause contamination by beverage production and associated activities (such as roof catchments and clean hard-paved surfaces) is diverted away from beverage production areas and wastewater management systems.	DTS/DPF 2.4 None are applicable.
Wastewater Irrigation	
PO 3.1 Beverage production wastewater irrigation systems are designed and located to not contaminate soil and surface and ground water resources or damage crops.	DTS/DPF 3.1 None are applicable.
PO 3.2 Beverage production wastewater irrigation systems are designed and located to minimise impact on amenity and avoid spray drift onto adjoining land.	DTS/DPF 3.2 Beverage production wastewater is not irrigated within 50m of any dwelling in other ownership.
PO 3.3 Beverage production wastewater is not irrigated onto areas that pose an undue risk to the environment or amenity such as: (a) waterlogged areas (b) land within 50m of a creek, swamp or domestic or stock water bore (c) land subject to flooding (d) steeply sloping land (e) rocky or highly permeable soil overlaying an unconfined aquifer.	DTS/DPF 3.3 None are applicable.

Bulk Handling and Storage Facilities

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Facilities for the bulk handling and storage of agricultural, mineral, petroleum, rock, ore or other similar commodities are designed to minimise adverse impacts on transport networks, the landscape and surrounding land uses.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Siting and Design	
PO 1.1 Bulk handling and storage facilities are sited and designed to minimise risks of adverse air quality and noise impacts on sensitive receivers.	DTS/DPF 1.1 Facilities for the handling, storage and dispatch of commodities in bulk (excluding processing) meet the following minimum separation distances from sensitive receivers:

	(a) bulk handling of agricultural crop products, rock, ores, minerals, petroleum products or chemicals at a wharf or wharf side facility (including sea-port grain terminals), where the handling of these materials into or from vessels does not exceed 100 tonnes per day: 300m or more from residential premises not associated with the facility (b) bulk handling of agricultural crop products, rock, ores, minerals, petroleum products or chemicals to or from any commercial storage facility: 300m or more from residential premises not associated with the facility (c) bulk petroleum storage involving individual containers with a capacity up to 200 litres and a total on-site storage capacity not exceeding 1,000 cubic metres: 500m or more (d) coal handling with: a. capacity up to 1 tonne per day or a storage capacity up to 50 tonnes: 500m or more b. capacity exceeding 1 tonne per day but not exceeding 100 tonnes per day or a storage capacity exceeding 50 tonnes but not exceeding 5000 tonnes: 1000m or more.
Buffers and Landscaping	
PO 2.1 Bulk handling and storage facilities incorporate a buffer area for the establishment of dense landscaping adjacent road frontages to enhance the appearance of land and buildings from public thoroughfares.	DTS/DPF 2.1 None are applicable.
PO 2.2 Bulk handling and storage facilities incorporate landscaping to assist with screening and dust filtration.	DTS/DPF 2.2 None are applicable.
Access and Parking	
PO 3.1 Roadways and vehicle parking areas associated with bulk handling and storage facilities are designed and surfaced to control dust emissions and prevent drag out of material from the site.	DTS/DPF 3.1 Roadways and vehicle parking areas are sealed with an all-weather surface.
Slipways, Wharves and Pontoons	
PO 4.1 Slipways, wharves and pontoons used for the handling of bulk materials (such as fuel, oil, catch, bait and the like) incorporate catchment devices to avoid the release of materials into adjacent waters.	DTS/DPF 4.1 None are applicable.

Clearance from Overhead Powerlines

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Protection of human health and safety when undertaking development in the vicinity of overhead transmission powerlines.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
PO 1.1	DTS/DPF 1.1

Buildings are adequately separated from aboveground powerlines to minimise potential hazard to people and property.	One of the following is satisfied: (a) a declaration is provided by or on behalf of the applicant to the effect that the proposal would not be contrary to the regulations prescribed for the purposes of section 86 of the *Electricity Act 1996* (b) there are no aboveground powerlines adjoining the site that are the subject of the proposed development.

Design

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Development is: (a) contextual - by considering, recognising and carefully responding to its natural surroundings or built environment and positively contributes to the character of the immediate area (b) durable - fit for purpose, adaptable and long lasting (c) inclusive - by integrating landscape design to optimise pedestrian and cyclist usability, privacy and equitable access, and promoting the provision of quality spaces integrated with the public realm that can be used for access and recreation and help optimise security and safety both internally and within the public realm, for occupants and visitors (d) sustainable - by integrating sustainable techniques into the design and siting of development and landscaping to improve community health, urban heat, water management, environmental performance, biodiversity and local amenity and to minimise energy consumption.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
All development	
External Appearance	
PO 1.1 Buildings reinforce corners through changes in setback, articulation, materials, colour and massing (including height, width, bulk, roof form and slope).	DTS/DPF 1.1 None are applicable.
PO 1.2 Where zero or minor setbacks are desirable, development provides shelter over footpaths (in the form of verandahs, awnings, canopies and the like, with adequate lighting) to positively contribute to the walkability, comfort and safety of the public realm.	DTS/DPF 1.2 None are applicable.
PO 1.3 Building elevations facing the primary street (other than ancillary buildings) are designed and detailed to convey purpose, identify main access points and complement the streetscape.	DTS/DPF 1.3 None are applicable.
PO 1.4 Plant, exhaust and intake vents and other technical equipment is integrated into the building design to minimise visibility from the public realm and negative impacts on residential amenity by: (a) positioning plant and equipment in unobtrusive locations viewed from public roads and spaces	DTS/DPF 1.4 Development does not incorporate any structures that protrude beyond the roofline.

(b) screening rooftop plant and equipment from view (c) when located on the roof of non-residential development, locating the plant and equipment as far as practicable from adjacent sensitive land uses.	
PO 1.5 The negative visual impact of outdoor storage, waste management, loading and service areas is minimised by integrating them into the building design and screening them from public view (such as fencing, landscaping and built form) taking into account the form of development contemplated in the relevant zone.	DTS/DPF 1.5 None are applicable.
Safety	
PO 2.1 Development maximises opportunities for passive surveillance of the public realm by providing clear lines of sight, appropriate lighting and the use of visually permeable screening wherever practicable.	DTS/DPF 2.1 None are applicable.
PO 2.2 Development is designed to differentiate public, communal and private areas.	DTS/DPF 2.2 None are applicable.
PO 2.3 Buildings are designed with safe, perceptible and direct access from public street frontages and vehicle parking areas.	DTS/DPF 2.3 None are applicable.
PO 2.4 Development at street level is designed to maximise opportunities for passive surveillance of the adjacent public realm.	DTS/DPF 2.4 None are applicable.
PO 2.5 Common areas and entry points of buildings (such as the foyer areas of residential buildings), and non-residential land uses at street level, maximise passive surveillance from the public realm to the inside of the building at night.	DTS/DPF 2.5 None are applicable.
Landscaping	
PO 3.1 Soft landscaping and tree planting is incorporated to: (a) minimise heat absorption and reflection (b) maximise shade and shelter (c) maximise stormwater infiltration (d) enhance the appearance of land and streetscapes (e) contribute to biodiversity.	DTS/DPF 3.1 None are applicable.
PO 3.2 Soft landscaping and tree planting maximises the use of locally indigenous plant species, incorporates plant species best suited to current and future climate conditions and avoids pest plant and weed species.	DTS/DPF 3.2 None are applicable.
Environmental Performance	
PO 4.1 Buildings are sited, oriented and designed to maximise natural sunlight access and ventilation to main activity areas, habitable rooms, common areas and open spaces.	DTS/DPF 4.1 None are applicable.
PO 4.2 Buildings are sited and designed to maximise passive environmental performance and minimise energy consumption and reliance on	DTS/DPF 4.2 None are applicable.

mechanical systems, such as heating and cooling.	
PO 4.3 Buildings incorporate climate-responsive techniques and features such as building and window orientation, use of eaves, verandahs and shading structures, water harvesting, at ground landscaping, green walls, green roofs and photovoltaic cells.	DTS/DPF 4.3 None are applicable.
Water Sensitive Design	
PO 5.1 Development is sited and designed to maintain natural hydrological systems without negatively impacting: (a) the quantity and quality of surface water and groundwater (b) the depth and directional flow of surface water and groundwater (c) the quality and function of natural springs.	DTS/DPF 5.1 None are applicable.
On-site Waste Treatment Systems	
PO 6.1 Dedicated on-site effluent disposal areas do not include any areas to be used for, or could be reasonably foreseen to be used for, private open space, driveways or car parking.	DTS/DPF 6.1 Effluent disposal drainage areas do not: (a) encroach within an area used as private open space or result in less private open space than that specified in Design Table 1 - Private Open Space (b) use an area also used as a driveway (c) encroach within an area used for on-site car parking or result in less on-site car parking than that specified in Transport, Access and Parking Table 1 - General Off-Street Car Parking Requirements or Table 2 - Off-Street Car Parking Requirements in Designated Areas.
Carparking Appearance	
PO 7.1 Development facing the street is designed to minimise the negative impacts of any semi-basement and undercroft car parking on the streetscapes through techniques such as: (a) limiting protrusion above finished ground level (b) screening through appropriate planting, fencing and mounding (c) limiting the width of openings and integrating them into the building structure.	DTS/DPF 7.1 None are applicable.
PO 7.2 Vehicle parking areas are appropriately located, designed and constructed to minimise impacts on adjacent sensitive receivers through measures such as ensuring they are attractively developed and landscaped, screen fenced and the like.	DTS/DPF 7.2 None are applicable.
PO 7.3 Safe, legible, direct and accessible pedestrian connections are provided between parking areas and the development.	DTS/DPF 7.3 None are applicable.
PO 7.4 Street level vehicle parking areas incorporate tree planting to provide shade and reduce solar heat absorption and reflection.	DTS/DPF 7.4 None are applicable.
PO 7.5 Street level parking areas incorporate soft landscaping to improve visual appearance when viewed from within the site and from public places.	DTS/DPF 7.5 None are applicable.

PO 7.6 Vehicle parking areas and associated driveways are landscaped to provide shade and positively contribute to amenity.	DTS/DPF 7.6 None are applicable.
PO 7.7 Vehicle parking areas and access ways incorporate integrated stormwater management techniques such as permeable or porous surfaces, infiltration systems, drainage swales or rain gardens that integrate with soft landscaping.	DTS/DPF 7.7 None are applicable.
Earthworks and sloping land	
PO 8.1 Development, including any associated driveways and access tracks, minimises the need for earthworks to limit disturbance to natural topography.	DTS/DPF 8.1 Development does not involve any of the following: (a) excavation exceeding a vertical height of 1m (b) filling exceeding a vertical height of 1m (c) a total combined excavation and filling vertical height of 2m or more.
PO 8.2 Driveways and access tracks are designed and constructed to allow safe and convenient access on sloping land (with a gradient exceeding 1 in 8).	DTS/DPF 8.2 Driveways and access tracks on sloping land (with a gradient exceeding 1 in 8) satisfy (a) and (b): (a) do not have a gradient exceeding 25% (1-in-4) at any point along the driveway (b) are constructed with an all-weather trafficable surface.
PO 8.3 Driveways and access tracks on sloping land (with a gradient exceeding 1 in 8): (a) do not contribute to the instability of embankments and cuttings (b) provide level transition areas for the safe movement of people and goods to and from the development (c) are designed to integrate with the natural topography of the land.	DTS/DPF 8.3 None are applicable.
PO 8.4 Development on sloping land (with a gradient exceeding 1 in 8) avoids the alteration of natural drainage lines and includes on-site drainage systems to minimise erosion.	DTS/DPF 8.4 None are applicable.
PO 8.5 Development does not occur on land at risk of landslip nor increases the potential for landslip or land surface instability.	DTS/DPF 8.5 None are applicable.
Fences and Walls	
PO 9.1 Fences, walls and retaining walls are of sufficient height to maintain privacy and security without unreasonably impacting the visual amenity and adjoining land's access to sunlight or the amenity of public places.	DTS/DPF 9.1 None are applicable.
PO 9.2 Landscaping incorporated on the low side of retaining walls is visible from public roads and public open space to minimise visual impacts.	DTS/DPF 9.2 A vegetated landscaped strip 1m wide or more is provided against the low side of a retaining wall.
Overlooking / Visual Privacy (in building 3 storeys or less)	
PO 10.1 Development mitigates direct overlooking from upper level windows to	DTS/DPF 10.1 Upper level windows facing side or rear boundaries shared with a

habitable rooms and private open spaces of adjoining residential uses.	residential allotment/site satisfy one of the following: (a) are permanently obscured to a height of 1.5m above finished floor level and are fixed or not capable of being opened more than 200mm (b) have sill heights greater than or equal to 1.5m above finished floor level (c) incorporate screening with a maximum of 25% openings, permanently fixed no more than 500mm from the window surface and sited adjacent to any part of the window less than 1.5 m above the finished floor level.
PO 10.2 Development mitigates direct overlooking from balconies, terraces and decks to habitable rooms and private open space of adjoining residential uses.	DTS/DPF 10.2 One of the following is satisfied: (a) the longest side of the balcony or terrace will face a public road, public road reserve or public reserve that is at least 15m wide in all places faced by the balcony or terrace or (b) all sides of balconies or terraces on upper building levels are permanently obscured by screening with a maximum 25% transparency/openings fixed to a minimum height of: (i) 1.5m above finished floor level where the balcony is located at least 15 metres from the nearest habitable window of a dwelling on adjacent land or (ii) 1.7m above finished floor level in all other cases
All Residential development	
Front elevations and passive surveillance	
PO 11.1 Dwellings incorporate windows along primary street frontages to encourage passive surveillance and make a positive contribution to the streetscape.	DTS/DPF 11.1 Each dwelling with a frontage to a public street: (a) includes at least one window facing the primary street from a habitable room that has a minimum internal room dimension of 2.4m (b) has an aggregate window area of at least $2m^2$ facing the primary street.
PO 11.2 Dwellings incorporate entry doors within street frontages to address the street and provide a legible entry point for visitors.	DTS/DPF 11.2 Dwellings with a frontage to a public street have an entry door visible from the primary street boundary.
Outlook and amenity	
PO 12.1 Living rooms have an external outlook to provide a high standard of amenity for occupants.	DTS/DPF 12.1 A living room of a dwelling incorporates a window with an outlook towards the street frontage or private open space, public open space, or waterfront areas.
PO 12.2 Bedrooms are separated or shielded from active communal recreation areas, common access areas and vehicle parking areas and access ways to mitigate noise and artificial light intrusion.	DTS/DPF 12.2 None are applicable.
Ancillary Development	
PO 13.1 Residential ancillary buildings and structures are sited and designed to not detract from the streetscape or appearance of buildings on the site or neighbouring properties.	DTS/DPF 13.1 Ancillary buildings: (a) are ancillary to a dwelling erected on the same site (b) have a floor area not exceeding 60m2 (c) are not constructed, added to or altered so that any part is situated:

(i) in front of any part of the building line of the dwelling to which it is ancillary
or
(ii) within 900mm of a boundary of the allotment with a secondary street (if the land has boundaries on two or more roads)

(d) in the case of a garage or carport, the garage or carport:
(i) is set back at least 5.5m from the boundary of the primary street
(ii) when facing a primary street or secondary street, has a total door / opening not exceeding:
A. for dwellings of single building level - 7m in width or 50% of the site frontage, whichever is the lesser
B. for dwellings comprising two or more building levels at the building line fronting the same public street - 7m in width

(e) if situated on a boundary (not being a boundary with a primary street or secondary street), do not exceed a length of 11.5m unless:
(i) a longer wall or structure exists on the adjacent site and is situated on the same allotment boundary
and
(ii) the proposed wall or structure will be built along the same length of boundary as the existing adjacent wall or structure to the same or lesser extent

(f) if situated on a boundary of the allotment (not being a boundary with a primary street or secondary street), all walls or structures on the boundary will not exceed 45% of the length of that boundary

(g) will not be located within 3m of any other wall along the same boundary unless on an adjacent site on that boundary there is an existing wall of a building that would be adjacent to or about the proposed wall or structure

(h) have a wall height or post height not exceeding 3m above natural ground level (and not including a gable end)

(i) have a roof height where no part of the roof is more than 5m above the natural ground level

(j) if clad in sheet metal, is pre-colour treated or painted in a non-reflective colour

(k) retains a total area of soft landscaping in accordance with (i) or (ii), whichever is less:
(i) a total area as determined by the following table:

Dwelling site area (or in the case of residential flat building or group dwelling(s), average site area) (m^2)	Minimum percentage of site
<150	10%
150-200	15%
201-450	20%
>450	25%

(ii) the amount of existing soft landscaping prior to the development occurring.

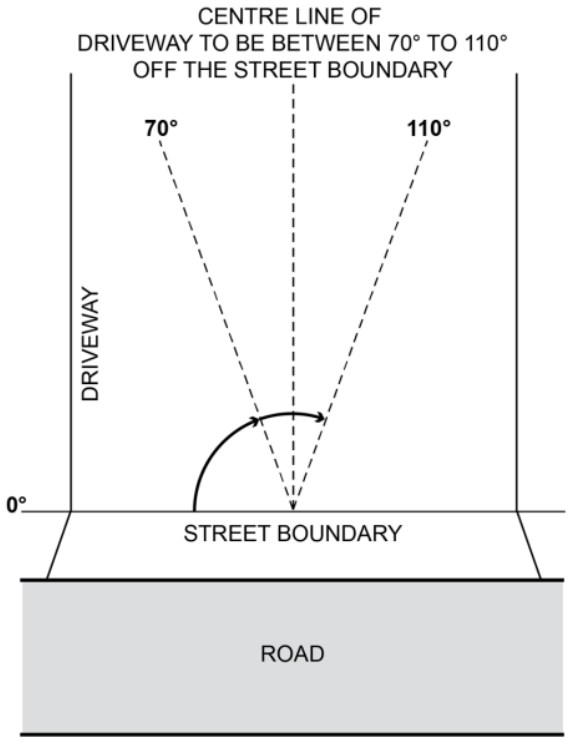
(l) in relation to ancillary accommodation in the Rural Zone, Productive Rural Landscape Zone, or Rural Horticulture Zone, is located within 20m of an existing dwelling.

PO 13.2	DTS/DPF 13.2

Ancillary buildings and structures do not impede on-site functional requirements such as private open space provision or car parking requirements and do not result in over-development of the site.	Ancillary buildings and structures do not result in: (a) less private open space than specified in Design in Urban Areas Table 1 - Private Open Space (b) less on-site car parking than specified in Transport, Access and Parking Table 1 - General Off-Street Car Parking Requirements or Table 2 - Off-Street Car Parking Requirements in Designated Areas.
PO 13.3 Fixed plant and equipment in the form of pumps and/or filtration systems for a swimming pool or spa is positioned and/or housed to not cause unreasonable noise nuisance to adjacent sensitive receivers.	DTS/DPF 13.3 The pump and/or filtration system is ancillary to a dwelling erected on the same site and is: (a) enclosed in a solid acoustic structure that is located at least 5m from the nearest habitable room located on an adjoining allotment or (b) located at least 12m from the nearest habitable room located on an adjoining allotment.
PO 13.4 Buildings and structures that are ancillary to an existing non-residential use do not detract from the streetscape character, appearance of buildings on the site of the development, or the amenity of neighbouring properties.	DTS/DPF 13.4 Non-residential ancillary buildings and structures: (a) are ancillary and subordinate to an existing non-residential use on the same site (b) have a floor area not exceeding the following: Allotment size / Floor area ≤500m2 / 60m2 >500m2 / 80m2 (c) are not constructed, added to or altered so that any part is situated: (i) in front of any part of the building line of the main building to which it is ancillary or (ii) within 900mm of a boundary of the allotment with a secondary street (if the land has boundaries on two or more roads) (d) in the case of a garage or carport, the garage or carport: (i) is set back at least 5.5m from the boundary of the primary street (e) if situated on a boundary (not being a boundary with a primary street or secondary street), do not exceed a length of 11.5m unless: (i) a longer wall or structure exists on the adjacent site and is situated on the same allotment boundary (ii) the proposed wall or structure will be built along the same length of boundary as the existing adjacent wall or structure to the same or lesser extent (f) if situated on a boundary of the allotment (not being a boundary with a primary street or secondary street), all walls or structures on the boundary will not exceed 45% of the length of that boundary (g) will not be located within 3m of any other wall along the same boundary unless on an adjacent site on that boundary there is an existing wall of a building that would be adjacent to or about the proposed wall or structure (h) have a wall height (or post height) not exceeding 3m (and not including a gable end) (i) have a roof height where no part of the roof is more than 5m above the natural ground level (j) if clad in sheet metal, is pre-colour treated or painted in a non-reflective colour.
Garage appearance	
PO 14.1	DTS/DPF 14.1

Garaging is designed to not detract from the streetscape or appearance of a dwelling.	Garages and carports facing a street: (a) are situated so that no part of the garage or carport is in front of any part of the building line of the dwelling (b) are set back at least 5.5m from the boundary of the primary street (c) have a garage door / opening not exceeding 7m in width (d) have a garage door /opening width not exceeding 50% of the site frontage unless the dwelling has two or more building levels at the building line fronting the same public street.
Massing	
PO 15.1 The visual mass of larger buildings is reduced when viewed from adjoining allotments or public streets.	DTS/DPF 15.1 None are applicable
Dwelling additions	
PO 16.1 Dwelling additions are sited and designed to not detract from the streetscape or amenity of adjoining properties and do not impede on-site functional requirements.	DTS / DPF 16.1 Dwelling additions: (a) are not constructed, added to or altered so that any part is situated closer to a public street (b) do not result in: (i) excavation exceeding a vertical height of 1m (ii) filling exceeding a vertical height of 1m (iii) a total combined excavation and filling vertical height of 2m or more (iv) less Private Open Space than specified in Design Table 1 - Private Open Space (v) less on-site parking than specified in Transport Access and Parking Table 1 - General Off-Street Car Parking Requirements or Table 2 - Off-Street Car Parking Requirements in Designated Areas (vi) upper level windows facing side or rear boundaries unless: A. they are permanently obscured to a height of 1.5m above finished floor level that is fixed or not capable of being opened more than 200mm or B. have sill heights greater than or equal to 1.5m above finished floor level or C. incorporate screening to a height of 1.5m above finished floor level (vii) all sides of balconies or terraces on upper building levels are permanently obscured by screening with a maximum 25% transparency/openings fixed to a minimum height of: A. 1.5m above finished floor level where the balcony is located at least 15 metres from the nearest habitable window of a dwelling on adjacent land B. 1.7m above finished floor level in all other cases.
Private Open Space	
PO 17.1 Dwellings are provided with suitable sized areas of usable private open space to meet the needs of occupants.	DTS/DPF 17.1 Private open space is provided in accordance with Design Table 1 - Private Open Space.
Water Sensitive Design	

PO 18.1 Residential development creating a common driveway / access includes stormwater management systems that minimise the discharge of sediment, suspended solids, organic matter, nutrients, bacteria, litter and other contaminants to the stormwater system, watercourses or other water bodies.	DTS/DPF 18.1 Residential development creating a common driveway / access that services 5 or more dwellings achieves the following stormwater runoff outcomes: (a) 80 per cent reduction in average annual total suspended solids (b) 60 per cent reduction in average annual total phosphorus (c) 45 per cent reduction in average annual total nitrogen.
PO 18.2 Residential development creating a common driveway / access includes a stormwater management system designed to mitigate peak flows and manage the rate and duration of stormwater discharges from the site to ensure that the development does not increase the peak flows in downstream systems.	DTS/DPF 18.2 Development creating a common driveway / access that services 5 or more dwellings: (a) maintains the pre-development peak flow rate from the site based upon a 0.35 runoff coefficient for the 18.1% AEP 30-minute storm and the stormwater runoff time to peak is not increased or captures and retains the difference in pre-development runoff volume (based upon a 0.35 runoff coefficient) vs post development runoff volume from the site for an 18.1% AEP 30-minute storm; and (b) manages site generated stormwater runoff up to and including the 1% AEP flood event to avoid flooding of buildings.
Car parking, access and manoeuvrability	
PO 19.1 Enclosed parking spaces are of a size and dimensions to be functional, accessible and convenient.	DTS/DPF 19.1 Residential car parking spaces enclosed by fencing, walls or other structures have the following internal dimensions (separate from any waste storage area): (a) single width car parking spaces: (i) a minimum length of 5.4m per space (ii) a minimum width of 3.0m (iii) a minimum garage door width of 2.4m (b) double width car parking spaces (side by side): (i) a minimum length of 5.4m (ii) a minimum width of 5.4m (iii) minimum garage door width of 2.4m per space.
PO 19.2 Uncovered parking spaces are of a size and dimensions to be functional, accessible and convenient.	DTS/DPF 19.2 Uncovered car parking spaces have: (a) a minimum length of 5.4m (b) a minimum width of 2.4m (c) a minimum width between the centre line of the space and any fence, wall or other obstruction of 1.5m
PO 19.3 Driveways and access points are located and designed to facilitate safe access and egress while maximising land available for street tree planting, pedestrian movement, domestic waste collection, landscaped street frontages and on-street parking.	DTS/DPF 19.3 Driveways and access points on sites with a frontage to a public road of 10m or less have a width between 3.0 and 3.2 metres measured at the property boundary and are the only access point provided on the site.
PO 19.4 Vehicle access is safe, convenient, minimises interruption to the operation of public roads and does not interfere with street infrastructure or street trees.	DTS/DPF 19.4 Vehicle access to designated car parking spaces satisfy (a) or (b): (a) is provided via a lawfully existing or authorised access point or an access point for which consent has been granted as part of an application for the division of land (b) where newly proposed:

	(i) is set back 6m or more from the tangent point of an intersection of 2 or more roads (ii) is set back outside of the marked lines or infrastructure dedicating a pedestrian crossing (iii) does not involve the removal, relocation or damage to of mature street trees, street furniture or utility infrastructure services.
PO 19.5 Driveways are designed to enable safe and convenient vehicle movements from the public road to on-site parking spaces.	DTS/DPF 19.5 Driveways are designed and sited so that: (a) the gradient of the driveway does not exceed a grade of 1 in 4 and includes transitions to ensure a maximum grade change of 12.5% (1 in 8) for summit changes, and 15% (1 in 6.7) for sag changes, in accordance with AS 2890.1:2004 to prevent vehicles bottoming or scraping (b) the centreline of the driveway has an angle of no less than 70 degrees and no more than 110 degrees from the street boundary to which it takes its access as shown in the following diagram:  (c) if located to provide access from an alley, lane or right of way - the alley, land or right or way is at least 6.2m wide along the boundary of the allotment / site
PO 19.6 Driveways and access points are designed and distributed to optimise the provision of on-street visitor parking.	DTS/DPF 19.6 Where on-street parking is available abutting the site's street frontage, on-street parking is retained in accordance with the following requirements: (a) minimum 0.33 on-street spaces per dwelling on the site (rounded up to the nearest whole number) (b) minimum car park length of 5.4m where a vehicle can enter or exit a space directly (c) minimum carpark length of 6m for an intermediate space located between two other parking spaces or to an end obstruction where the parking is indented.
Waste storage	
PO 20.1	DTS/DPF 20.1

Provision is made for the adequate and convenient storage of waste bins in a location screened from public view.	None are applicable.
Design of Transportable Dwellings	
PO 21.1 The sub-floor space beneath transportable buildings is enclosed to give the appearance of a permanent structure.	DTS/DPF 21.1 Buildings satisfy (a) or (b): (a) are not transportable or (b) the sub-floor space between the building and ground level is clad in a material and finish consistent with the building.
Group dwelling, residential flat buildings and battle-axe development	
Amenity	
PO 22.1 Dwellings are of a suitable size to accommodate a layout that is well organised and provides a high standard of amenity for occupants.	DTS/DPF 22.1 Dwellings have a minimum internal floor area in accordance with the following table: **Number of bedrooms** / **Minimum internal floor area** Studio / 35m^2 1 bedroom / 50m^2 2 bedroom / 65m^2 3+ bedrooms / 80m^2 and any dwelling over 3 bedrooms provides an additional 15m^2 for every additional bedroom
PO 22.2 The orientation and siting of buildings minimises impacts on the amenity, outlook and privacy of occupants and neighbours.	DTS/DPF 22.2 None are applicable.
PO 22.3 Development maximises the number of dwellings that face public open space and public streets and limits dwellings oriented towards adjoining properties.	DTS/DPF 22.3 None are applicable.
PO 22.4 Battle-axe development is appropriately sited and designed to respond to the existing neighbourhood context.	DTS/DPF 22.4 Dwelling sites/allotments are not in the form of a battle-axe arrangement.
Communal Open Space	
PO 23.1 Private open space provision may be substituted for communal open space which is designed and sited to meet the recreation and amenity needs of residents.	DTS/DPF 23.1 None are applicable.
PO 23.2 Communal open space is of sufficient size and dimensions to cater for group recreation.	DTS/DPF 23.2 Communal open space incorporates a minimum dimension of 5 metres.
PO 23.3 Communal open space is designed and sited to: (a) be conveniently accessed by the dwellings which it services (b) have regard to acoustic, safety, security and wind effects.	DTS/DPF 23.3 None are applicable.

PO 23.4 Communal open space contains landscaping and facilities that are functional, attractive and encourage recreational use.	DTS/DPF 23.4 None are applicable.
PO 23.5 Communal open space is designed and sited to: (a) in relation to rooftop or elevated gardens, minimise overlooking into habitable room windows or onto the useable private open space of other dwellings (b) in relation to ground floor communal space, be overlooked by habitable rooms to facilitate passive surveillance.	DTS/DPF 23.5 None are applicable.
Carparking, access and manoeuvrability	
PO 24.1 Driveways and access points are designed and distributed to optimise the provision of on-street visitor parking.	DTS/DPF 24.1 Where on-street parking is available directly adjacent the site, on-street parking is retained adjacent the subject site in accordance with the following requirements: (a) minimum 0.33 on-street car parks per proposed dwellings (rounded up to the nearest whole number) (b) minimum car park length of 5.4m where a vehicle can enter or exit a space directly (c) minimum carpark length of 6m for an intermediate space located between two other parking spaces or to an end obstruction where the parking is indented.
PO 24.2 The number of vehicular access points onto public roads is minimised to reduce interruption of the footpath and positively contribute to public safety and walkability.	DTS/DPF 24.2 Access to group dwellings or dwellings within a residential flat building is provided via a single common driveway.
PO 24.3 Residential driveways that service more than one dwelling are designed to allow safe and convenient movement.	DTS/DPF 24.3 Driveways that service more than 1 dwelling or a dwelling on a battle-axe site: (a) have a minimum width of 3m (b) for driveways servicing more than 3 dwellings: (i) have a width of 5.5m or more and a length of 6m or more at the kerb of the primary street (ii) where the driveway length exceeds 30m, incorporate a passing point at least every 30 metres with a minimum width of 5.5m and a minimum length of 6m.
PO 24.4 Residential driveways in a battle-axe configuration are designed to allow safe and convenient movement.	DTS/DPF 24.4 Where in a battle-axe configuration, a driveway servicing one dwelling has a minimum width of 3m.
PO 24.5 Residential driveways that service more than one dwelling are designed to allow passenger vehicles to enter and exit the site and manoeuvre within the site in a safe and convenient manner.	DTS/DPF 24.5 Driveways providing access to more than one dwelling, or a dwelling on a battle-axe site, allow a B85 passenger vehicle to enter and exit the garages or parking spaces in no more than a three-point turn manoeuvre.
PO 24.6 Dwellings are adequately separated from common driveways and manoeuvring areas.	DTS/DPF 24.6 Dwelling walls with entry doors or ground level habitable room windows are set back at least 1.5m from any driveway or area designated for the movement and manoeuvring of vehicles.
Soft Landscaping	
PO 25.1 Soft landscaping is provided between dwellings and common driveways to improve the outlook for occupants and appearance of common	DTS/DPF 25.1 Other than where located directly in front of a garage or a building entry, soft landscaping with a minimum dimension of 1m is provided

areas.	between a dwelling and common driveway.
PO 25.2 Soft landscaping is provided that improves the appearance of common driveways.	DTS/DPF 25.2 Where a common driveway is located directly adjacent the side or rear boundary of the site, soft landscaping with a minimum dimension of 1m is provided between the driveway and site boundary (excluding along the perimeter of a passing point).
Site Facilities / Waste Storage	
PO 26.1 Provision is made for suitable mailbox facilities close to the major pedestrian entry to the site or conveniently located considering the nature of accommodation and mobility of occupants.	DTS/DPF 26.1 None are applicable.
PO 26.2 Provision is made for suitable external clothes drying facilities.	DTS/DPF 26.2 None are applicable.
PO 26.3 Provision is made for suitable household waste and recyclable material storage facilities which are: (a) located away, or screened, from public view, and (b) conveniently located in proximity to dwellings and the waste collection point.	DTS/DPF 26.3 None are applicable.
PO 26.4 Waste and recyclable material storage areas are located away from dwellings.	DTS/DPF 26.4 Dedicated waste and recyclable material storage areas are located at least 3m from any habitable room window.
PO 26.5 Where waste bins cannot be conveniently collected from the street, provision is made for on-site waste collection, designed to accommodate the safe and convenient access, egress and movement of waste collection vehicles.	DTS/DPF 26.5 None are applicable.
PO 26.6 Services including gas and water meters are conveniently located and screened from public view.	DTS/DPF 26.6 None are applicable.
Supported accommodation and retirement facilities	
Siting and Configuration	
PO 27.1 Supported accommodation and housing for aged persons and people with disabilities is located where on-site movement of residents is not unduly restricted by the slope of the land.	DTS/DPF 27.1 None are applicable.
Movement and Access	
PO 28.1 Development is designed to support safe and convenient access and movement for residents by providing: (a) ground-level access or lifted access to all units (b) level entry porches, ramps, paths, driveways, passenger loading areas and areas adjacent to footpaths that allow for the passing of wheelchairs and resting places (c) car parks with gradients no steeper than 1-in-40 and of sufficient area to provide for wheelchair manoeuvrability (d) kerb ramps at pedestrian crossing points.	DTS/DPF 28.1 None are applicable.
Communal Open Space	
PO 29.1	DTS/DPF 29.1

Development is designed to provide attractive, convenient and comfortable indoor and outdoor communal areas to be used by residents and visitors.	None are applicable.
PO 29.2 Private open space provision may be substituted for communal open space which is designed and sited to meet the recreation and amenity needs of residents.	DTS/DPF 29.2 None are applicable.
PO 29.3 Communal open space is of sufficient size and dimensions to cater for group recreation.	DTS/DPF 29.3 Communal open space incorporates a minimum dimension of 5 metres.
PO 29.4 Communal open space is designed and sited to: (a) be conveniently accessed by the dwellings which it services (b) have regard to acoustic, safety, security and wind effects.	DTS/DPF 29.4 None are applicable.
PO 29.5 Communal open space contains landscaping and facilities that are functional, attractive and encourage recreational use.	DTS/DPF 29.5 None are applicable.
PO 29.6 Communal open space is designed and sited to: (a) in relation to rooftop or elevated gardens, minimise overlooking into habitable room windows or onto the useable private open space of other dwellings (b) in relation to ground floor communal space, be overlooked by habitable rooms to facilitate passive surveillance.	DTS/DPF 29.6 None are applicable.
Site Facilities / Waste Storage	
PO 30.1 Development is designed to provide storage areas for personal items and specialised equipment such as small electric powered vehicles, including facilities for the recharging of small electric powered vehicles.	DTS/DPF 30.1 None are applicable.
PO 30.2 Provision is made for suitable mailbox facilities close to the major pedestrian entry to the site or conveniently located considering the nature of accommodation and mobility of occupants.	DTS/DPF 30.2 None are applicable.
PO 30.3 Provision is made for suitable external clothes drying facilities.	DTS/DPF 30.3 None are applicable.
PO 30.4 Provision is made for suitable household waste and recyclable material storage facilities conveniently located and screened from public view.	DTS/DPF 30.4 None are applicable.
PO 30.5 Waste and recyclable material storage areas are located away from dwellings.	DTS/DPF 30.5 Dedicated waste and recyclable material storage areas are located at least 3m from any habitable room window.
PO 30.6 Provision is made for on-site waste collection where 10 or more bins are to be collected at any one time.	DTS/DPF 30.6 None are applicable.
PO 30.7 Services including gas and water meters are conveniently located and screened from public view.	DTS/DPF 30.7 None are applicable.

All non-residential development

Water Sensitive Design

PO 31.1 Development likely to result in significant risk of export of litter, oil or grease includes stormwater management systems designed to minimise pollutants entering stormwater.	DTS/DPF 31.1 None are applicable.
PO 31.2 Water discharged from a development site is of a physical, chemical and biological condition equivalent to or better than its pre-developed state.	DTS/DPF 31.2 None are applicable.

Wash-down and Waste Loading and Unloading

PO 32.1 Areas for activities including loading and unloading, storage of waste refuse bins in commercial and industrial development or wash-down areas used for the cleaning of vehicles, vessels, plant or equipment are: (a) designed to contain all wastewater likely to pollute stormwater within a bunded and roofed area to exclude the entry of external surface stormwater run-off (b) paved with an impervious material to facilitate wastewater collection (c) of sufficient size to prevent 'splash-out' or 'over-spray' of wastewater from the wash-down area (d) designed to drain wastewater to either: (i) a treatment device such as a sediment trap and coalescing plate oil separator with subsequent disposal to a sewer, private or Community Wastewater Management Scheme or (ii) a holding tank and its subsequent removal off-site on a regular basis.	DTS/DPF 32.1 None are applicable.

Decks

Design and Siting

PO 33.1 Decks are designed and sited to: (a) complement the associated building form (b) minimise impacts on the streetscape through siting behind the building line of the principal building (unless on a significant allotment or open space) (c) minimise cut and fill and overall massing when viewed from adjacent land.	DTS/DPF 33.1 Decks: (a) where ancillary to a dwelling: (i) are not constructed, added to or altered so that any part is situated: A. in front of any part of the building line of the dwelling to which it is ancillary or B. within 900mm of a boundary of the allotment with a secondary street (if the land has boundaries on two or more roads) (ii) are set back at least 900mm from side or rear allotment boundaries (iii) when attached to the dwelling, has a finished floor level consistent with the finished ground floor level of the dwelling (iv) where associated with a residential use, retains a total area of soft landscaping for the entire development site, including any common property, with a minimum dimension of 700mm in accordance with (A) or (B), whichever is less: A. a total area is determined by the following table: Site area (or in the case of residential flat building or | Minimum percentage of

	group dwelling(s), average site area) (m^2) | site <150 | 10% 150-200 | 15% >200-450 | 20% >450 | 25% B. the amount of existing soft landscaping prior to the development occurring. (b) where in association with a non-residential use: (i) are set back at least 2 metres from the boundary of an allotment used for residential purposes. (ii) are set back at least 2 metres from a public road. (iii) have a floor area not exceeding 25m^2 (c) in all cases, has a finished floor level not exceeding 1 metre above natural ground level at any point.
PO 33.2 Decks are designed and sited to minimise direct overlooking of habitable rooms and private open spaces of adjoining residential uses in neighbourhood-type zones through suitable floor levels, screening and siting taking into account the slope of the subject land, existing vegetation on the subject land, and fencing.	DTS/DPF 33.2 Decks with a finished floor level/s 500mm or more above natural ground level facing side or rear boundaries shared with a residential use in a neighbourhood-type zone incorporate screening with a maximum of 25% transparency/openings, permanently fixed to the outer edge of the deck not less than 1.5 m above the finished floor level/s.
PO 33.3 Decks used for outdoor dining, entertainment or other commercial uses provide carparking in accordance with the primary use of the deck.	DTS/DPF 33.3 Decks used for commercial purposes do not result in less on-site car parking for the primary use of the subject land than specified in Transport, Access and Parking Table 1 - General Off-Street Car Parking Requirements or Table 2 - Off-Street Car Parking Requirements in Designated Areas.

Table 1 - Private Open Space

Dwelling Type	Minimum Rate
Dwelling (at ground level)	Total private open space area: (a) Site area <301m^2: 24m^2 located behind the building line. (b) Site area ≥ 301m^2: 60m^2 located behind the building line. Minimum directly accessible from a living room: 16m^2 / with a minimum dimension 3m.
Dwelling (above ground level)	Studio (no separate bedroom): 4m^2 with a minimum dimension 1.8m One bedroom: 8m^2 with a minimum dimension 2.1m Two bedroom dwelling: 11m^2 with a minimum dimension 2.4m Three + bedroom dwelling: 15m^2 with a minimum dimension 2.6m
Cabin or caravan (permanently fixed to the ground) in a residential park or a caravan and tourist park	Total area: 16m^2, which may be used as second car parking space, provided on each site intended for residential occupation.

Design in Urban Areas

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Development is: (a) contextual - by considering, recognising and carefully responding to its natural surroundings or built environment and positively contributing to the character of the locality (b) durable - fit for purpose, adaptable and long lasting (c) inclusive - by integrating landscape design to optimise pedestrian and cyclist usability, privacy and equitable access and promoting the provision of quality spaces integrated with the public realm that can be used for access and recreation and help optimise security and safety both internally and within the public realm, for occupants and visitors (d) sustainable - by integrating sustainable techniques into the design and siting of development and landscaping to improve community health, urban heat, water management, environmental performance, biodiversity and local amenity and to minimise energy consumption.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
All Development	
External Appearance	
PO 1.1 Buildings reinforce corners through changes in setback, articulation, materials, colour and massing (including height, width, bulk, roof form and slope).	DTS/DPF 1.1 None are applicable.
PO 1.2 Where zero or minor setbacks are desirable, development provides shelter over footpaths (in the form of verandahs, awnings, canopies and the like, with adequate lighting) to positively contribute to the walkability, comfort and safety of the public realm.	DTS/DPF 1.2 None are applicable.
PO 1.3 Building elevations facing the primary street (other than ancillary buildings) are designed and detailed to convey purpose, identify main access points and complement the streetscape.	DTS/DPF 1.3 None are applicable.
PO 1.4 Plant, exhaust and intake vents and other technical equipment are integrated into the building design to minimise visibility from the public realm and negative impacts on residential amenity by: (a) positioning plant and equipment discretely, in unobtrusive locations as viewed from public roads and spaces (b) screening rooftop plant and equipment from view (c) when located on the roof of non-residential development, locating the plant and equipment as far as practicable from adjacent sensitive land uses.	DTS/DPF 1.4 Development does not incorporate any structures that protrude beyond the roofline.
PO 1.5 The negative visual impact of outdoor storage, waste management,	DTS/DPF 1.5 None are applicable.

loading and service areas is minimised by integrating them into the building design and screening them from public view (such as fencing, landscaping and built form), taking into account the form of development contemplated in the relevant zone.	
Safety	
PO 2.1 Development maximises opportunities for passive surveillance of the public realm by providing clear lines of sight, appropriate lighting and the use of visually permeable screening wherever practicable.	DTS/DPF 2.1 None are applicable.
PO 2.2 Development is designed to differentiate public, communal and private areas.	DTS/DPF 2.2 None are applicable.
PO 2.3 Buildings are designed with safe, perceptible and direct access from public street frontages and vehicle parking areas.	DTS/DPF 2.3 None are applicable.
PO 2.4 Development at street level is designed to maximise opportunities for passive surveillance of the adjacent public realm.	DTS/DPF 2.4 None are applicable.
PO 2.5 Common areas and entry points of buildings (such as the foyer areas of residential buildings) and non-residential land uses at street level, maximise passive surveillance from the public realm to the inside of the building at night.	DTS/DPF 2.5 None are applicable.
Landscaping	
PO 3.1 Soft landscaping and tree planting are incorporated to: (a) minimise heat absorption and reflection (b) maximise shade and shelter (c) maximise stormwater infiltration (d) enhance the appearance of land and streetscapes.	DTS/DPF 3.1 None are applicable.
Environmental Performance	
PO 4.1 Buildings are sited, oriented and designed to maximise natural sunlight access and ventilation to main activity areas, habitable rooms, common areas and open spaces.	DTS/DPF 4.1 None are applicable.
PO 4.2 Buildings are sited and designed to maximise passive environmental performance and minimise energy consumption and reliance on mechanical systems, such as heating and cooling.	DTS/DPF 4.2 None are applicable.
PO 4.3 Buildings incorporate climate responsive techniques and features such as building and window orientation, use of eaves, verandahs and shading structures, water harvesting, at ground landscaping, green walls, green roofs and photovoltaic cells.	DTS/DPF 4.3 None are applicable.
Water Sensitive Design	
PO 5.1 Development is sited and designed to maintain natural hydrological systems without negatively impacting: (a) the quantity and quality of surface water and groundwater	DTS/DPF 5.1 None are applicable.

(b) the depth and directional flow of surface water and groundwater (c) the quality and function of natural springs.	
On-site Waste Treatment Systems	
PO 6.1 Dedicated on-site effluent disposal areas do not include any areas to be used for, or could be reasonably foreseen to be used for, private open space, driveways or car parking.	DTS/DPF 6.1 Effluent disposal drainage areas do not: (a) encroach within an area used as private open space or result in less private open space than that specified in Design in Urban Areas Table 1 - Private Open Space (b) use an area also used as a driveway (c) encroach within an area used for on-site car parking or result in less on-site car parking than that specified in Transport, Access and Parking Table 1 - General Off-Street Car Parking Requirements or Table 2 - Off-Street Car Parking Requirements in Designated Areas.
Car parking appearance	
PO 7.1 Development facing the street is designed to minimise the negative impacts of any semi-basement and undercroft car parking on streetscapes through techniques such as: (a) limiting protrusion above finished ground level (b) screening through appropriate planting, fencing and mounding (c) limiting the width of openings and integrating them into the building structure.	DTS/DPF 7.1 None are applicable.
PO 7.2 Vehicle parking areas appropriately located, designed and constructed to minimise impacts on adjacent sensitive receivers through measures such as ensuring they are attractively developed and landscaped, screen fenced and the like.	DTS/DPF 7.2 None are applicable.
PO 7.3 Safe, legible, direct and accessible pedestrian connections are provided between parking areas and the development.	DTS/DPF 7.3 None are applicable.
PO 7.4 Street-level vehicle parking areas incorporate tree planting to provide shade, reduce solar heat absorption and reflection.	DTS/DPF 7.4 Vehicle parking areas that are open to the sky and comprise 10 or more car parking spaces include a shade tree with a mature canopy of 4m diameter spaced for each 10 car parking spaces provided and a landscaped strip on any road frontage of a minimum dimension of 1m.
PO 7.5 Street level parking areas incorporate soft landscaping to improve visual appearance when viewed from within the site and from public places.	DTS/DPF 7.5 Vehicle parking areas comprising 10 or more car parking spaces include soft landscaping with a minimum dimension of: (a) 1m along all public road frontages and allotment boundaries (b) 1m between double rows of car parking spaces.
PO 7.6 Vehicle parking areas and associated driveways are landscaped to provide shade and positively contribute to amenity.	DTS/DPF 7.6 None are applicable.
PO 7.7 Vehicle parking areas and access ways incorporate integrated stormwater management techniques such as permeable or porous surfaces, infiltration systems, drainage swales or rain gardens that integrate with soft landscaping.	DTS/DPF 7.7 None are applicable.
Earthworks and sloping land	
PO 8.1	DTS/DPF 8.1

Development, including any associated driveways and access tracks, minimises the need for earthworks to limit disturbance to natural topography.	Development does not involve any of the following: (a) excavation exceeding a vertical height of 1m (b) filling exceeding a vertical height of 1m (c) a total combined excavation and filling vertical height of 2m or more.
PO 8.2 Driveways and access tracks designed and constructed to allow safe and convenient access on sloping land.	DTS/DPF 8.2 Driveways and access tracks on sloping land (with a gradient exceeding 1 in 8) satisfy (a) and (b): (a) do not have a gradient exceeding 25% (1-in-4) at any point along the driveway (b) are constructed with an all-weather trafficable surface.
PO 8.3 Driveways and access tracks on sloping land (with a gradient exceeding 1 in 8): (a) do not contribute to the instability of embankments and cuttings (b) provide level transition areas for the safe movement of people and goods to and from the development (c) are designed to integrate with the natural topography of the land.	DTS/DPF 8.3 None are applicable.
PO 8.4 Development on sloping land (with a gradient exceeding 1 in 8) avoids the alteration of natural drainage lines and includes on site drainage systems to minimise erosion.	DTS/DPF 8.4 None are applicable.
PO 8.5 Development does not occur on land at risk of landslip or increase the potential for landslip or land surface instability.	DTS/DPF 8.5 None are applicable.
Fences and walls	
PO 9.1 Fences, walls and retaining walls of sufficient height maintain privacy and security without unreasonably impacting visual amenity and adjoining land's access to sunlight or the amenity of public places.	DTS/DPF 9.1 None are applicable.
PO 9.2 Landscaping is incorporated on the low side of retaining walls that are visible from public roads and public open space to minimise visual impacts.	DTS/DPF 9.2 A vegetated landscaped strip 1m wide or more is provided against the low side of a retaining wall.
Overlooking / Visual Privacy (low rise buildings)	
PO 10.1 Development mitigates direct overlooking from upper level windows to habitable rooms and private open spaces of adjoining residential uses in neighbourhood-type zones.	DTS/DPF 10.1 Upper level windows facing side or rear boundaries shared with a residential use in a neighbourhood-type zone: (a) are permanently obscured to a height of 1.5m above finished floor level and are fixed or not capable of being opened more than 125mm (b) have sill heights greater than or equal to 1.5m above finished floor level (c) incorporate screening with a maximum of 25% openings, permanently fixed no more than 500mm from the window surface and sited adjacent to any part of the window less than 1.5 m above the finished floor level.
PO 10.2	DTS/DPF 10.2

Development mitigates direct overlooking from balconies to habitable rooms and private open space of adjoining residential uses in neighbourhood type zones.	One of the following is satisfied: (a) the longest side of the balcony or terrace will face a public road, public road reserve or public reserve that is at least 15m wide in all places faced by the balcony or terrace or (b) all sides of balconies or terraces on upper building levels are permanently obscured by screening with a maximum 25% transparency/openings fixed to a minimum height of: (i) 1.5m above finished floor level where the balcony is located at least 15 metres from the nearest habitable window of a dwelling on adjacent land or (ii) 1.7m above finished floor level in all other cases
Site Facilities / Waste Storage (excluding low rise residential development)	
PO 11.1 Development provides a dedicated area for on-site collection and sorting of recyclable materials and refuse, green organic waste and wash bay facilities for the ongoing maintenance of bins that is adequate in size considering the number and nature of the activities they will serve and the frequency of collection.	DTS/DPF 11.1 None are applicable.
PO 11.2 Communal waste storage and collection areas are located, enclosed and designed to be screened from view from the public domain, open space and dwellings.	DTS/DPF 11.2 None are applicable.
PO 11.3 Communal waste storage and collection areas are designed to be well ventilated and located away from habitable rooms.	DTS/DPF 11.3 None are applicable.
PO 11.4 Communal waste storage and collection areas are designed to allow waste and recycling collection vehicles to enter and leave the site without reversing.	DTS/DPF 11.4 None are applicable.
PO 11.5 For mixed use developments, non-residential waste and recycling storage areas and access provide opportunities for on-site management of food waste through composting or other waste recovery as appropriate.	DTS/DPF 11.5 None are applicable.
All Development - Medium and High Rise	
External Appearance	
PO 12.1 Buildings positively contribute to the character of the local area by responding to local context.	DTS/DPF 12.1 None are applicable.
PO 12.2 Architectural detail at street level and a mixture of materials at lower building levels near the public interface are provided to reinforce a human scale.	DTS/DPF 12.2 None are applicable.
PO 12.3 Buildings are designed to reduce visual mass by breaking up building elevations into distinct elements.	DTS/DPF 12.3 None are applicable.
PO 12.4 Boundary walls visible from public land include visually interesting treatments to break up large blank elevations.	DTS/DPF 12.4 None are applicable.
PO 12.5 External materials and finishes are durable and age well to minimise ongoing maintenance requirements.	DTS/DPF 12.5 Buildings utilise a combination of the following external materials and finishes: (a) masonry (b) natural stone

	(c) pre-finished materials that minimise staining, discolouring or deterioration.
PO 12.6 Street-facing building elevations are designed to provide attractive, high quality and pedestrian-friendly street frontages.	DTS/DPF 12.6 Building street frontages incorporate: (a) active uses such as shops or offices (b) prominent entry areas for multi-storey buildings (where it is a common entry) (c) habitable rooms of dwellings (d) areas of communal public realm with public art or the like, where consistent with the zone and/or subzone provisions.
PO 12.7 Entrances to multi-storey buildings are safe, attractive, welcoming, functional and contribute to streetscape character.	DTS/DPF 12.7 Entrances to multi-storey buildings are: (a) oriented towards the street (b) clearly visible and easily identifiable from the street and vehicle parking areas (c) designed to be prominent, accentuated and a welcoming feature if there are no active or occupied ground floor uses (d) designed to provide shelter, a sense of personal address and transitional space around the entry (e) located as close as practicable to the lift and / or lobby access to minimise the need for long access corridors (f) designed to avoid the creation of potential areas of entrapment.
PO 12.8 Building services, plant and mechanical equipment are screened from the public realm.	DTS/DPF 12.8 None are applicable.
Landscaping	
PO 13.1 Development facing a street provides a well landscaped area that contains a deep soil space to accommodate a tree of a species and size adequate to provide shade, contribute to tree canopy targets and soften the appearance of buildings.	DTS/DPF 13.1 Buildings provide a 4m by 4m deep soil space in front of the building that accommodates a medium to large tree, except where no building setback from front property boundaries is desired.
PO 13.2 Deep soil zones are provided to retain existing vegetation or provide areas that can accommodate new deep root vegetation, including tall trees with large canopies to provide shade and soften the appearance of multi-storey buildings.	DTS/DPF 13.2 Multi-storey development provides deep soil zones and incorporates trees at not less than the following rates, except in a location or zone where full site coverage is desired.

Site area	Minimum deep soil area	Minimum dimension	Tree / deep soil zones
<300 m^2	10 m^2	1.5m	1 small tree / 10 m^2
300-1500 m^2	7% site area	3m	1 medium tree / 30 m^2
>1500 m^2	7% site area	6m	1 large or medium tree / 60 m^2

Tree size and site area definitions	
Small tree	4-6m mature height and 2-4m canopy spread
Medium tree	6-12m mature height and 4-8m canopy spread
Large tree	12m mature height and >8m canopy spread

	Site area: The total area for development site, not average area per dwelling

PO 13.3 Deep soil zones with access to natural light are provided to assist in maintaining vegetation health.	DTS/DPF 13.3 None are applicable.
PO 13.4 Unless separated by a public road or reserve, development sites adjacent to any zone that has a primary purpose of accommodating low-rise residential development incorporate a deep soil zone along the common boundary to enable medium to large trees to be retained or established to assist in screening new buildings of 3 or more building levels in height.	DTS/DPF 13.4 Building elements of 3 or more building levels in height are set back at least 6m from a zone boundary in which a deep soil zone area is incorporated.
Environmental	
PO 14.1 Development minimises detrimental micro-climatic impacts on adjacent land and buildings.	DTS/DPF 14.1 None are applicable.
PO 14.2 Development incorporates sustainable design techniques and features such as window orientation, eaves and shading structures, water harvesting and use, green walls and roof designs that enable the provision of rain water tanks (where they are not provided elsewhere on site), green roofs and photovoltaic cells.	DTS/DPF 14.2 None are applicable.
PO 14.3 Development of 5 or more building levels, or 21m or more in height (as measured from natural ground level and excluding roof-mounted mechanical plant and equipment) is designed to minimise the impacts of wind through measures such as: (a) a podium at the base of a tall tower and aligned with the street to deflect wind away from the street (b) substantial verandahs around a building to deflect downward travelling wind flows over pedestrian areas (c) the placement of buildings and use of setbacks to deflect the wind at ground level (d) avoiding tall shear elevations that create windy conditions at street level.	DTS/DPF 14.3 None are applicable.
Car Parking	
PO 15.1 Multi-level vehicle parking structures are designed to contribute to active street frontages and complement neighbouring buildings.	DTS/DPF 15.1 Multi-level vehicle parking structures within buildings: (a) provide land uses such as commercial, retail or other non-car parking uses along ground floor street frontages (b) incorporate facade treatments in building elevations facing along major street frontages that are sufficiently enclosed and detailed to complement adjacent buildings.
PO 15.2 Multi-level vehicle parking structures within buildings complement the surrounding built form in terms of height, massing and scale.	DTS/DPF 15.2 None are applicable.
Overlooking/Visual Privacy	
PO 16.1 Development mitigates direct overlooking of habitable rooms and private open spaces of adjacent residential uses in neighbourhood-type zones through measures such as:	DTS/DPF 16.1 None are applicable.

(a) appropriate site layout and building orientation (b) off-setting the location of balconies and windows of habitable rooms or areas with those of other buildings so that views are oblique rather than direct to avoid direct line of sight (c) building setbacks from boundaries (including building boundary to boundary where appropriate) that interrupt views or that provide a spatial separation between balconies or windows of habitable rooms (d) screening devices that are integrated into the building design and have minimal negative effect on residents' or neighbours' amenity.	
All residential development	
Front elevations and passive surveillance	
PO 17.1 Dwellings incorporate windows facing primary street frontages to encourage passive surveillance and make a positive contribution to the streetscape.	DTS/DPF 17.1 Each dwelling with a frontage to a public street: (a) includes at least one window facing the primary street from a habitable room that has a minimum internal room dimension of 2.4m (b) has an aggregate window area of at least $2m^2$ facing the primary street.
PO 17.2 Dwellings incorporate entry doors within street frontages to address the street and provide a legible entry point for visitors.	DTS/DPF 17.2 Dwellings with a frontage to a public street have an entry door visible from the primary street boundary.
Outlook and Amenity	
PO 18.1 Living rooms have an external outlook to provide a high standard of amenity for occupants.	DTS/DPF 18.1 A living room of a dwelling incorporates a window with an external outlook of the street frontage, private open space, public open space, or waterfront areas.
PO 18.2 Bedrooms are separated or shielded from active communal recreation areas, common access areas and vehicle parking areas and access ways to mitigate noise and artificial light intrusion.	DTS/DPF 18.2 None are applicable.
Ancillary Development	
PO 19.1 Residential ancillary buildings are sited and designed to not detract from the streetscape or appearance of primary residential buildings on the site or neighbouring properties.	DTS/DPF 19.1 Ancillary buildings: (a) are ancillary to a dwelling erected on the same site (b) have a floor area not exceeding 60m2 (c) are not constructed, added to or altered so that any part is situated: (i) in front of any part of the building line of the dwelling to which it is ancillary or (ii) within 900mm of a boundary of the allotment with a secondary street (if the land has boundaries on two or more roads) (d) in the case of a garage or carport, the garage or carport: (i) is set back at least 5.5m from the boundary of the primary street (ii) when facing a primary street or secondary street, has a total door / opening not exceeding: A. for dwellings of single building level - 7m in width or 50% of the site frontage, whichever is the lesser B. for dwellings comprising two or more building levels at the building line fronting the same public street - 7m in width

(e) if situated on a boundary (not being a boundary with a primary street or secondary street), do not exceed a length of 11.5m unless:
  (i) a longer wall or structure exists on the adjacent site and is situated on the same allotment boundary
  and
  (ii) the proposed wall or structure will be built along the same length of boundary as the existing adjacent wall or structure to the same or lesser extent

(f) if situated on a boundary of the allotment (not being a boundary with a primary street or secondary street), all walls or structures on the boundary will not exceed 45% of the length of that boundary

(g) will not be located within 3m of any other wall along the same boundary unless on an adjacent site on that boundary there is an existing wall of a building that would be adjacent to or about the proposed wall or structure

(h) have a wall height or post height not exceeding 3m above natural ground level (and not including a gable end)

(i) have a roof height where no part of the roof is more than 5m above the natural ground level

(j) if clad in sheet metal, is pre-colour treated or painted in a non-reflective colour

(k) retains a total area of soft landscaping in accordance with (i) or (ii), whichever is less:
  (i) a total area as determined by the following table:

Dwelling site area (or in the case of residential flat building or group dwelling(s), average site area) (m^2)	Minimum percentage of site
<150	10%
150-200	15%
201-450	20%
>450	25%

  (ii) the amount of existing soft landscaping prior to the development occurring.

(l) in relation to ancillary accommodation in the Rural Zone, Productive Rural Landscape Zone, or Rural Horticulture Zone, is located within 20m of an existing dwelling.

PO 19.2

Ancillary buildings and structures do not impede on-site functional requirements such as private open space provision, car parking requirements or result in over-development of the site.

DTS/DPF 19.2

Ancillary buildings and structures do not result in:

(a) less private open space than specified in Design in Urban Areas Table 1 - Private Open Space

(b) less on-site car parking than specified in Transport, Access and Parking Table 1 - General Off-Street Car Parking Requirements or Table 2 - Off-Street Car Parking Requirements in Designated Areas.

PO 19.3

Fixed plant and equipment in the form of pumps and/or filtration systems for a swimming pool or spa positioned and/or housed to not cause unreasonable noise nuisance to adjacent sensitive receivers.

DTS/DPF 19.3

The pump and/or filtration system is ancillary to a dwelling erected on the same site and is:

(a) enclosed in a solid acoustic structure that is located at least 5m from the nearest habitable room located on an adjoining allotment
or

(b) located at least 12m from the nearest habitable room located on an adjoining allotment.

PO 19.4

Buildings and structures that are ancillary to an existing non-residential use do not detract from the streetscape character, appearance of buildings on the site of the development, or the amenity of neighbouring properties.

DTS/DPF 19.4

Non-residential ancillary buildings and structures:

(a) are ancillary and subordinate to an existing non-residential use on the same site

(b) have a floor area not exceeding the following:

Allotment size	Floor area
≤500m2	60m2
>500m2	80m2

(c) are not constructed, added to or altered so that any part is situated:

(i) in front of any part of the building line of the main building to which it is ancillary

or

(ii) within 900mm of a boundary of the allotment with a secondary street (if the land has boundaries on two or more roads)

(d) in the case of a garage or carport, the garage or carport:

(i) is set back at least 5.5m from the boundary of the primary street

(e) if situated on a boundary (not being a boundary with a primary street or secondary street), do not exceed a length of 11.5m unless:

(i) a longer wall or structure exists on the adjacent site and is situated on the same allotment boundary

(ii) the proposed wall or structure will be built along the same length of boundary as the existing adjacent wall or structure to the same or lesser extent

(f) if situated on a boundary of the allotment (not being a boundary with a primary street or secondary street), all walls or structures on the boundary will not exceed 45% of the length of that boundary

(g) will not be located within 3m of any other wall along the same boundary unless on an adjacent site on that boundary there is an existing wall of a building that would be adjacent to or about the proposed wall or structure

(h) have a wall height (or post height) not exceeding 3m (and not including a gable end)

(i) have a roof height where no part of the roof is more than 5m above the natural ground level

(j) if clad in sheet metal, is pre-colour treated or painted in a non-reflective colour.

Residential Development - Low Rise

External appearance

PO 20.1

Garaging is designed to not detract from the streetscape or appearance of a dwelling.

DTS/DPF 20.1

Garages and carports facing a street:

(a) are situated so that no part of the garage or carport will be in front of any part of the building line of the dwelling

(b) are set back at least 5.5m from the boundary of the primary street

(c) have a garage door / opening width not exceeding 7m

(d) have a garage door / opening width not exceeding 50% of the site frontage unless the dwelling has two or more building levels at the building line fronting the same public street.

PO 20.2

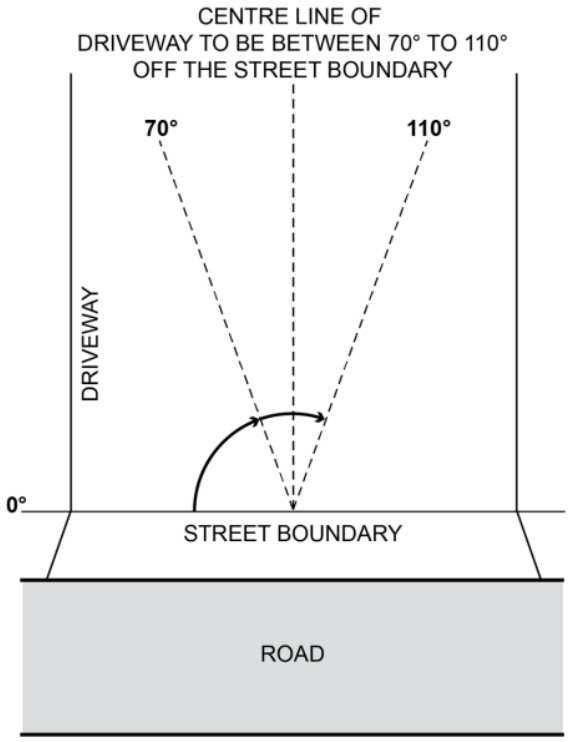
Dwelling elevations facing public streets and common driveways make a positive contribution to the streetscape and the appearance of common driveway areas.

DTS/DPF 20.2

Each dwelling includes at least 3 of the following design features within the building elevation facing a primary street, and at least 2 of the following design features within the building elevation facing any other public road (other than a laneway) or a common driveway:

	(a) a minimum of 30% of the building wall is set back an additional 300mm from the building line (b) a porch or portico projects at least 1m from the building wall (c) a balcony projects from the building wall (d) a verandah projects at least 1m from the building wall (e) eaves of a minimum 400mm width extend along the width of the front elevation (f) a minimum 30% of the width of the upper level projects forward from the lower level primary building line by at least 300mm (g) a minimum of two different materials or finishes are incorporated on the walls of the front building elevation, with a maximum of 80% of the building elevation in a single material or finish.
PO 20.3 The visual mass of larger buildings is reduced when viewed from adjoining allotments or public streets.	DTS/DPF 20.3 None are applicable
Private Open Space	
PO 21.1 Dwellings are provided with suitable sized areas of usable private open space to meet the needs of occupants.	DTS/DPF 21.1 Private open space is provided in accordance with Design in Urban Areas Table 1 - Private Open Space.
PO 21.2 Private open space is positioned to provide convenient access from internal living areas.	DTS/DPF 21.2 Private open space is directly accessible from a habitable room.
Landscaping	
PO 22.1 Soft landscaping is incorporated into development to: (a) minimise heat absorption and reflection (b) contribute shade and shelter (c) provide for stormwater infiltration and biodiversity (d) enhance the appearance of land and streetscapes.	DTS/DPF 22.1 Residential development incorporates soft landscaping with a minimum dimension of 700mm provided in accordance with (a) and (b): (a) a total area for the entire development site, including any common property, as determined by the following table: **Site area (or in the case of residential flat building or group dwelling(s), average site area) (m^2) / Minimum percentage of site** <150 / 10% 150-200 / 15% >200-450 / 20% >450 / 25% (b) at least 30% of any land between the primary street boundary and the primary building line.
Car parking, access and manoeuvrability	
PO 23.1 Enclosed car parking spaces are of dimensions to be functional, accessible and convenient.	DTS/DPF 23.1 Residential car parking spaces enclosed by fencing, walls or other structures have the following internal dimensions (separate from any waste storage area):

	(a) single width car parking spaces: (i) a minimum length of 5.4m per space (ii) a minimum width of 3.0m (iii) a minimum garage door width of 2.4m (b) double width car parking spaces (side by side): (i) a minimum length of 5.4m (ii) a minimum width of 5.4m (iii) minimum garage door width of 2.4m per space.
PO 23.2 Uncovered car parking space are of dimensions to be functional, accessible and convenient.	DTS/DPF 23.2 Uncovered car parking spaces have: (a) a minimum length of 5.4m (b) a minimum width of 2.4m (c) a minimum width between the centre line of the space and any fence, wall or other obstruction of 1.5m.
PO 23.3 Driveways and access points are located and designed to facilitate safe access and egress while maximising land available for street tree planting, pedestrian movement, domestic waste collection, landscaped street frontages and on-street parking.	DTS/DPF 23.3 Driveways and access points satisfy (a) or (b): (a) sites with a frontage to a public road of 10m or less, have a width between 3.0 and 3.2 metres measured at the property boundary and are the only access point provided on the site (b) sites with a frontage to a public road greater than 10m: (i) have a maximum width of 5m measured at the property boundary and are the only access point provided on the site; (ii) have a width between 3.0 metres and 3.2 metres measured at the property boundary and no more than two access points are provided on site, separated by no less than 1m.
PO 23.4 Vehicle access is safe, convenient, minimises interruption to the operation of public roads and does not interfere with street infrastructure or street trees.	DTS/DPF 23.4 Vehicle access to designated car parking spaces satisfy (a) or (b): (a) is provided via a lawfully existing or authorised access point or an access point for which consent has been granted as part of an application for the division of land (b) where newly proposed, is set back: (i) 0.5m or more from any street furniture, street pole, infrastructure services pit, or other stormwater or utility infrastructure unless consent is provided from the asset owner (ii) 2m or more from the base of the trunk of a street tree unless consent is provided from the tree owner for a lesser distance (iii) 6m or more from the tangent point of an intersection of 2 or more roads (iv) outside of the marked lines or infrastructure dedicating a pedestrian crossing.
PO 23.5 Driveways are designed to enable safe and convenient vehicle movements from the public road to on-site parking spaces.	DTS/DPF 23.5 Driveways are designed and sited so that: (a) the gradient of the driveway does not exceed a grade of 1 in 4 and includes transitions to ensure a maximum grade change of 12.5% (1 in 8) for summit changes, and 15% (1 in 6.7) for sag changes, in accordance with AS 2890.1:2004 to prevent vehicles bottoming or scraping

	(b) the centreline of the driveway has an angle of no less than 70 degrees and no more than 110 degrees from the street boundary to which it takes its access as shown in the following diagram:  (c) if located to provide access from an alley, lane or right of way - the alley, land or right or way is at least 6.2m wide along the boundary of the allotment / site.
PO 23.6 Driveways and access points are designed and distributed to optimise the provision of on-street visitor parking.	DTS/DPF 23.6 Where on-street parking is available abutting the site's street frontage, on-street parking is retained in accordance with the following requirements: (a) minimum 0.33 on-street spaces per dwelling on the site (rounded up to the nearest whole number) (b) minimum car park length of 5.4m where a vehicle can enter or exit a space directly (c) minimum carpark length of 6m for an intermediate space located between two other parking spaces or to an end obstruction where the parking is indented.
Waste storage	
PO 24.1 Provision is made for the convenient storage of waste bins in a location screened from public view.	DTS/DPF 24.1 Where dwellings abut both side boundaries a waste bin storage area is provided behind the building line of each dwelling that: (a) has a minimum area of $2m^2$ with a minimum dimension of 900mm (separate from any designated car parking spaces or private open space); and (b) has a continuous unobstructed path of travel (excluding moveable objects like gates, vehicles and roller doors) with a minimum width of 800mm between the waste bin storage area and the street.
Design of Transportable Buildings	
PO 25.1 The sub-floor space beneath transportable buildings is enclosed to give the appearance of a permanent structure.	DTS/DPF 25.1 Buildings satisfy (a) or (b): (a) are not transportable

	(b) the sub-floor space between the building and ground level is clad in a material and finish consistent with the building.
Residential Development - Medium and High Rise (including serviced apartments)	
Outlook and Visual Privacy	
PO 26.1 Ground level dwellings have a satisfactory short range visual outlook to public, communal or private open space.	DTS/DPF 26.1 Buildings: (a) provide a habitable room at ground or first level with a window facing toward the street (b) limit the height / extent of solid walls or fences facing the street to 1.2m high above the footpath level or, where higher, to 50% of the site frontage.
PO 26.2 The visual privacy of ground level dwellings within multi-level buildings is protected.	DTS/DPF 26.2 The finished floor level of ground level dwellings in multi-storey developments is raised by up to 1.2m.
Private Open Space	
PO 27.1 Dwellings are provided with suitable sized areas of usable private open space to meet the needs of occupants.	DTS/DPF 27.1 Private open space provided in accordance with Design in Urban Areas Table 1 - Private Open Space.
Residential amenity in multi-level buildings	
PO 28.1 Residential accommodation within multi-level buildings have habitable rooms, windows and balconies designed and positioned to be separated from those of other dwellings and accommodation to provide visual and acoustic privacy and allow for natural ventilation and the infiltration of daylight into interior and outdoor spaces.	DTS/DPF 28.1 Habitable rooms and balconies of independent dwellings and accommodation are separated by at least 6m from one another where there is a direct line of sight between them and 3m or more from a side or rear property boundary.
PO 28.2 Balconies are designed, positioned and integrated into the overall architectural form and detail of the development to: (a) respond to daylight, wind, and acoustic conditions to maximise comfort and provide visual privacy (b) allow views and casual surveillance of the street while providing for safety and visual privacy of nearby living spaces and private outdoor areas.	DTS/DPF 28.2 Balconies utilise one or a combination of the following design elements: (a) sun screens (b) pergolas (c) louvres (d) green facades (e) openable walls.
PO 28.3 Balconies are of sufficient size and depth to accommodate outdoor seating and promote indoor / outdoor living.	DTS/DPF 28.3 Balconies open directly from a habitable room and incorporate a minimum dimension of 2m.
PO 28.4 Dwellings are provided with sufficient space for storage to meet likely occupant needs.	DTS/DPF 28.4 Dwellings (not including student accommodation or serviced apartments) are provided with storage at the following rates with at least 50% or more of the storage volume to be provided within the dwelling: (a) studio: not less than $6m^3$ (b) 1 bedroom dwelling / apartment: not less than $8m^3$ (c) 2 bedroom dwelling / apartment: not less than $10m^3$ (d) 3+ bedroom dwelling / apartment: not less than $12m^3$.
PO 28.5 Dwellings that use light wells for access to daylight, outlook and ventilation for habitable rooms, are designed to ensure a reasonable living amenity is provided.	DTS/DPF 28.5 Light wells: (a) are not used as the primary source of outlook for living rooms

	(b) up to 18m in height have a minimum horizontal dimension of 3m, or 6m if overlooked by bedrooms (c) above 18m in height have a minimum horizontal dimension of 6m, or 9m if overlooked by bedrooms.
PO 28.6 Attached or abutting dwellings are designed to minimise the transmission of sound between dwellings and, in particular, to protect bedrooms from possible noise intrusions.	DTS/DPF 28.6 None are applicable.
PO 28.7 Dwellings are designed so that internal structural columns correspond with the position of internal walls to ensure that the space within the dwelling/apartment is useable.	DTS/DPF 28.7 None are applicable.
Dwelling Configuration	
PO 29.1 Buildings containing in excess of 10 dwellings provide a variety of dwelling sizes and a range in the number of bedrooms per dwelling to contribute to housing diversity.	DTS/DPF 29.1 Buildings containing in excess of 10 dwellings provide at least one of each of the following: (a) studio (where there is no separate bedroom) (b) 1 bedroom dwelling / apartment with a floor area of at least $50m^2$ (c) 2 bedroom dwelling / apartment with a floor area of at least $65m^2$ (d) 3+ bedroom dwelling / apartment with a floor area of at least $80m^2$, and any dwelling over 3 bedrooms provides an additional $15m^2$ for every additional bedroom.
PO 29.2 Dwellings located on the ground floor of multi-level buildings with 3 or more bedrooms have the windows of their habitable rooms overlooking internal courtyard space or other public space, where possible.	DTS/DPF 29.2 None are applicable.
Common Areas	
PO 30.1 The size of lifts, lobbies and corridors is sufficient to accommodate movement of bicycles, strollers, mobility aids and visitor waiting areas.	DTS/DPF 30.1 Common corridor or circulation areas: (a) have a minimum ceiling height of 2.7m (b) provide access to no more than 8 dwellings (c) incorporate a wider section at apartment entries where the corridors exceed 12m in length from a core.
Group Dwellings, Residential Flat Buildings and Battle axe Development	
Amenity	
PO 31.1 Dwellings are of a suitable size to provide a high standard of amenity for occupants.	DTS/DPF 31.1 Dwellings have a minimum internal floor area in accordance with the following table:

Number of bedrooms	Minimum internal floor area
Studio	$35m^2$
1 bedroom	$50m^2$
2 bedroom	$65m^2$
3+ bedrooms	$80m^2$ and any dwelling over 3 bedrooms provides an additional $15m^2$ for every additional bedroom

PO 31.2 The orientation and siting of buildings minimises impacts on the amenity, outlook and privacy of occupants and neighbours.	DTS/DPF 31.2 None are applicable.
PO 31.3 Development maximises the number of dwellings that face public open space and public streets and limits dwellings oriented towards adjoining properties.	DTS/DPF 31.3 None are applicable.
PO 31.4 Battle-axe development is appropriately sited and designed to respond to the existing neighbourhood context.	DTS/DPF 31.4 Dwelling sites/allotments are not in the form of a battle-axe arrangement.
Communal Open Space	
PO 32.1 Private open space provision may be substituted for communal open space which is designed and sited to meet the recreation and amenity needs of residents.	DTS/DPF 32.1 None are applicable.
PO 32.2 Communal open space is of sufficient size and dimensions to cater for group recreation.	DTS/DPF 32.2 Communal open space incorporates a minimum dimension of 5 metres.
PO 32.3 Communal open space is designed and sited to: (a) be conveniently accessed by the dwellings which it services (b) have regard to acoustic, safety, security and wind effects.	DTS/DPF 32.3 None are applicable.
PO 32.4 Communal open space contains landscaping and facilities that are functional, attractive and encourage recreational use.	DTS/DPF 32.4 None are applicable.
PO 32.5 Communal open space is designed and sited to: (a) in relation to rooftop or elevated gardens, minimise overlooking into habitable room windows or onto the useable private open space of other dwellings (b) in relation to ground floor communal space, be overlooked by habitable rooms to facilitate passive surveillance.	DTS/DPF 32.5 None are applicable.
Car parking, access and manoeuvrability	
PO 33.1 Driveways and access points are designed and distributed to optimise the provision of on-street visitor parking.	DTS/DPF 33.1 Where on-street parking is available directly adjacent the site, on-street parking is retained adjacent the subject site in accordance with the following requirements: (a) minimum 0.33 on-street car parks per proposed dwelling (rounded up to the nearest whole number) (b) minimum car park length of 5.4m where a vehicle can enter or exit a space directly (c) minimum carpark length of 6m for an intermediate space located between two other parking spaces or to an end obstruction where the parking is indented.
PO 33.2 The number of vehicular access points onto public roads is minimised to reduce interruption of the footpath and positively contribute to public safety and walkability.	DTS/DPF 33.2 Access to group dwellings or dwellings within a residential flat building is provided via a single common driveway.
PO 33.3 Residential driveways that service more than one dwelling are designed to allow safe and convenient movement.	DTS/DPF 33.3 Driveways that service more than 1 dwelling or a dwelling on a battle-axe site:

	(a) have a minimum width of 3m (b) for driveways servicing more than 3 dwellings: (i) have a width of 5.5m or more and a length of 6m or more at the kerb of the primary street (ii) where the driveway length exceeds 30m, incorporate a passing point at least every 30 metres with a minimum width of 5.5m and a minimum length of 6m.
PO 33.4 Residential driveways that service more than one dwelling or a dwelling on a battle-axe site are designed to allow passenger vehicles to enter and exit and manoeuvre within the site in a safe and convenient manner.	DTS/DPF 33.4 Driveways providing access to more than one dwelling, or a dwelling on a battle-axe site, allow a B85 passenger vehicle to enter and exit the garages or parking spaces in no more than a three-point turn manoeuvre.
PO 33.5 Dwellings are adequately separated from common driveways and manoeuvring areas.	DTS/DPF 33.5 Dwelling walls with entry doors or ground level habitable room windows are set back at least 1.5m from any driveway or area designated for the movement and manoeuvring of vehicles.
Soft landscaping	
PO 34.1 Soft landscaping is provided between dwellings and common driveways to improve the outlook for occupants and appearance of common areas.	DTS/DPF 34.1 Other than where located directly in front of a garage or building entry, soft landscaping with a minimum dimension of 1m is provided between a dwelling and common driveway.
PO 34.2 Battle-axe or common driveways incorporate landscaping and permeability to improve appearance and assist in stormwater management.	DTS/DPF 34.2 Battle-axe or common driveways satisfy (a) and (b): (a) are constructed of a minimum of 50% permeable or porous material (b) where the driveway is located directly adjacent the side or rear boundary of the site, soft landscaping with a minimum dimension of 1m is provided between the driveway and site boundary (excluding along the perimeter of a passing point).
Site Facilities / Waste Storage	
PO 35.1 Provision is made for suitable mailbox facilities close to the major pedestrian entry to the site or conveniently located considering the nature of accommodation and mobility of occupants.	DTS/DPF 35.1 None are applicable.
PO 35.2 Provision is made for suitable external clothes drying facilities.	DTS/DPF 35.2 None are applicable.
PO 35.3 Provision is made for suitable household waste and recyclable material storage facilities which are: (a) located away, or screened, from public view, and (b) conveniently located in proximity to dwellings and the waste collection point.	DTS/DPF 35.3 None are applicable.
PO 35.4 Waste and recyclable material storage areas are located away from dwellings.	DTS/DPF 35.4 Dedicated waste and recyclable material storage areas are located at least 3m from any habitable room window.
PO 35.5 Where waste bins cannot be conveniently collected from the street, provision is made for on-site waste collection, designed to accommodate the safe and convenient access, egress and movement of waste collection vehicles.	DTS/DPF 35.5 None are applicable.

PO 35.6 Services including gas and water meters are conveniently located and screened from public view.	DTS/DPF 35.6 None are applicable.
Water sensitive urban design	
PO 36.1 Residential development creating a common driveway / access includes stormwater management systems that minimise the discharge of sediment, suspended solids, organic matter, nutrients, bacteria, litter and other contaminants to the stormwater system, watercourses or other water bodies.	DTS/DPF 36.1 None are applicable.
PO 36.2 Residential development creating a common driveway / access includes a stormwater management system designed to mitigate peak flows and manage the rate and duration of stormwater discharges from the site to ensure that the development does not increase the peak flows in downstream systems.	DTS/DPF 36.2 None are applicable.
Supported Accommodation and retirement facilities	
Siting, Configuration and Design	
PO 37.1 Supported accommodation and housing for aged persons and people with disabilities is located where on-site movement of residents is not unduly restricted by the slope of the land.	DTS/DPF 37.1 None are applicable.
PO 37.2 Universal design features are incorporated to provide options for people living with disabilities or limited mobility and / or to facilitate ageing in place.	DTS/DPF 37.2 None are applicable.
Movement and Access	
PO 38.1 Development is designed to support safe and convenient access and movement for residents by providing: (a) ground-level access or lifted access to all units (b) level entry porches, ramps, paths, driveways, passenger loading areas and areas adjacent to footpaths that allow for the passing of wheelchairs and resting places (c) car parks with gradients no steeper than 1-in-40, and of sufficient area to provide for wheelchair manoeuvrability (d) kerb ramps at pedestrian crossing points.	DTS/DPF 38.1 None are applicable.
Communal Open Space	
PO 39.1 Development is designed to provide attractive, convenient and comfortable indoor and outdoor communal areas to be used by residents and visitors.	DTS/DPF 39.1 None are applicable.
PO 39.2 Private open space provision may be substituted for communal open space which is designed and sited to meet the recreation and amenity needs of residents.	DTS/DPF 39.2 None are applicable.
PO 39.3 Communal open space is of sufficient size and dimensions to cater for group recreation.	DTS/DPF 39.3 Communal open space incorporates a minimum dimension of 5 metres.
PO 39.4 Communal open space is designed and sited to:	DTS/DPF 39.4 None are applicable.

(a) be conveniently accessed by the dwellings which it services (b) have regard to acoustic, safety, security and wind effects.	
PO 39.5 Communal open space contains landscaping and facilities that are functional, attractive and encourage recreational use.	DTS/DPF 39.5 None are applicable.
PO 39.6 Communal open space is designed and sited to: (a) in relation to rooftop or elevated gardens, minimise overlooking into habitable room windows or onto the useable private open space of other dwellings (b) in relation to ground floor communal space, be overlooked by habitable rooms to facilitate passive surveillance.	DTS/DPF 39.6 None are applicable.
Site Facilities / Waste Storage	
PO 40.1 Development is designed to provide storage areas for personal items and specialised equipment such as small electric powered vehicles, including facilities for the recharging of small electric-powered vehicles.	DTS/DPF 40.1 None are applicable.
PO 40.2 Provision is made for suitable mailbox facilities close to the major pedestrian entry to the site or conveniently located considering the nature of accommodation and mobility of occupants.	DTS/DPF 40.2 None are applicable.
PO 40.3 Provision is made for suitable external clothes drying facilities.	DTS/DPF 40.3 None are applicable.
PO 40.4 Provision is made for suitable household waste and recyclable material storage facilities conveniently located away, or screened, from view.	DTS/DPF 40.4 None are applicable.
PO 40.5 Waste and recyclable material storage areas are located away from dwellings.	DTS/DPF 40.5 Dedicated waste and recyclable material storage areas are located at least 3m from any habitable room window.
PO 40.6 Provision is made for on-site waste collection where 10 or more bins are to be collected at any one time.	DTS/DPF 40.6 None are applicable.
PO 40.7 Services, including gas and water meters, are conveniently located and screened from public view.	DTS/DPF 40.7 None are applicable.
Student Accommodation	
PO 41.1 Student accommodation is designed to provide safe, secure, attractive, convenient and comfortable living conditions for residents, including an internal layout and facilities that are designed to provide sufficient space and amenity for the requirements of student life and promote social interaction.	DTS/DPF 41.1 Student accommodation provides: (a) a range of living options to meet a variety of accommodation needs, such as one-bedroom, two-bedroom and disability access units (b) common or shared facilities to enable a more efficient use of space, including: (i) shared cooking, laundry and external drying facilities (ii) internal and external communal and private open space provided in accordance with Design in Urban Areas Table 1 - Private Open Space (iii) common storage facilities at the rate of $8m^3$ for every 2 dwellings or students

	(iv) common on-site parking in accordance with Transport, Access and Parking Table 1 - General Off-Street Car Parking Requirements or Table 2 - Off-Street Car Parking Requirements in Designated Areas (v) bicycle parking at the rate of one space for every 2 students.
PO 41.2 Student accommodation is designed to provide easy adaptation of the building to accommodate an alternative use of the building in the event it is no longer required for student housing.	DTS/DPF 41.2 None are applicable.
All non-residential development	
Water Sensitive Design	
PO 42.1 Development likely to result in risk of export of sediment, suspended solids, organic matter, nutrients, oil and grease include stormwater management systems designed to minimise pollutants entering stormwater.	DTS/DPF 42.1 None are applicable.
PO 42.2 Water discharged from a development site is of a physical, chemical and biological condition equivalent to or better than its pre-developed state.	DTS/DPF 42.2 None are applicable.
PO 42.3 Development includes stormwater management systems to mitigate peak flows and manage the rate and duration of stormwater discharges from the site to ensure that development does not increase peak flows in downstream systems.	DTS/DPF 42.3 None are applicable.
Wash-down and Waste Loading and Unloading	
PO 43.1 Areas for activities including loading and unloading, storage of waste refuse bins in commercial and industrial development or wash-down areas used for the cleaning of vehicles, plant or equipment are: (a) designed to contain all wastewater likely to pollute stormwater within a bunded and roofed area to exclude the entry of external surface stormwater run-off (b) paved with an impervious material to facilitate wastewater collection (c) of sufficient size to prevent 'splash-out' or 'over-spray' of wastewater from the wash-down area (d) are designed to drain wastewater to either: (i) a treatment device such as a sediment trap and coalescing plate oil separator with subsequent disposal to a sewer, private or Community Wastewater Management Scheme or (ii) a holding tank and its subsequent removal off-site on a regular basis.	DTS/DPF 43.1 None are applicable.
Laneway Development	
Infrastructure and Access	
PO 44.1 Development with a primary street comprising a laneway, alley, lane, right of way or similar minor thoroughfare only occurs where: (a) existing utility infrastructure and services are capable of accommodating the development	DTS/DPF 44.1 Development with a primary street frontage that is not an alley, lane, right of way or similar public thoroughfare.

(b) the primary street can support access by emergency and regular service vehicles (such as waste collection)
(c) it does not require the provision or upgrading of infrastructure on public land (such as footpaths and stormwater management systems)
(d) safety of pedestrians or vehicle movement is maintained
(e) any necessary grade transition is accommodated within the site of the development to support an appropriate development intensity and orderly development of land fronting minor thoroughfares.

Decks

Design and Siting

PO 45.1

Decks are designed and sited to:

(a) complement the associated building form
(b) minimise impacts on the streetscape through siting behind the building line of the principal building (unless on a significant allotment or open space)
(c) minimise cut and fill and overall massing when viewed from adjacent land.

DTS/DPF 45.1

Decks:

(a) where ancillary to a dwelling:
  (i) are not constructed, added to or altered so that any part is situated:
    A. in front of any part of the building line of the dwelling to which it is ancillary
    or
    B. within 900mm of a boundary of the allotment with a secondary street (if the land has boundaries on two or more roads)
  (ii) are set back at least 900mm from side or rear allotment boundaries
  (iii) when attached to the dwelling, has a finished floor level consistent with the finished ground floor level of the dwelling
  (iv) where associated with a residential use, retains a total area of soft landscaping for the entire development site, including any common property, with a minimum dimension of 700mm in accordance with (A) or (B), whichever is less:
    A. a total area is determined by the following table:

Site area (or in the case of residential flat building or group dwelling(s), average site area) (m^2)	Minimum percentage of site
<150	10%
150-200	15%
>200-450	20%
>450	25%

    B. the amount of existing soft landscaping prior to the development occurring.

(b) where in association with a non-residential use:
  (i) are set back at least 2 metres from the boundary of an allotment used for residential purposes.
  (ii) are set back at least 2 metres from a public road.
  (iii) have a floor area not exceeding 25m^2

(c) in all cases, has a finished floor level not exceeding 1 metre above natural ground level at any point.

PO 45.2

Decks are designed and sited to minimise direct overlooking of

DTS/DPF 45.2

Decks with a finished floor level/s 500mm or more above natural

habitable rooms and private open spaces of adjoining residential uses in neighbourhood-type zones through suitable floor levels, screening and siting taking into account the slope of the subject land, existing vegetation on the subject land, and fencing.	ground level facing side or rear boundaries shared with a residential use in a neighbourhood-type zone incorporate screening with a maximum of 25% transparency/openings, permanently fixed to the outer edge of the deck not less than 1.5 m above the finished floor level/s.
PO 45.3 Decks used for outdoor dining, entertainment or other commercial uses provide carparking in accordance with the primary use of the deck.	DTS/DPF 45.3 Decks used for commercial purposes do not result in less on-site car parking for the primary use of the subject land than specified in Transport, Access and Parking Table 1 - General Off-Street Car Parking Requirements or Table 2 - Off-Street Car Parking Requirements in Designated Areas.

Table 1 - Private Open Space

Dwelling Type	Dwelling / Site Configuration	Minimum Rate
Dwelling (at ground level, other than a residential flat building that includes above ground dwellings)		Total private open space area: (a) Site area <301m^2: 24m^2 located behind the building line. (b) Site area ≥ 301m^2: 60m^2 located behind the building line. Minimum directly accessible from a living room: 16m^2 / with a minimum dimension 3m.
Cabin or caravan (permanently fixed to the ground) in a residential park or caravan and tourist park		Total area: 16m^2, which may be uses as second car parking space, provided on each site intended for residential occupation.
Dwelling in a residential flat building or mixed use building which incorporate above ground level dwellings	Dwellings at ground level:	15m^2 / minimum dimension 3m
	Dwellings above ground level:	
	Studio (no separate bedroom)	4m^2 / minimum dimension 1.8m
	One bedroom dwelling	8m^2 / minimum dimension 2.1m
	Two bedroom dwelling	11m^2 / minimum dimension 2.4m
	Three + bedroom dwelling	15 m^2 / minimum dimension 2.6m

Forestry

Assessment Provisions (AP)

Desired Outcome (DO)

	Desired Outcome
DO 1	Commercial forestry is designed and sited to maximise economic benefits whilst managing potential negative impacts on the environment, transport networks, surrounding land uses and landscapes.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Siting	
PO 1.1 Commercial forestry plantations are established where there is no detrimental effect on the physical environment or scenic quality of the rural landscape.	DTS/DPF 1.1 None are applicable.
PO 1.2 Commercial forestry plantations are established on slopes that are stable to minimise the risk of soil erosion.	DTS/DPF 1.2 Commercial forestry plantations are not located on land with a slope exceeding 20% (1-in-5).
PO 1.3 Commercial forestry plantations and operations associated with their establishment, management and harvesting are appropriately set back from any sensitive receiver to minimise fire risk and noise disturbance.	DTS/DPF 1.3 Commercial forestry plantations and operations associated with their establishment, management and harvesting are set back 50m or more from any sensitive receiver.
Water Protection	
PO 2.1 Commercial forestry plantations incorporate artificial drainage lines (i.e. culverts, runoffs and constructed drains) integrated with natural drainage lines to minimise concentrated water flows onto or from plantation areas.	DTS/DPF 2.1 None are applicable.
PO 2.2 Appropriate siting, layout and design measures are adopted to minimise the impact of commercial forestry plantations on surface water resources.	DTS/DPF 2.2 Commercial forestry plantations: (a) do not involve cultivation (excluding spot cultivation) in drainage lines (b) are set back 20m or more from the banks of any major watercourse (a third order or higher watercourse), lake, reservoir, wetland or sinkhole (with direct connection to an aquifer) (c) are set back 10m or more from the banks of any first or second order watercourse or sinkhole (with no direct connection to an aquifer).
Fire Management	
PO 3.1 Commercial forestry plantations incorporate appropriate firebreaks and fire management design elements.	DTS/DPF 3.1 Commercial forestry plantations provide: (a) 7m or more wide external boundary firebreaks for plantations of 40ha or less (b) 10m or more wide external boundary firebreaks for plantations of between 40ha and 100ha (c) 20m or more wide external boundary firebreaks, or 10m with an additional 10m or more of fuel-reduced plantation, for plantations of 100ha or greater. Note: Firebreaks prescribed above (as well as access tracks) may be included within the setback buffer distances prescribed by other policies of the Code.
PO 3.2 Commercial forestry plantations incorporate appropriate fire management access tracks.	DTS/DPF 3.2 Commercial forestry plantation fire management access tracks: (a) are incorporated within all firebreaks (b) are 7m or more wide with a vertical clearance of 4m or more

	(c) are aligned to provide straight through access at junctions, or if they are a no through access track are appropriately signposted and provide suitable turnaround areas for fire-fighting vehicles (d) partition the plantation into units of 40ha or less in area.
Power-line Clearances	
PO 4.1 Commercial forestry plantations achieve and maintain appropriate clearances from aboveground powerlines.	DTS/DPF 4.1 Commercial forestry plantations incorporating trees with an expected mature height of greater than 6m meet the clearance requirements listed in the following table:

Voltage of transmission line	Tower or Pole	Minimum horizontal clearance distance between plantings and transmission lines
500 kV	Tower	38m
275 kV	Tower	25m
132 kV	Tower	30m
132 kV	Pole	20m
66 kV	Pole	20m
Less than 66 kV	Pole	20m

Housing Renewal

Assessment Provisions (AP)

The Housing Renewal General Development Policies are only applicable to dwellings or residential flat building undertaken by:

(a) the South Australian Housing Trust either individually or jointly with other persons or bodies
or
(b) a provider registered under the Community Housing National Law participating in a program relating to the renewal of housing endorsed by the South Australian Housing Trust.

Desired Outcome (DO)

Desired Outcome	
DO 1	Renewed residential environments replace older social housing and provide new social housing infrastructure and other housing options and tenures to enhance the residential amenity of the local area.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Land Use and Intensity	
PO 1.1 Residential development provides a range of housing choices.	DTS/DPF 1.1 Development comprises one or more of the following: (a) detached dwellings (b) semi-detached dwellings (c) row dwellings (d) group dwellings

	(e) residential flat buildings.
PO 1.2 Medium-density housing options or higher are located in close proximity to public transit, open space and/or activity centres.	DTS/DPF 1.2 None are applicable.
Building Height	
PO 2.1 Buildings generally do not exceed 3 building levels unless in locations close to public transport, centres and/or open space.	DTS/DPF 2.1 Building height (excluding garages, carports and outbuildings) does not exceed 3 building levels and 12m and wall height does not exceed 9m (not including a gable end).
PO 2.2 Medium or high rise residential flat buildings located within or at the interface with zones which restrict heights to a maximum of 2 building levels transition down in scale and height towards the boundary of that zone, other than where it is a street boundary.	DTS/DPF 2.2 None are applicable.
Primary Street Setback	
PO 3.1 Buildings are set back from the primary street boundary to contribute to an attractive streetscape character.	DTS/DPF 3.1 Buildings are no closer to the primary street (excluding any balcony, verandah, porch, awning or similar structure) than 3m.
Secondary Street Setback	
PO 4.1 Buildings are set back from secondary street boundaries to maintain separation between building walls and public streets and contribute to a suburban streetscape character.	DTS/DPF 4.1 Buildings are set back at least 900mm from the boundary of the allotment with a secondary street frontage.
Boundary Walls	
PO 5.1 Boundary walls are limited in height and length to manage visual impacts and access to natural light and ventilation.	DTS/DPF 5.1 Except where the dwelling is located on a central site within a row dwelling or terrace arrangement, dwellings with side boundary walls are sited on only one side boundary and satisfy (a) or (b): (a) adjoin or abut a boundary wall of a building on adjoining land for the same length and height (b) do not: (i) exceed 3.2m in height from the lower of the natural or finished ground level (ii) exceed 11.5m in length (iii) when combined with other walls on the boundary of the subject development site, a maximum 45% of the length of the boundary (iv) encroach within 3 metres of any other existing or proposed boundary walls on the subject land.
PO 5.2 Dwellings in a semi-detached, row or terrace arrangement maintain space between buildings consistent with a suburban streetscape character.	DTS/DPF 5.2 Dwellings in a semi-detached or row arrangement are set back 900mm or more from side boundaries shared with allotments outside the development site, except for a carport or garage.
Side Boundary Setback	
PO 6.1 Buildings are set back from side boundaries to provide:	DTS/DPF 6.1 Other than walls located on a side boundary, buildings are set back

(a) separation between dwellings in a way that contributes to a suburban character (b) access to natural light and ventilation for neighbours.	from side boundaries in accordance with the following: (a) where the wall height does not exceed 3m - at least 900mm (b) for a wall that is not south facing and the wall height exceeds 3m - at least 900mm from the boundary of the site plus a distance of 1/3 of the extent to which the height of the wall exceeds 3m from the top of the footings (c) for a wall that is south facing and the wall height exceeds 3m - at least 1.9m from the boundary of the site plus a distance of 1/3 of the extent to which the height of the wall exceeds 3m from the top of the footings.
Rear Boundary Setback	
PO 7.1 Buildings are set back from rear boundaries to provide: (a) separation between dwellings in a way that contributes to a suburban character (b) access to natural light and ventilation for neighbours (c) private open space (d) space for landscaping and vegetation.	DTS/DPF 7.1 Dwellings are set back from the rear boundary: (a) 3m or more for the first building level (b) 5m or more for any subsequent building level.
Buildings elevation design	
PO 8.1 Dwelling elevations facing public streets and common driveways make a positive contribution to the streetscape and common driveway areas.	DTS/DPF 8.1 Each dwelling includes at least 3 of the following design features within the building elevation facing a primary street, and at least 2 of the following design features within the building elevation facing any other public road (other than a laneway) or a common driveway: (a) a minimum of 30% of the building elevation is set back an additional 300mm from the building line (b) a porch or portico projects at least 1m from the building elevation (c) a balcony projects from the building elevation (d) a verandah projects at least 1m from the building elevation (e) eaves of a minimum 400mm width extend along the width of the front elevation (f) a minimum 30% of the width of the upper level projects forward from the lower level primary building line by at least 300mm. (g) a minimum of two different materials or finishes are incorporated on the walls of the building elevation, with a maximum of 80% of the building elevation in a single material or finish.
PO 8.2 Dwellings incorporate windows along primary street frontages to encourage passive surveillance and make a positive contribution to the streetscape.	DTS/DPF 8.2 Each dwelling with a frontage to a public street: (a) includes at least one window facing the primary street from a habitable room that has a minimum internal room dimension of 2.4m (b) has an aggregate window area of at least $2m^2$ facing the primary street
PO 8.3 The visual mass of larger buildings is reduced when viewed from adjoining allotments or public streets.	DTS/DPF 8.3 None are applicable.
PO 8.4 Built form considers local context and provides a quality design response through scale, massing, materials, colours and architectural expression.	DTS/DPF 8.4 None are applicable.
PO 8.5	DTS/DPF 8.5

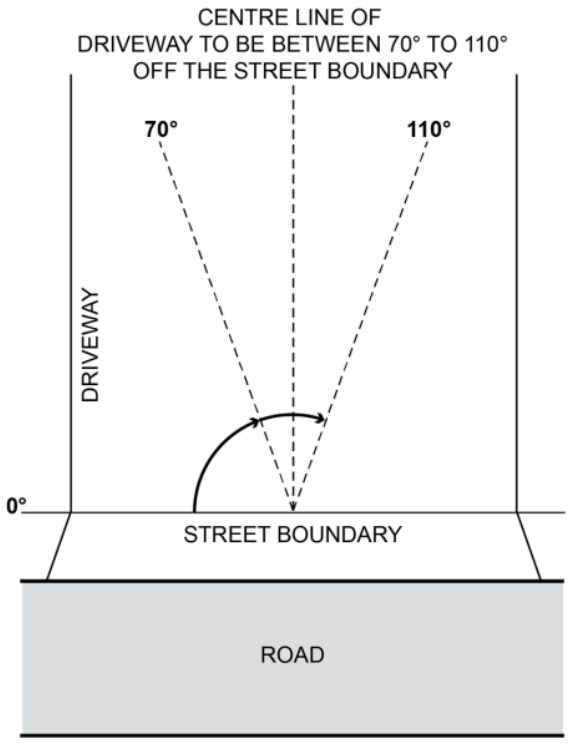
Entrances to multi-storey buildings are: (a) oriented towards the street (b) visible and easily identifiable from the street (c) designed to include a common mail box structure.	None are applicable.
Outlook and amenity	
PO 9.1 Living rooms have an external outlook to provide a high standard of amenity for occupants.	DTS/DPF 9.1 A living room of a dwelling incorporates a window with an external outlook towards the street frontage or private open space.
PO 9.2 Bedrooms are separated or shielded from active communal recreation areas, common access areas and vehicle parking areas and access ways to mitigate noise and artificial light intrusion.	DTS/DPF 9.2 None are applicable.
Private Open Space	
PO 10.1 Dwellings are provided with suitable sized areas of usable private open space to meet the needs of occupants.	DTS/DPF 10.1 Private open space is provided in accordance with the following table:

Dwelling Type	Dwelling / Site Configuration	Minimum Rate
Dwelling (at ground level)		Total area: 24m^2 located behind the building line Minimum adjacent to a living room: 16m^2 with a minimum dimension 3m
Dwelling (above ground level)	Studio	4m^2 / minimum dimension 1.8m
	One bedroom dwelling	8m^2 / minimum dimension 2.1m
	Two bedroom dwelling	11m^2 / minimum dimension 2.4m
	Three + bedroom dwelling	15 m^2 / minimum dimension 2.6m

PO 10.2 Private open space positioned to provide convenient access from internal living areas.	DTS/DPF 10.2 At least 50% of the required area of private open space is accessible from a habitable room.
PO 10.3 Private open space is positioned and designed to: (a) provide useable outdoor space that suits the needs of occupants; (b) take advantage of desirable orientation and vistas; and (c) adequately define public and private space.	DTS/DPF 10.3 None are applicable.
Visual privacy	
PO 11.1 Development mitigates direct overlooking from upper level windows to habitable rooms and private open spaces of adjoining residential uses.	DTS/DPF 11.1 Upper level windows facing side or rear boundaries shared with another residential allotment/site satisfy one of the following:

	(a) are permanently obscured to a height of 1.5m above finished floor level and are fixed or not capable of being opened more than 200mm (b) have sill heights greater than or equal to 1.5m above finished floor level (c) incorporate screening with a maximum of 25% openings, permanently fixed no more than 500mm from the window surface and sited adjacent to any part of the window less than 1.5m above the finished floor.
PO 11.2 Development mitigates direct overlooking from upper level balconies and terraces to habitable rooms and private open space of adjoining residential uses.	DTS/DPF 11.2 One of the following is satisfied: (a) the longest side of the balcony or terrace will face a public road, public road reserve or public reserve that is at least 15m wide in all places faced by the balcony or terrace or (b) all sides of balconies or terraces on upper building levels are permanently obscured by screening with a maximum 25% transparency/openings fixed to a minimum height of: (i) 1.5m above finished floor level where the balcony is located at least 15 metres from the nearest habitable window of a dwelling on adjacent land or (ii) 1.7m above finished floor level in all other cases
Landscaping	
PO 12.1 Soft landscaping is incorporated into development to: (a) minimise heat absorption and reflection (b) maximise shade and shelter (c) maximise stormwater infiltration and biodiversity (d) enhance the appearance of land and streetscapes.	DTS/DPF 12.1 Residential development incorporates pervious areas for soft landscaping with a minimum dimension of 700mm provided in accordance with (a) and (b): (a) a total area as determined by the following table: Dwelling site area (or in the case of residential flat building or group dwelling(s), average site area) (m2) / Minimum percentage of site <150 / 10% <200 / 15% 200-450 / 20% >450 / 25% (b) at least 30% of land between the road boundary and the building line.
Water Sensitive Design	
PO 13.1 Residential development is designed to capture and use stormwater to: (a) maximise efficient use of water resources (b) manage peak stormwater runoff flows and volume to ensure the carrying capacities of downstream systems are not overloaded (c) manage runoff quality to maintain, as close as practical, pre-development conditions.	DTS/DPF 13.1 None are applicable.
Car Parking	
PO 14.1 On-site car parking is provided to meet the anticipated demand of residents, with less on-site parking in areas in close proximity to public transport.	DTS/DPF 14.1 On-site car parking is provided at the following rates per dwelling: (a) 2 or fewer bedrooms - 1 car parking space (b) 3 or more bedrooms - 2 car parking spaces.
PO 14.2	DTS/DPF 14.2

Enclosed car parking spaces are of dimensions to be functional, accessible and convenient.	Residential parking spaces enclosed by fencing, walls or other obstructions with the following internal dimensions (separate from any waste storage area): (a) single parking spaces: (i) a minimum length of 5.4m (ii) a minimum width of 3.0m (iii) a minimum garage door width of 2.4m (b) double parking spaces (side by side): (i) a minimum length of 5.4m (ii) a minimum width of 5.5m (iii) minimum garage door width of 2.4m per space.
PO 14.3 Uncovered car parking spaces are of dimensions to be functional, accessible and convenient.	DTS/DPF 14.3 Uncovered car parking spaces have: (a) a minimum length of 5.4m (b) a minimum width of 2.4m (c) a minimum width between the centre line of the space and any fence, wall or other obstruction of 1.5m.
PO 14.4 Residential flat buildings and group dwelling developments provide sufficient on-site visitor car parking to cater for anticipated demand.	DTS/DPF 14.4 Visitor car parking for group and residential flat buildings incorporating 4 or more dwellings is provided on-site at a minimum ratio of 0.25 car parking spaces per dwelling.
PO 14.5 Residential flat buildings provide dedicated areas for bicycle parking.	DTS/DPF 14.5 Residential flat buildings provide one bicycle parking space per dwelling.
Overshadowing	
PO 15.1 Development minimises overshadowing of the private open spaces of adjoining land by ensuring that ground level open space associated with residential buildings receive direct sunlight for a minimum of 2 hours between 9am and 3pm on 21 June.	DTS/DPF 15.1 None are applicable.
Waste	
PO 16.1 Provision is made for the convenient storage of waste bins in a location screened from public view.	DTS/DPF 16.1 A waste bin storage area is provided behind the primary building line that: (a) has a minimum area of $2m^2$ with a minimum dimension of 900mm (separate from any designated car parking spaces or private open space).; and (b) has a continuous unobstructed path of travel (excluding moveable objects like gates, vehicles and roller doors) with a minimum width of 800mm between the waste bin storage area and the street.
PO 16.2 Residential flat buildings provide a dedicated area for the on-site storage of waste which is: (a) easily and safely accessible for residents and for collection vehicles (b) screened from adjoining land and public roads (c) of sufficient dimensions to be able to accommodate the waste storage needs of the development considering the intensity and nature of the development and the frequency of collection.	DTS/DPF 16.2 None are applicable.

Vehicle Access	
PO 17.1 Driveways are located and designed to facilitate safe access and egress while maximising land available for street tree planting, landscaped street frontages and on-street parking.	DTS/DPF 17.1 None are applicable.
PO 17.2 Vehicle access is safe, convenient, minimises interruption to the operation of public roads and does not interfere with street infrastructure or street trees.	DTS/DPF 17.2 Vehicle access to designated car parking spaces satisfy (a) or (b): (a) is provided via a lawfully existing or authorised access point or an access point for which consent has been granted as part of an application for the division of land (b) where newly proposed, is set back: (i) 0.5m or more from any street furniture, street pole, infrastructure services pit, or other stormwater or utility infrastructure unless consent is provided from the asset owner (ii) 2m or more from the base of the trunk of a street tree unless consent is provided from the tree owner for a lesser distance (iii) 6m or more from the tangent point of an intersection of 2 or more roads (iv) outside of the marked lines or infrastructure dedicating a pedestrian crossing.
PO 17.3 Driveways are designed to enable safe and convenient vehicle movements from the public road to on-site parking spaces.	DTS/DPF 17.3 Driveways are designed and sited so that: (a) the gradient of the driveway does not exceed a grade of 1 in 4 and includes transitions to ensure a maximum grade change of 12.5% (1 in 8) for summit changes, and 15% (1 in 6.7) for sag changes, in accordance with AS 2890.1:2004 to prevent vehicles bottoming or scraping (b) the centreline of the driveway has an angle of no less than 70 degrees and no more than 110 degrees from the street boundary to which it takes its access as shown in the following diagram: 

	(c) if located to provide access from an alley, lane or right of way - the alley, land or right or way is at least 6.2m wide along the boundary of the allotment / site.
PO 17.4 Driveways and access points are designed and distributed to optimise the provision of on-street parking.	DTS/DPF 17.4 Where on-street parking is available abutting the site's street frontage, on-street parking is retained in accordance with the following requirements: (a) minimum 0.33 on-street spaces per dwelling on the site (rounded up to the nearest whole number) (b) minimum car park length of 5.4m where a vehicle can enter or exit a space directly (c) minimum carpark length of 6m for an intermediate space located between two other parking spaces or to an end obstruction where the parking is indented.
PO 17.5 Residential driveways that service more than one dwelling of a dimension to allow safe and convenient movement.	DTS/DPF 17.5 Driveways that service more than 1 dwelling or a dwelling on a battle-axe site: (a) have a minimum width of 3m (b) for driveways servicing more than 3 dwellings: (i) have a width of 5.5m or more and a length of 6m or more at the kerb of the primary street (ii) where the driveway length exceeds 30m, incorporate a passing point at least every 30 metres with a minimum width of 5.5m and a minimum length of 6m.
PO 17.6 Residential driveways that service more than one dwelling are designed to allow passenger vehicles to enter and exit the site and manoeuvre within the site in a safe and convenient manner.	DTS/DPF 17.6 Driveways providing access to more than one dwelling, or a dwelling on a battle-axe site, allow a B85 passenger vehicle to enter and exit the garages or parking spaces in no more than a three-point turn manoeuvre
PO 17.7 Dwellings are adequately separated from common driveways and manoeuvring areas.	DTS/DPF 17.7 Dwelling walls with entry doors or ground level habitable room windows are set back at least 1.5m from any driveway or area designated for the movement and manoeuvring of vehicles.
Storage	
PO 18.1 Dwellings are provided with sufficient and accessible space for storage to meet likely occupant needs.	DTS/DPF 18.1 Dwellings are provided with storage at the following rates and 50% or more of the storage volume is provided within the dwelling: (a) studio: not less than $6m^3$ (b) 1 bedroom dwelling / apartment: not less than $8m^3$ (c) 2 bedroom dwelling / apartment: not less than $10m^3$ (d) 3+ bedroom dwelling / apartment: not less than $12m^3$.
Earthworks	
PO 19.1 Development, including any associated driveways and access tracks, minimises the need for earthworks to limit disturbance to natural topography.	DTS/DPF 19.1 The development does not involve: (a) excavation exceeding a vertical height of 1m or (b) filling exceeding a vertical height of 1m or (c) a total combined excavation and filling vertical height exceeding 2m.
Service connections and infrastructure	
PO 20.1 Dwellings are provided with appropriate service connections and	DTS/DPF 20.1 The site and building:

infrastructure.	(a) have the ability to be connected to a permanent potable water supply (b) have the ability to be connected to a sewerage system, or a wastewater system approved under the *South Australian Public Health Act 2011* (c) have the ability to be connected to electricity supply (d) have the ability to be connected to an adequate water supply (and pressure) for fire-fighting purposes (e) would not be contrary to the Regulations prescribed for the purposes of Section 86 of the *Electricity Act 1996*.
Site contamination	
PO 21.1 Land that is suitable for sensitive land uses to provide a safe environment.	DTS/DPF 21.1 Development satisfies (a), (b), (c) or (d): (a) does not involve a change in the use of land (b) involves a change in the use of land that does not constitute a change to a more sensitive use (c) involves a change in the use of land to a more sensitive use on land at which site contamination does not exist (as demonstrated in a site contamination declaration form) (d) involves a change in the use of land to a more sensitive use on land at which site contamination exists, or may exist (as demonstrated in a site contamination declaration form), and satisfies both of the following: (i) a site contamination audit report has been prepared under Part 10A of the *Environment Protection Act 1993* in relation to the land within the previous 5 years which states that A. site contamination does not exist (or no longer exists) at the land or B. the land is suitable for the proposed use or range of uses (without the need for any further remediation) or C. where remediation is, or remains, necessary for the proposed use (or range of uses), remediation work has been carried out or will be carried out (and the applicant has provided a written undertaking that the remediation works will be implemented in association with the development) and (ii) no other class 1 activity or class 2 activity has taken place at the land since the preparation of the site contamination audit report (as demonstrated in a site contamination declaration form).

Infrastructure and Renewable Energy Facilities

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Efficient provision of infrastructure networks and services, renewable energy facilities and ancillary development in a manner that

	minimises hazard, is environmentally and culturally sensitive and manages adverse visual impacts on natural and rural landscapes and residential amenity.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
General	
PO 1.1 Development is located and designed to minimise hazard or nuisance to adjacent development and land uses.	DTS/DPF 1.1 None are applicable.
Visual Amenity	
PO 2.1 The visual impact of above-ground infrastructure networks and services (excluding high voltage transmission lines), renewable energy facilities (excluding wind farms), energy storage facilities and ancillary development is minimised from townships, scenic routes and public roads by: (a) utilising features of the natural landscape to obscure views where practicable (b) siting development below ridgelines where practicable (c) avoiding visually sensitive and significant landscapes (d) using materials and finishes with low-reflectivity and colours that complement the surroundings (e) using existing vegetation to screen buildings (f) incorporating landscaping or landscaped mounding around the perimeter of a site and between adjacent allotments accommodating or zoned to primarily accommodate sensitive receivers.	DTS/DPF 2.1 None are applicable.
PO 2.2 Pumping stations, battery storage facilities, maintenance sheds and other ancillary structures incorporate vegetation buffers to reduce adverse visual impacts on adjacent land.	DTS/DPF 2.2 None are applicable.
PO 2.3 Surfaces exposed by earthworks associated with the installation of storage facilities, pipework, penstock, substations and other ancillary plant are reinstated and revegetated to reduce adverse visual impacts on adjacent land.	DTS/DPF 2.3 None are applicable.
Rehabilitation	
PO 3.1 Progressive rehabilitation (incorporating revegetation) of disturbed areas, ahead of or upon decommissioning of areas used for renewable energy facilities and transmission corridors.	DTS/DPF 3.1 None are applicable.
Hazard Management	
PO 4.1 Infrastructure and renewable energy facilities and ancillary development located and operated to not adversely impact maritime or air transport safety, including the operation of ports, airfields and landing strips.	DTS/DPF 4.1 None are applicable.
PO 4.2 Facilities for energy generation, power storage and transmission are separated as far as practicable from dwellings, tourist accommodation and frequently visited public places	DTS/DPF 4.2 None are applicable.

(such as viewing platforms / lookouts) to reduce risks to public safety from fire or equipment malfunction.	
PO 4.3 Bushfire hazard risk is minimised for renewable energy facilities by providing appropriate access tracks, safety equipment and water tanks and establishing cleared areas around substations, battery storage and operations compounds.	DTS/DPF 4.3 None are applicable.
Electricity Infrastructure and Battery Storage Facilities	
PO 5.1 Electricity infrastructure is located to minimise visual impacts through techniques including: (a) siting utilities and services: (i) on areas already cleared of native vegetation (ii) where there is minimal interference or disturbance to existing native vegetation or biodiversity (b) grouping utility buildings and structures with non-residential development, where practicable.	DTS/DPF 5.1 None are applicable.
PO 5.2 Electricity supply (excluding transmission lines) serving new development in urban areas and townships installed underground, excluding lines having a capacity exceeding or equal to 33kV.	DTS/DPF 5.2 None are applicable.
PO 5.3 Battery storage facilities are co-located with substation infrastructure where practicable to minimise the development footprint and reduce environmental impacts.	DTS/DPF 5.3 None are applicable.
Telecommunication Facilities	
PO 6.1 The proliferation of telecommunications facilities in the form of towers/monopoles in any one locality is managed, where technically feasible, by co-locating a facility with other communications facilities to mitigate impacts from clutter on visual amenity.	DTS/DPF 6.1 None are applicable.
PO 6.2 Telecommunications antennae are located as close as practicable to support structures to manage overall bulk and mitigate impacts on visual amenity.	DTS/DPF 6.2 None are applicable.
PO 6.3 Telecommunications facilities, particularly towers/monopoles, are located and sized to mitigate visual impacts by the following methods: (a) where technically feasible, incorporating the facility within an existing structure that may serve another purpose or all of the following: (b) using existing buildings and landscape features to obscure or interrupt views of a facility from nearby public roads, residential areas and places of high public amenity to the extent practical without unduly hindering the effective provision of telecommunications services	DTS/DPF 6.3 None are applicable.

(c) using materials and finishes that complement the environment (d) screening using landscaping and vegetation, particularly for equipment shelters and huts.	
Renewable Energy Facilities	
PO 7.1 Renewable energy facilities are located as close as practicable to existing transmission infrastructure to facilitate connections and minimise environmental impacts as a result of extending transmission infrastructure.	DTS/DPF 7.1 None are applicable.
Renewable Energy Facilities (Wind Farm)	
PO 8.1 Visual impact of wind turbine generators on the amenity of residential and tourist development is reduced through appropriate separation.	DTS/DPF 8.1 Wind turbine generators are: (a) set back at least 2000m from the base of a turbine to any of the following zones: (i) Rural Settlement Zone (ii) Township Zone (iii) Rural Living Zone (iv) Rural Neighbourhood Zone with an additional 10m setback per additional metre over 150m overall turbine height (measured from the base of the turbine). (b) set back at least 1500m from the base of the turbine to non-associated (non-stakeholder) dwellings and tourist accommodation
PO 8.2 The visual impact of wind turbine generators on natural landscapes is managed by: (a) designing wind turbine generators to be uniform in colour, size and shape (b) coordinating blade rotation and direction (c) mounting wind turbine generators on tubular towers as opposed to lattice towers.	DTS/DPF 8.2 None are applicable.
PO 8.3 Wind turbine generators and ancillary development minimise potential for bird and bat strike.	DTS/DPF 8.3 None are applicable.
PO 8.4 Wind turbine generators incorporate recognition systems or physical markers to minimise the risk to aircraft operations.	DTS/DPF 8.4 No Commonwealth air safety (CASA / ASA) or Defence requirement is applicable.
PO 8.5 Meteorological masts and guidewires are identifiable to aircraft through the use of colour bands, marker balls, high visibility sleeves or flashing strobes.	DTS/DPF 8.5 None are applicable.
Renewable Energy Facilities (Solar Power)	
PO 9.1 Ground mounted solar power facilities generating 5MW or more are not located on land requiring the clearance of areas of intact native vegetation or on land of high environmental, scenic or cultural value.	DTS/DPF 9.1 None are applicable.
PO 9.2 Ground mounted solar power facilities allow for movement of wildlife by:	DTS/DPF 9.2 None are applicable.

(a) incorporating wildlife corridors and habitat refuges (b) avoiding the use of extensive security or perimeter fencing or incorporating fencing that enables the passage of small animals without unreasonably compromising the security of the facility.	
PO 9.3 Amenity impacts of solar power facilities are minimised through separation from conservation areas and sensitive receivers in other ownership.	DTS/DPF 9.3 Ground mounted solar power facilities are set back from land boundaries, conservation areas and relevant zones in accordance with the following criteria: **Generation Capacity** / **Approximate size of array** / **Setback from adjoining land boundary** / **Setback from conservation areas** / **Setback from Township, Rural Settlement, Rural Neighbourhood and Rural Living Zones[1]** 50MW> / 80ha+ / 30m / 500m / 2km 10MW<50MW / 16ha-<80ha / 25m / 500m / 1.5km 5MW<10MW / 8ha to <16ha / 20m / 500m / 1km 1MW<5MW / 1.6ha to <8ha / 15m / 500m / 500m 100kW<1MW / 0.5ha<1.6ha / 10m / 500m / 100m <100kW / <0.5ha / 5m / 500m / 25m Notes: 1. Does not apply when the site of the proposed ground mounted solar power facility is located within one of these zones.
PO 9.4 Ground mounted solar power facilities incorporate landscaping within setbacks from adjacent road frontages and boundaries of adjacent allotments accommodating non-host dwellings, where balanced with infrastructure access and bushfire safety considerations.	DTS/DPF 9.4 None are applicable.
Hydropower / Pumped Hydropower Facilities	
PO 10.1 Hydropower / pumped hydropower facility storage is designed and operated to minimise the risk of storage dam failure.	DTS/DPF 10.1 None are applicable.
PO 10.2 Hydropower / pumped hydropower facility storage is designed and operated to minimise water loss through increased evaporation or system leakage, with the incorporation of appropriate liners, dam covers, operational measures or detection systems.	DTS/DPF 10.2 None are applicable.
PO 10.3 Hydropower / pumped hydropower facilities on existing or former mine sites minimise environmental impacts from site contamination, including from mine operations or water sources subject to such processes, now or in the future.	DTS/DPF 10.3 None are applicable.
Water Supply	
PO 11.1	DTS/DPF 11.1

Development is connected to an appropriate water supply to meet the ongoing requirements of the intended use.	Development is connected, or will be connected, to a reticulated water scheme or mains water supply with the capacity to meet the on-going requirements of the development.
PO 11.2 Dwellings are connected to a reticulated water scheme or mains water supply with the capacity to meet the requirements of the intended use. Where this is not available an appropriate rainwater tank or storage system for domestic use is provided.	DTS/DPF 11.2 A dwelling is connected, or will be connected, to a reticulated water scheme or mains water supply with the capacity to meet the requirements of the development. Where this is not available it is serviced by a rainwater tank or tanks capable of holding at least 50,000 litres of water which is: (a) exclusively for domestic use (b) connected to the roof drainage system of the dwelling.
Wastewater Services	
PO 12.1 Development is connected to an approved common wastewater disposal service with the capacity to meet the requirements of the intended use. Where this is not available an appropriate on-site service is provided to meet the ongoing requirements of the intended use in accordance with the following: (a) it is wholly located and contained within the allotment of the development it will service (b) in areas where there is a high risk of contamination of surface, ground, or marine water resources from on-site disposal of liquid wastes, disposal systems are included to minimise the risk of pollution to those water resources (c) septic tank effluent drainage fields and other wastewater disposal areas are located away from watercourses and flood prone, sloping, saline or poorly drained land to minimise environmental harm.	DTS/DPF 12.1 Development is connected, or will be connected, to an approved common wastewater disposal service with the capacity to meet the requirements of the development. Where this is not available it is instead capable of being serviced by an on-site waste water treatment system in accordance with the following: (a) the system is wholly located and contained within the allotment of development it will service; and (b) the system will comply with the requirements of the South Australian Public Health Act 2011.
PO 12.2 Effluent drainage fields and other wastewater disposal areas are maintained to ensure the effective operation of waste systems and minimise risks to human health and the environment.	DTS/DPF 12.2 Development is not built on, or encroaches within, an area that is, or will be, required for a sewerage system or waste control system.
Temporary Facilities	
PO 13.1 In rural and remote locations, development that is likely to generate significant waste material during construction, including packaging waste, makes provision for a temporary on-site waste storage enclosure to minimise the incidence of wind-blown litter.	DTS/DPF 13.1 A waste collection and disposal service is used to dispose of the volume of waste at the rate it is generated.
PO 13.2 Temporary facilities to support the establishment of renewable energy facilities (including borrow pits, concrete batching plants, laydown, storage, access roads and worker amenity areas) are sited and operated to minimise environmental impact.	DTS/DPF 13.2 None are applicable.

Intensive Animal Husbandry and Dairies

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Development of intensive animal husbandry and dairies in locations that are protected from encroachment by sensitive receivers and in a manner that minimises their adverse effects on amenity and the environment.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Siting and Design	
PO 1.1 Intensive animal husbandry, dairies and associated activities are sited, designed, constructed and managed to not unreasonably impact on the environment or amenity of the locality.	DTS/DPF 1.1 None are applicable.
PO 1.2 Intensive animal husbandry, dairies and associated activities are sited, designed, constructed and managed to prevent the potential transmission of disease to other operations where animals are kept.	DTS/DPF 1.2 None are applicable.
PO 1.3 Intensive animal husbandry and associated activities such as wastewater lagoons and liquid/solid waste disposal areas are sited, designed, constructed and managed to not unreasonably impact on sensitive receivers in other ownership in terms of noise and air emissions.	DTS/DPF 1.3 None are applicable.
PO 1.4 Dairies and associated activities such as wastewater lagoons and liquid/solid waste disposal areas are sited, designed, constructed and managed to not unreasonably impact on sensitive receivers in other ownership in terms of noise and air emissions.	DTS/DPF 1.4 Dairies, associated wastewater lagoon(s) and liquid/solid waste storage and disposal facilities are located 500m or more from the nearest sensitive receiver in other ownership.
PO 1.5 Lagoons for the storage or treatment of milking shed effluent is adequately separated from roads to minimise impacts from odour on the general public.	DTS/DPF 1.5 Lagoons for the storage or treatment of milking shed effluent are set back 20m or more from public roads.
Waste	
PO 2.1 Storage of manure, used litter and other wastes (other than waste water lagoons) is sited, designed, constructed and managed to: (a) avoid attracting and harbouring vermin (b) avoid polluting water resources (c) be located outside 1% AEP flood event areas.	DTS/DPF 2.1 None are applicable.
Soil and Water Protection	
PO 3.1 To avoid environmental harm and adverse effects on water resources, intensive animal husbandry operations are appropriately set back from: (a) public water supply reservoirs (b) major watercourses (third order or higher stream) (c) any other watercourse, bore or well used for domestic or stock water supplies.	DTS/DPF 3.1 Intensive animal husbandry operations are set back: (a) 800m or more from a public water supply reservoir (b) 200m or more from a major watercourse (third order or higher stream) (c) 100m or more from any other watercourse, bore or well used for domestic or stock water supplies.
PO 3.2 Intensive animal husbandry operations and dairies incorporate	DTS/DPF 3.2 None are applicable.

appropriately designed effluent and run-off facilities that: (a) have sufficient capacity to hold effluent and runoff from the operations on site (b) ensure effluent does not infiltrate and pollute groundwater, soil or other water resources.	

Interface between Land Uses

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Development is located and designed to mitigate adverse effects on or from neighbouring and proximate land uses.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
General Land Use Compatibility	
PO 1.1 Sensitive receivers are designed and sited to protect residents and occupants from adverse impacts generated by lawfully existing land uses (or lawfully approved land uses) and land uses desired in the zone.	DTS/DPF 1.1 None are applicable.
PO 1.2 Development adjacent to a site containing a sensitive receiver (or lawfully approved sensitive receiver) or zone primarily intended to accommodate sensitive receivers is designed to minimise adverse impacts.	DTS/DPF 1.2 None are applicable.
Hours of Operation	
PO 2.1 Non-residential development does not unreasonably impact the amenity of sensitive receivers (or lawfully approved sensitive receivers) or an adjacent zone primarily for sensitive receivers through its hours of operation having regard to: (a) the nature of the development (b) measures to mitigate off-site impacts (c) the extent to which the development is desired in the zone (d) measures that might be taken in an adjacent zone primarily for sensitive receivers that mitigate adverse impacts without unreasonably compromising the intended use of that land.	DTS/DPF 2.1 Development operating within the following hours: **Class of Development** / **Hours of operation** Consulting room: 7am to 9pm, Monday to Friday; 8am to 5pm, Saturday Office: 7am to 9pm, Monday to Friday; 8am to 5pm, Saturday Shop, other than any one or combination of the following: (a) restaurant: 7am to 9pm, Monday to Friday; 8am to 5pm, Saturday and Sunday

	(b) cellar door in the Productive Rural Landscape Zone, Rural Zone or Rural Horticulture Zone		

Overshadowing	
PO 3.1 Overshadowing of habitable room windows of adjacent residential land uses in: a. a neighbourhood-type zone is minimised to maintain access to direct winter sunlight b. other zones is managed to enable access to direct winter sunlight.	DTS/DPF 3.1 North-facing windows of habitable rooms of adjacent residential land uses in a neighbourhood-type zone receive at least 3 hours of direct sunlight between 9.00am and 3.00pm on 21 June.
PO 3.2 Overshadowing of the primary area of private open space or communal open space of adjacent residential land uses in: a. a neighbourhood type zone is minimised to maintain access to direct winter sunlight b. other zones is managed to enable access to direct winter sunlight.	DTS/DPF 3.2 Development maintains 2 hours of direct sunlight between 9.00 am and 3.00 pm on 21 June to adjacent residential land uses in a neighbourhood-type zone in accordance with the following: a. for ground level private open space, the smaller of the following: i. half the existing ground level open space or ii. 35m2 of the existing ground level open space (with at least one of the area's dimensions measuring 2.5m) b. for ground level communal open space, at least half of the existing ground level open space.
PO 3.3 Development does not unduly reduce the generating capacity of adjacent rooftop solar energy facilities taking into account: (a) the form of development contemplated in the zone (b) the orientation of the solar energy facilities (c) the extent to which the solar energy facilities are already overshadowed.	DTS/DPF 3.3 None are applicable.
PO 3.4 Development that incorporates moving parts, including windmills and wind farms, are located and operated to not cause unreasonable nuisance to nearby dwellings and tourist accommodation caused by shadow flicker.	DTS/DPF 3.4 None are applicable.
Activities Generating Noise or Vibration	
PO 4.1 Development that emits noise (other than music) does not unreasonably impact the amenity of sensitive receivers (or lawfully approved sensitive receivers).	DTS/DPF 4.1 Noise that affects sensitive receivers achieves the relevant Environment Protection (Commercial and Industrial Noise) Policy criteria.
PO 4.2 Areas for the on-site manoeuvring of service and delivery vehicles, plant and equipment, outdoor work spaces (and the like) are designed and sited to not unreasonably impact the amenity of adjacent sensitive receivers (or lawfully approved sensitive receivers) and zones primarily intended to accommodate sensitive receivers due to noise and vibration by adopting techniques including: (a) locating openings of buildings and associated services away from the interface with the adjacent sensitive receivers and zones primarily intended to accommodate sensitive receivers	DTS/DPF 4.2 None are applicable.

(b) when sited outdoors, locating such areas as far as practicable from adjacent sensitive receivers and zones primarily intended to accommodate sensitive receivers (c) housing plant and equipment within an enclosed structure or acoustic enclosure (d) providing a suitable acoustic barrier between the plant and / or equipment and the adjacent sensitive receiver boundary or zone.	
PO 4.3 Fixed plant and equipment in the form of pumps and/or filtration systems for a swimming pool or spa are positioned and/or housed to not cause unreasonable noise nuisance to adjacent sensitive receivers (or lawfully approved sensitive receivers).	DTS/DPF 4.3 The pump and/or filtration system ancillary to a dwelling erected on the same site is: (a) enclosed in a solid acoustic structure located at least 5m from the nearest habitable room located on an adjoining allotment or (b) located at least 12m from the nearest habitable room located on an adjoining allotment.
PO 4.4 External noise into bedrooms is minimised by separating or shielding these rooms from service equipment areas and fixed noise sources located on the same or an adjoining allotment.	DTS/DPF 4.4 Adjacent land is used for residential purposes.
PO 4.5 Outdoor areas associated with licensed premises (such as beer gardens or dining areas) are designed and/or sited to not cause unreasonable noise impact on existing adjacent sensitive receivers (or lawfully approved sensitive receivers).	DTS/DPF 4.5 None are applicable.
PO 4.6 Development incorporating music achieves suitable acoustic amenity when measured at the boundary of an adjacent sensitive receiver (or lawfully approved sensitive receiver) or zone primarily intended to accommodate sensitive receivers.	DTS/DPF 4.6 Development incorporating music includes noise attenuation measures that will achieve the following noise levels: **Assessment location** / **Music noise level** Externally at the nearest existing or envisaged noise sensitive location / Less than 8dB above the level of background noise ($L_{90,15min}$) in any octave band of the sound spectrum (LOCT10,15 < LOCT90,15 + 8dB)
Air Quality	
PO 5.1 Development with the potential to emit harmful or nuisance-generating air pollution incorporates air pollution control measures to prevent harm to human health or unreasonably impact the amenity of sensitive receivers (or lawfully approved sensitive receivers) within the locality and zones primarily intended to accommodate sensitive receivers.	DTS/DPF 5.1 None are applicable.
PO 5.2 Development that includes chimneys or exhaust flues (including cafes, restaurants and fast food outlets) is designed to minimise nuisance or adverse health impacts to sensitive receivers (or lawfully approved sensitive receivers) by: (a) incorporating appropriate treatment technology before exhaust emissions are released (b) locating and designing chimneys or exhaust flues to maximise the dispersion of exhaust emissions, taking into account the location of sensitive receivers.	DTS/DPF 5.2 None are applicable.
Light Spill	
PO 6.1	DTS/DPF 6.1

External lighting is positioned and designed to not cause unreasonable light spill impact on adjacent sensitive receivers (or lawfully approved sensitive receivers).	None are applicable.
PO 6.2 External lighting is not hazardous to motorists and cyclists.	DTS/DPF 6.2 None are applicable.
Solar Reflectivity / Glare	
PO 7.1 Development is designed and comprised of materials and finishes that do not unreasonably cause a distraction to adjacent road users and pedestrian areas or unreasonably cause heat loading and micro-climatic impacts on adjacent buildings and land uses as a result of reflective solar glare.	DTS/DPF 7.1 None are applicable.
Electrical Interference	
PO 8.1 Development in rural and remote areas does not unreasonably diminish or result in the loss of existing communication services due to electrical interference.	DTS/DPF 8.1 The building or structure: (a) is no greater than 10m in height, measured from existing ground level or (b) is not within a line of sight between a fixed transmitter and fixed receiver (antenna) other than where an alternative service is available via a different fixed transmitter or cable.
Interface with Rural Activities	
PO 9.1 Sensitive receivers are located and designed to mitigate impacts from lawfully existing horticultural and farming activities (or lawfully approved horticultural and farming activities), including spray drift and noise and do not prejudice the continued operation of these activities.	DTS/DPF 9.1 None are applicable.
PO 9.2 Sensitive receivers are located and designed to mitigate potential impacts from lawfully existing intensive animal husbandry activities and do not prejudice the continued operation of these activities.	DTS/DPF 9.2 None are applicable.
PO 9.3 Sensitive receivers are located and designed to mitigate potential impacts from lawfully existing land-based aquaculture activities and do not prejudice the continued operation of these activities.	DTS/DPF 9.3 Sensitive receivers are located at least 200m from the boundary of a site used for land-based aquaculture and associated components in other ownership.
PO 9.4 Sensitive receivers are located and designed to mitigate potential impacts from lawfully existing dairies including associated wastewater lagoons and liquid/solid waste storage and disposal facilities and do not prejudice the continued operation of these activities.	DTS/DPF 9.4 Sensitive receivers are sited at least 500m from the boundary of a site used for a dairy and associated wastewater lagoon(s) and liquid/solid waste storage and disposal facilities in other ownership.
PO 9.5 Sensitive receivers are located and designed to mitigate the potential impacts from lawfully existing facilities used for the handling, transportation and storage of bulk commodities (recognising the potential for extended hours of operation) and do not prejudice the continued operation of these activities.	DTS/DPF 9.5 Sensitive receivers are located away from the boundary of a site used for the handling, transportation and/or storage of bulk commodities in other ownership in accordance with the following: (a) 300m or more, where it involves the handling of agricultural crop products, rock, ores, minerals, petroleum products or chemicals to or from any commercial storage facility (b) 300m or more, where it involves the handling of agricultural crop products, rock, ores, minerals, petroleum products or chemicals at a wharf or wharf side facility (including sea-port grain terminals) where the handling of these materials into or from vessels does not exceed 100 tonnes per day

	(c) 500m or more, where it involves the storage of bulk petroleum in individual containers with a capacity up to 200 litres and a total on-site storage capacity not exceeding 1000 cubic metres (d) 500m or more, where it involves the handling of coal with a capacity up to 1 tonne per day or a storage capacity up to 50 tonnes (e) 1000m or more, where it involves the handling of coal with a capacity exceeding 1 tonne per day but not exceeding 100 tonnes per day or a storage capacity exceeding 50 tonnes but not exceeding 5000 tonnes.
PO 9.6 Setbacks and vegetation plantings along allotment boundaries should be incorporated to mitigate the potential impacts of spray drift and other impacts associated with agricultural and horticultural activities.	DTS/DPF 9.6 None are applicable.
PO 9.7 Urban development does not prejudice existing agricultural and horticultural activities through appropriate separation and design techniques.	DTS/DPF 9.7 None are applicable.
Interface with Mines and Quarries (Rural and Remote Areas)	
PO 10.1 Sensitive receivers are separated from existing mines to minimise the adverse impacts from noise, dust and vibration.	DTS/DPF 10.1 Sensitive receivers are located no closer than 500m from the boundary of a Mining Production Tenement under the *Mining Act 1971.*

Land Division

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Land division: (a) creates allotments with the appropriate dimensions and shape for their intended use (b) allows efficient provision of new infrastructure and the optimum use of underutilised infrastructure (c) integrates and allocates adequate and suitable land for the preservation of site features of value, including significant vegetation, watercourses, water bodies and other environmental features (d) facilitates solar access through allotment orientation (e) creates a compact urban form that supports active travel, walkability and the use of public transport (f) avoids areas of high natural hazard risk.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
All land division	
Allotment configuration	
PO 1.1 Land division creates allotments suitable for their intended use.	DTS/DPF 1.1 Division of land satisfies (a) or (b):

	(a) reflects the site boundaries illustrated and approved in an operative or existing development authorisation for residential development under the *Development Act 1993* or *Planning, Development and Infrastructure Act 2016* where the allotments are used or are proposed to be used solely for residential purposes (b) is proposed as part of a combined land division application with deemed-to-satisfy dwellings on the proposed allotments.
PO 1.2 Land division considers the physical characteristics of the land, preservation of environmental and cultural features of value and the prevailing context of the locality.	DTS/DPF 1.2 None are applicable.
Design and Layout	
PO 2.1 Land division results in a pattern of development that minimises the likelihood of future earthworks and retaining walls.	DTS/DPF 2.1 None are applicable.
PO 2.2 Land division enables the appropriate management of interface impacts between potentially conflicting land uses and/or zones.	DTS/DPF 2.2 None are applicable.
PO 2.3 Land division maximises the number of allotments that face public open space and public streets.	DTS/DPF 2.3 None are applicable.
PO 2.4 Land division is integrated with site features, adjacent land uses, the existing transport network and available infrastructure.	DTS/DPF 2.4 None are applicable.
PO 2.5 Development and infrastructure is provided and staged in a manner that supports an orderly and economic provision of land, infrastructure and services.	DTS/DPF 2.5 None are applicable.
PO 2.6 Land division results in watercourses being retained within open space and development taking place on land not subject to flooding.	DTS/DPF 2.6 None are applicable.
PO 2.7 Land division results in legible street patterns connected to the surrounding street network.	DTS/DPF 2.7 None are applicable.
PO 2.8 Land division is designed to preserve existing vegetation of value including native vegetation and regulated and significant trees.	DTS/DPF 2.8 None are applicable.
Roads and Access	
PO 3.1 Land division provides allotments with access to an all-weather public road.	DTS/DPF 3.1 None are applicable.
PO 3.2 Street patterns and intersections are designed to enable the safe and efficient movement of pedestrian, cycle and vehicular traffic.	DTS/DPF 3.2 None are applicable.
PO 3.3 Land division does not impede access to publicly owned open space and/or recreation facilities.	DTS/DPF 3.3 None are applicable.
PO 3.4	DTS/DPF 3.4

Road reserves provide for safe and convenient movement and parking of projected volumes of vehicles and allow for the efficient movement of service and emergency vehicles.	None are applicable.
PO 3.5 Road reserves are designed to accommodate pedestrian and cycling infrastructure, street tree planting, landscaping and street furniture.	DTS/DPF 3.5 None are applicable.
PO 3.6 Road reserves accommodate stormwater drainage and public utilities.	DTS/DPF 3.6 None are applicable.
PO 3.7 Road reserves provide unobstructed vehicular access and egress to and from individual allotments and sites.	DTS/DPF 3.7 None are applicable.
PO 3.8 Roads, open space and thoroughfares provide safe and convenient linkages to the surrounding open space and transport network.	DTS/DPF 3.8 None are applicable.
PO 3.9 Public streets are designed to enable tree planting to provide shade and enhance the amenity of streetscapes.	DTS/DPF 3.9 None are applicable.
PO 3.10 Local streets are designed to create low-speed environments that are safe for cyclists and pedestrians.	DTS/DPF 3.10 None are applicable.
Infrastructure	
PO 4.1 Land division incorporates public utility services within road reserves or dedicated easements.	DTS/DPF 4.1 None are applicable.
PO 4.2 Waste water, sewage and other effluent is capable of being disposed of from each allotment without risk to public health or the environment.	DTS/DPF 4.2 Each allotment can be connected to: (a) a waste water treatment plant that has the hydraulic volume and pollutant load treatment and disposal capacity for the maximum predicted wastewater volume generated by subsequent development of the proposed allotment or (b) a form of on-site waste water treatment and disposal that meets relevant public health and environmental standards.
PO 4.3 Septic tank effluent drainage fields and other waste water disposal areas are maintained to ensure the effective operation of waste systems and minimise risks to human health and the environment.	DTS/DPF 4.3 Development is not built on, or encroaches within, an area that is or will be, required for a sewerage system or waste control system.
PO 4.4 Constructed wetland systems, including associated detention and retention basins, are sited and designed to ensure public health and safety is protected, including by minimising potential public health risks arising from the breeding of mosquitoes.	DTS/DPF 4.4 None are applicable.
PO 4.5 Constructed wetland systems, including associated detention and retention basins, are sited and designed to allow sediments to settle prior to discharge into watercourses or the marine environment.	DTS/DPF 4.5 None are applicable.
PO 4.6 Constructed wetland systems, including associated detention and retention basins, are sited and designed to function as a landscape	DTS/DPF 4.6 None are applicable.

feature.	
Minor Land Division (Under 20 Allotments)	
Open Space	
PO 5.1 Land division proposing an additional allotment under 1 hectare provides or supports the provision of open space.	DTS/DPF 5.1 None are applicable.
Solar Orientation	
PO 6.1 Land division for residential purposes facilitates solar access through allotment orientation.	DTS/DPF 6.1 None are applicable.
Water Sensitive Design	
PO 7.1 Land division creating a new road or common driveway includes stormwater management systems that minimise the discharge of sediment, suspended solids, organic matter, nutrients, bacteria, litter and other contaminants to the stormwater system, watercourses or other water bodies.	DTS/DPF 7.1 None are applicable.
PO 7.2 Land division designed to mitigate peak flows and manage the rate and duration of stormwater discharges from the site to ensure that the development does not increase the peak flows in downstream systems.	DTS/DPF 7.2 None are applicable.
Battle-Axe Development	
PO 8.1 Battle-axe development appropriately responds to the existing neighbourhood context.	DTS/DPF 8.1 Allotments are not in the form of a battle-axe arrangement.
PO 8.2 Battle-axe development designed to allow safe and convenient movement.	DTS/DPF 8.2 The handle of a battle-axe development: (a) has a minimum width of 4m or (b) where more than 3 allotments are proposed, a minimum width of 5.5m.
PO 8.3 Battle-axe allotments and/or common land are of a suitable size and dimension to allow passenger vehicles to enter and exit and manoeuvre within the site in a safe and convenient manner.	DTS/DPF 8.3 Battle-axe development allows a B85 passenger vehicle to enter and exit parking spaces in no more than a three-point turn manoeuvre.
PO 8.4 Battle-axe or common driveways incorporate landscaping and permeability to improve appearance and assist in stormwater management.	DTS/DPF 8.4 Battle-axe or common driveways satisfy (a) and (b): (a) are constructed of a minimum of 50% permeable or porous material (b) where the driveway is located directly adjacent the side or rear boundary of the site, soft landscaping with a minimum dimension of 1m is provided between the driveway and site boundary (excluding along the perimeter of a passing point).
Major Land Division (20+ Allotments)	
Open Space	
PO 9.1 Land division allocates or retains evenly distributed, high quality areas of open space to improve residential amenity and provide urban heat amelioration.	DTS/DPF 9.1 None are applicable.
PO 9.2	DTS/DPF 9.2

Land allocated for open space is suitable for its intended active and passive recreational use considering gradient and potential for inundation.	None are applicable.
PO 9.3 Land allocated for active recreation has dimensions capable of accommodating a range of active recreational activities.	DTS/DPF 9.3 None are applicable.
Water Sensitive Design	
PO 10.1 Land division creating 20 or more allotments includes a stormwater management system designed to mitigate peak flows and manage the rate and duration of stormwater discharges from the site to ensure that the development does not increase the peak flows in downstream systems.	DTS/DPF 10.1 None are applicable.
PO 10.2 Land division creating 20 or more allotments includes stormwater management systems that minimise the discharge of sediment, suspended solids, organic matter, nutrients, bacteria, litter and other contaminants to the stormwater system, watercourses or other water bodies.	DTS/DPF 10.2 None are applicable.
Solar Orientation	
PO 11.1 Land division creating 20 or more allotments for residential purposes facilitates solar access through allotment orientation and allotment dimensions.	DTS/DPF 11.1 None are applicable.

Marinas and On-Water Structures

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Marinas and on-water structures are located and designed to minimise the impairment of commercial, recreational and navigational activities and adverse impacts on the environment.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Navigation and Safety	
PO 1.1 Safe public access is provided or maintained to the waterfront, public infrastructure and recreation areas.	DTS/DPF 1.1 None are applicable.
PO 1.2 The operation of wharves is not impaired by marinas and on-water structures.	DTS/DPF 1.2 None are applicable.
PO 1.3	DTS/DPF 1.3

Navigation and access channels are not impaired by marinas and on-water structures.	None are applicable.
PO 1.4 Commercial shipping lanes are not impaired by marinas and on-water structures.	DTS/DPF 1.4 Marinas and on-water structures are set back 250m or more from commercial shipping lanes.
PO 1.5 Marinas and on-water structures are located to avoid interfering with the operation or function of a water supply pumping station.	DTS/DPF 1.5 On-water structures are set back: (a) 3km or more from upstream water supply pumping station take-off points (b) 500m or more from downstream water supply pumping station take-off points.
PO 1.6 Maintenance of on-water infrastructure, including revetment walls, is not impaired by marinas and on-water structures.	DTS/DPF 1.6 None are applicable.
Environmental Protection	
PO 2.1 Development is sited and designed to facilitate water circulation and exchange.	DTS/DPF 2.1 None are applicable.

Open Space and Recreation

Assessment Provisions (AP)

Desired Outcome (DO)

	Desired Outcome
DO 1	Pleasant, functional and accessible open space and recreation facilities are provided at State, regional, district, neighbourhood and local levels for active and passive recreation, biodiversity, community health, urban cooling, tree canopy cover, visual amenity, gathering spaces, wildlife and waterway corridors, and a range of other functions and at a range of sizes that reflect the purpose of that open space.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Land Use and Intensity	
PO 1.1 Recreation facilities are compatible with surrounding land uses and activities.	DTS/DPF 1.1 None are applicable.
PO 1.2 Open space areas include natural or landscaped areas using locally indigenous plant species and large trees.	DTS/DPF 1.2 None are applicable.
Design and Siting	
PO 2.1 Open space and recreation facilities address adjacent public roads to optimise pedestrian access and visibility.	DTS/DPF 2.1 None are applicable.

PO 2.2 Open space and recreation facilities incorporate park furniture, shaded areas and resting places.	DTS/DPF 2.2 None are applicable.
PO 2.3 Open space and recreation facilities link habitats, wildlife corridors and existing open spaces and recreation facilities.	DTS/DPF 2.3 None are applicable.
Pedestrians and Cyclists	
PO 3.1 Open space incorporates: (a) pedestrian and cycle linkages to other open spaces, centres, schools and public transport nodes; (b) safe crossing points where pedestrian routes intersect the road network; (c) easily identified access points.	DTS/DPF 3.1 None are applicable.
Usability	
PO 4.1 Land allocated for open space is suitable for its intended active and passive recreational use taking into consideration its gradient and potential for inundation.	DTS/DPF 4.1 None are applicable.
Safety and Security	
PO 5.1 Open space is overlooked by housing, commercial or other development to provide casual surveillance where possible.	DTS/DPF 5.1 None are applicable.
PO 5.2 Play equipment is located to maximise opportunities for passive surveillance.	DTS/DPF 5.2 None are applicable.
PO 5.3 Landscaping provided in open space and recreation facilities maximises opportunities for casual surveillance throughout the park.	DTS/DPF 5.3 None are applicable.
PO 5.4 Fenced parks and playgrounds have more than one entrance or exit to minimise potential entrapment.	DTS/DPF 5.4 None are applicable.
PO 5.5 Adequate lighting is provided around toilets, telephones, seating, litter bins, bicycle storage, car parks and other such facilities.	DTS/DPF 5.5 None are applicable.
PO 5.6 Pedestrian and bicycle movement after dark is focused along clearly defined, adequately lit routes with observable entries and exits.	DTS/DPF 5.6 None are applicable.
Signage	
PO 6.1 Signage is provided at entrances to and within the open space and recreation facilities to provide clear orientation to major points of interest such as the location of public toilets, telephones, safe routes, park activities and the like.	DTS/DPF 6.1 None are applicable.
Buildings and Structures	
PO 7.1 Buildings and car parking areas in open space areas are designed, located and of a scale to be unobtrusive.	DTS/DPF 7.1 None are applicable.

PO 7.2 Buildings and structures in open space areas are clustered where practical to ensure that the majority of the site remains open.	DTS/DPF 7.2 None are applicable.
PO 7.3 Development in open space is constructed to minimise the extent of impervious surfaces.	DTS/DPF 7.3 None are applicable.
PO 7.4 Development that abuts or includes a coastal reserve or Crown land used for scenic, conservation or recreational purposes is located and designed to have regard to the purpose, management and amenity of the reserve.	DTS/DPF 7.4 None are applicable.
Landscaping	
PO 8.1 Open space and recreation facilities provide for the planting and retention of large trees and vegetation.	DTS/DPF 8.1 None are applicable.
PO 8.2 Landscaping in open space and recreation facilities provides shade and windbreaks: (a) along cyclist and pedestrian routes; (b) around picnic and barbecue areas; (c) in car parking areas.	DTS/DPF 8.2 None are applicable.
PO 8.3 Landscaping in open space facilitates habitat for local fauna and facilitates biodiversity.	DTS/DPF 8.3 None are applicable.
PO 8.4 Landscaping including trees and other vegetation passively watered with local rainfall run-off, where practicable.	DTS/DPF 8.4 None are applicable.

Out of Activity Centre Development

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO1	The role of Activity Centres in contributing to the form and pattern of development and enabling equitable and convenient access to a range of shopping, administrative, cultural, entertainment and other facilities in a single trip is maintained and reinforced.

Performance Outcomes and Deemed to Satisfy / Designated Performance Outcome Criteria

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
PO 1.1 Non-residential development outside Activity Centres of a scale and type that does not diminish the role of Activity Centres: (a) as primary locations for shopping, administrative, cultural, entertainment and community services (b) as a focus for regular social and business gatherings (c) in contributing to or maintaining a pattern of development that supports equitable community access to services and facilities.	DTS/DPF 1.1 None are applicable.

PO 1.2 Out-of-activity centre non-residential development complements Activity Centres through the provision of services and facilities: (a) that support the needs of local residents and workers, particularly in underserviced locations (b) at the edge of Activities Centres where they cannot readily be accommodated within an existing Activity Centre to expand the range of services on offer and support the role of the Activity Centre.	DTS/DPF 1.2 None are applicable.

Resource Extraction

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Resource extraction activities are developed in a manner that minimises human and environmental impacts.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Land Use and Intensity	
PO 1.1 Resource extraction activities minimise landscape damage outside of those areas unavoidably disturbed to access and exploit a resource and provide for the progressive reclamation and betterment of disturbed areas.	DTS/DPF 1.1 None are applicable.
PO 1.2 Resource extraction activities avoid damage to cultural sites or artefacts.	DTS/DPF 1.2 None are applicable.
Water Quality	
PO 2.1 Stormwater and/or wastewater from resource extraction activities is diverted into appropriately sized treatment and retention systems to enable reuse on site.	DTS/DPF 2.1 None are applicable.
Separation Treatments, Buffers and Landscaping	
PO 3.1 Resource extraction activities minimise adverse impacts upon sensitive receivers through incorporation of separation distances and/or mounding/vegetation.	DTS/DPF 3.1 None are applicable.
PO 3.2 Resource extraction activities are screened from view from adjacent land by perimeter landscaping and/or mounding.	DTS/DPF 3.2 None are applicable.

Site Contamination

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Ensure land is suitable for the proposed use in circumstances where it is, or may have been, subject to site contamination.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
PO 1.1 Ensure land is suitable for use when land use changes to a more sensitive use.	DTS/DPF 1.1 Development satisfies (a), (b), (c) or (d): (a) does not involve a change in the use of land (b) involves a change in the use of land that does not constitute a change to a more sensitive use (c) involves a change in the use of land to a more sensitive use on land at which site contamination is unlikely to exist (as demonstrated in a site contamination declaration form) (d) involves a change in the use of land to a more sensitive use on land at which site contamination exists, or may exist (as demonstrated in a site contamination declaration form), and satisfies both of the following: (i) a site contamination audit report has been prepared under Part 10A of the *Environment Protection Act 1993* in relation to the land within the previous 5 years which states that- A. site contamination does not exist (or no longer exists) at the land or B. the land is suitable for the proposed use or range of uses (without the need for any further remediation) or C. where remediation is, or remains, necessary for the proposed use (or range of uses), remediation work has been carried out or will be carried out (and the applicant has provided a written undertaking that the remediation works will be implemented in association with the development) and (ii) no other class 1 activity or class 2 activity has taken place at the land since the preparation of the site contamination audit report (as demonstrated in a site contamination declaration form).

Tourism Development

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Tourism development is built in locations that cater to the needs of visitors and positively contributes to South Australia's visitor economy.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
General	
PO 1.1 Tourism development complements and contributes to local, natural, cultural or historical context where: (a) it supports immersive natural experiences (b) it showcases South Australia's landscapes and produce (c) its events and functions are connected to local food, wine and nature.	DTS/DPF 1.1 None are applicable.
PO 1.2 Tourism development comprising multiple accommodation units (including any facilities and activities for use by guests and visitors) is clustered to minimise environmental and contextual impact.	DTS/DPF 1.2 None are applicable.
Caravan and Tourist Parks	
PO 2.1 Potential conflicts between long-term residents and short-term tourists are minimised through suitable siting and design measures.	DTS/DPF 2.1 None are applicable.
PO 2.2 Occupants are provided privacy and amenity through landscaping and fencing.	DTS/DPF 2.2 None are applicable.
PO 2.3 Communal open space and centrally located recreation facilities are provided for guests and visitors.	DTS/DPF 2.3 12.5% or more of a caravan park comprises clearly defined communal open space, landscaped areas and areas for recreation.
PO 2.4 Perimeter landscaping is used to enhance the amenity of the locality.	DTS/DPF 2.4 None are applicable.
PO 2.5 Amenity blocks (showers, toilets, laundry and kitchen facilities) are sufficient to serve the full occupancy of the development.	DTS/DPF 2.5 None are applicable.
PO 2.6 Long-term occupation does not displace tourist accommodation, particularly in important tourist destinations such as coastal and riverine locations.	DTS/DPF 2.6 None are applicable.
Tourist accommodation in areas constituted under the National Parks and Wildlife Act 1972	
PO 3.1 Tourist accommodation avoids delicate or environmentally sensitive areas such as sand dunes, cliff tops, estuaries, wetlands or substantially intact strata of native vegetation (including regenerated areas of native vegetation lost through bushfire).	DTS/DPF 3.1 None are applicable.
PO 3.2 Tourist accommodation is sited and designed in a manner that is	DTS/DPF 3.2 None are applicable.

subservient to the natural environment and where adverse impacts on natural features, landscapes, habitats and cultural assets are avoided.	
PO 3.3 Tourist accommodation and recreational facilities, including associated access ways and ancillary structures, are located on cleared (other than where cleared as a result of bushfire) or degraded areas or where environmental improvements can be achieved.	DTS/DPF 3.3 None are applicable.
PO 3.4 Tourist accommodation is designed to prevent conversion to private dwellings through: (a) comprising a minimum of 10 accommodation units (b) clustering separated individual accommodation units (c) being of a size unsuitable for a private dwelling (d) ensuring functional areas that are generally associated with a private dwelling such as kitchens and laundries are excluded from, or physically separated from individual accommodation units, or are of a size unsuitable for a private dwelling.	DTS/DPF 3.4 None are applicable.

Transport, Access and Parking

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	A comprehensive, integrated and connected transport system that is safe, sustainable, efficient, convenient and accessible to all users.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Movement Systems	
PO 1.1 Development is integrated with the existing transport system and designed to minimise its potential impact on the functional performance of the transport system.	DTS/DPF 1.1 None are applicable.
PO 1.2 Development is designed to discourage commercial and industrial vehicle movements through residential streets and adjacent other sensitive receivers.	DTS/DPF 1.2 None are applicable.
PO 1.3 Industrial, commercial and service vehicle movements, loading areas and designated parking spaces are separated from passenger vehicle car parking areas to ensure efficient and safe movement and minimise potential conflict.	DTS/DPF 1.3 None are applicable.
PO 1.4 Development is sited and designed so that loading, unloading and	DTS/DPF 1.4 All vehicle manoeuvring occurs onsite.

turning of all traffic avoids interrupting the operation of and queuing on public roads and pedestrian paths.	
Sightlines	
PO 2.1 Sightlines at intersections, pedestrian and cycle crossings, and crossovers to allotments for motorists, cyclists and pedestrians are maintained or enhanced to ensure safety for all road users and pedestrians.	DTS/DPF 2.1 None are applicable.
PO 2.2 Walls, fencing and landscaping adjacent to driveways and corner sites are designed to provide adequate sightlines between vehicles and pedestrians.	DTS/DPF 2.2 None are applicable.
Vehicle Access	
PO 3.1 Safe and convenient access minimises impact or interruption on the operation of public roads.	DTS/DPF 3.1 The access is: (a) provided via a lawfully existing or authorised driveway or access point or an access point for which consent has been granted as part of an application for the division of land or (b) not located within 6m of an intersection of 2 or more roads or a pedestrian activated crossing.
PO 3.2 Development incorporating vehicular access ramps ensures vehicles can enter and exit a site safely and without creating a hazard to pedestrians and other vehicular traffic.	DTS/DPF 3.2 None are applicable.
PO 3.3 Access points are sited and designed to accommodate the type and volume of traffic likely to be generated by the development or land use.	DTS/DPF 3.3 None are applicable.
PO 3.4 Access points are sited and designed to minimise any adverse impacts on neighbouring properties.	DTS/DPF 3.4 None are applicable.
PO 3.5 Access points are located so as not to interfere with street trees, existing street furniture (including directional signs, lighting, seating and weather shelters) or infrastructure services to maintain the appearance of the streetscape, preserve local amenity and minimise disruption to utility infrastructure assets.	DTS/DPF 3.5 Vehicle access to designated car parking spaces satisfy (a) or (b): (a) is provided via a lawfully existing or authorised access point or an access point for which consent has been granted as part of an application for the division of land (b) where newly proposed, is set back: (i) 0.5m or more from any street furniture, street pole, infrastructure services pit, or other stormwater or utility infrastructure unless consent is provided from the asset owner (ii) 2m or more from the base of the trunk of a street tree unless consent is provided from the tree owner for a lesser distance (iii) 6m or more from the tangent point of an intersection of 2 or more roads (iv) outside of the marked lines or infrastructure dedicating a pedestrian crossing.
PO 3.6 Driveways and access points are separated and minimised in number to optimise the provision of on-street visitor parking (where on-street parking is appropriate).	DTS/DPF 3.6 Driveways and access points: (a) for sites with a frontage to a public road of 20m or less, one access point no greater than 3.5m in width is provided

	(b) for sites with a frontage to a public road greater than 20m: (i) a single access point no greater than 6m in width is provided or (ii) not more than two access points with a width of 3.5m each are provided.
PO 3.7 Access points are appropriately separated from level crossings to avoid interference and ensure their safe ongoing operation.	DTS/DPF 3.7 Development does not involve a new or modified access or cause an increase in traffic through an existing access that is located within the following distance from a railway crossing: (a) 80 km/h road - 110m (b) 70 km/h road - 90m (c) 60 km/h road - 70m (d) 50km/h or less road - 50m.
PO 3.8 Driveways, access points, access tracks and parking areas are designed and constructed to allow adequate movement and manoeuvrability having regard to the types of vehicles that are reasonably anticipated.	DTS/DPF 3.8 None are applicable.
PO 3.9 Development is designed to ensure vehicle circulation between activity areas occurs within the site without the need to use public roads.	DTS/DPF 3.9 None are applicable.
Access for People with Disabilities	
PO 4.1 Development is sited and designed to provide safe, dignified and convenient access for people with a disability.	DTS/DPF 4.1 None are applicable.
Vehicle Parking Rates	
PO 5.1 Sufficient on-site vehicle parking and specifically marked accessible car parking places are provided to meet the needs of the development or land use having regard to factors that may support a reduced on-site rate such as: (a) availability of on-street car parking (b) shared use of other parking areas (c) in relation to a mixed-use development, where the hours of operation of commercial activities complement the residential use of the site, the provision of vehicle parking may be shared (d) the adaptive reuse of a State or Local Heritage Place.	DTS/DPF 5.1 Development provides a number of car parking spaces on-site at a rate no less than the amount calculated using one of the following, whichever is relevant: (a) Transport, Access and Parking Table 2 - Off-Street Vehicle Parking Requirements in Designated Areas if the development is a class of development listed in Table 2 and the site is in a Designated Area (b) Transport, Access and Parking Table 1 - General Off-Street Car Parking Requirements where (a) does not apply (c) if located in an area where a lawfully established carparking fund operates, the number of spaces calculated under (a) or (b) less the number of spaces offset by contribution to the fund.
Vehicle Parking Areas	
PO 6.1 Vehicle parking areas are sited and designed to minimise impact on the operation of public roads by avoiding the use of public roads when moving from one part of a parking area to another.	DTS/DPF 6.1 Movement between vehicle parking areas within the site can occur without the need to use a public road.
PO 6.2 Vehicle parking areas are appropriately located, designed and constructed to minimise impacts on adjacent sensitive receivers through measures such as ensuring they are attractively developed and landscaped, screen fenced, and the like.	DTS/DPF 6.2 None are applicable.
PO 6.3 Vehicle parking areas are designed to provide opportunity for	DTS/DPF 6.3 None are applicable.

integration and shared-use of adjacent car parking areas to reduce the total extent of vehicle parking areas and access points.	
PO 6.4 Pedestrian linkages between parking areas and the development are provided and are safe and convenient.	DTS/DPF 6.4 None are applicable.
PO 6.5 Vehicle parking areas that are likely to be used during non-daylight hours are provided with sufficient lighting to entry and exit points to ensure clear visibility to users.	DTS/DPF 6.5 None are applicable.
PO 6.6 Loading areas and designated parking spaces for service vehicles are provided within the boundary of the site.	DTS/DPF 6.6 Loading areas and designated parking spaces are wholly located within the site.
PO 6.7 On-site visitor parking spaces are sited and designed to be accessible to all visitors at all times.	DTS/DPF 6.7 None are applicable.
Undercroft and Below Ground Garaging and Parking of Vehicles	
PO 7.1 Undercroft and below ground garaging of vehicles is designed to enable safe entry and exit from the site without compromising pedestrian or cyclist safety or causing conflict with other vehicles.	DTS/DPF 7.1 None are applicable.
Internal Roads and Parking Areas in Residential Parks and Caravan and Tourist Parks	
PO 8.1 Internal road and vehicle parking areas are surfaced to prevent dust becoming a nuisance to park residents and occupants.	DTS/DPF 8.1 None are applicable.
PO 8.2 Traffic circulation and movement within the park is pedestrian friendly and promotes low speed vehicle movement.	DTS/DPF 8.2 None are applicable.
Bicycle Parking in Designated Areas	
PO 9.1 The provision of adequately sized on-site bicycle parking facilities encourages cycling as an active transport mode.	DTS/DPF 9.1 Areas and / or fixtures are provided for the parking and storage of bicycles at a rate not less than the amount calculated using Transport, Access and Parking Table 3 - Off Street Bicycle Parking Requirements.
PO 9.2 Bicycle parking facilities provide for the secure storage and tethering of bicycles in a place where casual surveillance is possible, is well lit and signed for the safety and convenience of cyclists and deters property theft.	DTS/DPF 9.2 None are applicable.
PO 9.3 Non-residential development incorporates end-of-journey facilities for employees such as showers, changing facilities and secure lockers, and signage indicating the location of the facilities to encourage cycling as a mode of journey-to-work transport.	DTS/DPF 9.3 None are applicable.
Corner Cut-Offs	
PO 10.1 Development is located and designed to ensure drivers can safely turn into and out of public road junctions.	DTS/DPF 10.1 Development does not involve building work, or building work is located wholly outside the land shown as Corner Cut-Off Area in the following diagram:

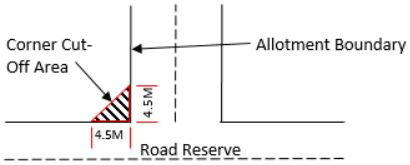
	
Heavy Vehicle Parking	
PO 11.1 Heavy vehicle parking and access is designed and sited so that the activity does not result in nuisance to adjoining neighbours as a result of dust, fumes, vibration, odour or potentially hazardous loads.	DTS/DPF 11.1 Heavy vehicle parking occurs in accordance with the following: (a) the site is not located within a Neighbourhood-type zone (except a Rural Living Zone) (b) the site is a minimum of 0.4 ha (c) where the site is 2 ha or more, no more than 2 vehicles exceeding 3,000 kilograms each (and trailers) are to be parked on the allotment at any time (d) where the site is between 0.4 ha and 2 ha, only one vehicle exceeding 3,000 kilograms (and one trailer) are to be parking on the allotment at any time (e) the vehicle parking area achieves the following setbacks: (i) behind the building line or 30m, whichever is greater (ii) 20m from the secondary street if it is a State Maintained Road (iii) 10m from the secondary street if it is a local road (iv) 10m from side and rear boundaries (f) parking and access areas (including internal driveways) should be sealed or have a surface that can be treated and maintained to minimise dust and mud nuisance (g) does not include refrigerated trailers or vehicles (h) vehicles only enter and exit the property in accordance with the following hours: (i) Monday to Saturday 6:00am and 9:30pm (ii) Sunday and public holidays between 9:30 am and 7:00 pm (i) the handling or trans-shipment of freight is not carried out on the property.
PO 11.2 Heavy vehicle parking ensures that vehicles can enter and exit a site safely and without creating a hazard to pedestrians and other vehicular traffic.	DTS/DPF 11.2 Heavy vehicles: (a) can enter and exit the site in a forward direction; and (b) operate within the statutory mass and dimension limited for General Access Vehicles (as prescribed by the National Heavy Vehicle Regulator).
PO 11.3 Heavy vehicle parking is screened through siting behind buildings, screening, landscaping or the like to obscure views from adjoining properties and public roads.	DTS/DPF 11.3 None are applicable.

Table 1 - General Off-Street Car Parking Requirements

The following parking rates apply and if located in an area where a lawfully established carparking fund operates, the number of spaces is reduced by an amount equal to the number of spaces offset by contribution to the fund.

Class of Development	Car Parking Rate (unless varied by Table 2 onwards)

	Where a development comprises more than one development type, then the overall car parking rate will be taken to be the sum of the car parking rates for each development type.
Residential Development	
Detached Dwelling	Dwelling with 1 bedroom (including rooms capable of being used as a bedroom) - 1 space per dwelling. Dwelling with 2 or more bedrooms (including rooms capable of being used as a bedroom) - 2 spaces per dwelling, 1 of which is to be covered.
Group Dwelling	Dwelling with 1 or 2 bedrooms (including rooms capable of being used as a bedroom) - 1 space per dwelling. Dwelling with 3 or more bedrooms (including rooms capable of being used as a bedroom) - 2 spaces per dwelling, 1 of which is to be covered. 0.33 spaces per dwelling for visitor parking where development involves 3 or more dwellings.
Residential Flat Building	Dwelling with 1 or 2 bedrooms (including rooms capable of being used as a bedroom) - 1 space per dwelling. Dwelling with 3 or more bedrooms (including rooms capable of being used as a bedroom) - 2 spaces per dwelling, 1 of which is to be covered. 0.33 spaces per dwelling for visitor parking where development involves 3 or more dwellings.
Row Dwelling where vehicle access is from the primary street	Dwelling with 1 bedroom (including rooms capable of being used as a bedroom) - 1 space per dwelling. Dwelling with 2 or more bedrooms (including rooms capable of being used as a bedroom) - 2 spaces per dwelling, 1 of which is to be covered.
Row Dwelling where vehicle access is not from the primary street (i.e. rear-loaded)	Dwelling with 1 or 2 bedrooms (including rooms capable of being used as a bedroom) - 1 space per dwelling. Dwelling with 3 or more bedrooms (including rooms capable of being used as a bedroom) - 2 spaces per dwelling, 1 of which is to be covered.
Semi-Detached Dwelling	Dwelling with 1 bedroom (including rooms capable of being used as a bedroom) - 1 space per dwelling. Dwelling with 2 or more bedrooms (including rooms capable of being used as a bedroom) - 2 spaces per dwelling, 1 of which is to be covered.
Aged / Supported Accommodation	
Retirement facility	Dwelling with 1 or 2 bedrooms (including rooms capable of being used as a bedroom) - 1 space per dwelling. Dwelling with 3 or more bedrooms (including rooms capable of being used as a bedroom) - 2 spaces per dwelling. 0.2 spaces per dwelling for visitor parking.
Supported accommodation	0.3 spaces per bed.
Residential Development (Other)	
Ancillary accommodation	No additional requirements beyond those associated with the main dwelling.
Residential park	Dwelling with 1 or 2 bedrooms (including rooms capable of being used as a bedroom) - 1 space per dwelling. Dwelling with 3 or more bedrooms (including rooms capable of being used as a bedroom) - 2 spaces per dwelling. 0.2 spaces per dwelling for visitor parking.
Student accommodation	0.3 spaces per bed.
Workers' accommodation	0.5 spaces per bed plus 0.2 spaces per bed for visitor parking.
Tourist	
Caravan and tourist park	Parks with 100 sites or less - a minimum of 1 space per 10 sites to be used for accommodation. Parks with more than 100 sites - a minimum of 1 space per 15 sites used for accommodation. A minimum of 1 space for every caravan (permanently fixed to the ground) or cabin.
Tourist accommodation other than a caravan and tourist park	1 car parking space per accommodation unit / guest room.
Commercial Uses	

Auction room/ depot	1 space per 100m2 of building floor area plus an additional 2 spaces.
Automotive collision repair	3 spaces per service bay.
Motor repair station	3 spaces per service bay.
Office	For a call centre, 8 spaces per 100m2 of gross leasable floor area In all other cases, 4 spaces per 100m2 of gross leasable floor area.
Retail fuel outlet	3 spaces per 100m2 gross leasable floor area.
Service trade premises	2.5 spaces per 100m2 of gross leasable floor area 1 space per 100m2 of outdoor area used for display purposes.
Shop (no commercial kitchen)	5.5 spaces per 100m2 of gross leasable floor area where not located in an integrated complex containing two or more tenancies (and which may comprise more than one building) where facilities for off-street vehicle parking, vehicle loading and unloading, and the storage and collection of refuse are shared. 5 spaces per 100m2 of gross leasable floor area where located in an integrated complex containing two or more tenancies (and which may comprise more than one building) where facilities for off-street vehicle parking, vehicle loading and unloading, and the storage and collection of refuse are shared.
Shop (in the form of a bulky goods outlet)	2.5 spaces per 100m2 of gross leasable floor area.
Shop (in the form of a restaurant or involving a commercial kitchen)	Premises with a dine-in service only (which may include a take-away component with no drive-through) - 0.4 spaces per seat. Premises with take-away service but with no seats - 12 spaces per 100m2 of total floor area plus a drive-through queue capacity of ten vehicles measured from the pick-up point. Premises with a dine-in and drive-through take-away service - 0.3 spaces per seat plus a drive through queue capacity of 10 vehicles measured from the pick-up point.
Community and Civic Uses	
Community facility	For a library, 4 spaces per 100m2 of total floor area. For a hall/meeting hall, 0.2 spaces per seat. In all other cases, 10 spaces per 100m2 of total floor area.
Educational facility	For a primary school - 1.1 space per full time equivalent employee plus 0.25 spaces per student for a pickup/set down area either on-site or on the public realm within 300m of the site. For a secondary school - 1.1 per full time equivalent employee plus 0.1 spaces per student for a pickup/set down area either on-site or on the public realm within 300m of the site. For a tertiary institution - 0.4 per student based on the maximum number of students on the site at any time.
Place of worship	1 space for every 3 visitor seats.
Child care facility	For a child care centre, 0.25 spaces per child In all other cases, 1 per employee plus 0.25 per child (drop off/pick up bays).
Health Related Uses	
Consulting room	4 spaces per consulting room excluding ancillary facilities.
Hospital	4.5 spaces per bed for a public hospital. 1.5 spaces per bed for a private hospital.
Recreational and Entertainment Uses	
Cinema complex	0.2 spaces per seat.
Concert hall / theatre	0.2 spaces per seat.
Hotel	1 space for every 2m2 of total floor area in a public bar plus 1 space for every 6m2 of total floor area available to the public in a lounge, beer garden plus 1 space per 2 gaming machines, plus 1 space per 3 seats in a restaurant.
Indoor recreation facility	6.5 spaces per 100m2 of total floor area for a Fitness Centre 4.5 spaces per 100m2 of total floor area for all other Indoor recreation facilities.

Industry/Employment Uses	
Fuel depot	1.5 spaces per 100m2 total floor area 1 spaces per 100m2 of outdoor area used for fuel depot activity purposes.
Industry	1.5 spaces per 100m2 of total floor area.
Store	0.5 spaces per 100m2 of total floor area.
Timber yard	1.5 spaces per 100m2 of total floor area 1 space per 100m2 of outdoor area used for display purposes.
Warehouse	0.5 spaces per 100m2 total floor area.
Other Uses	
Funeral Parlour	1 space per 5 seats in the chapel plus 1 space for each vehicle operated by the parlour.
Radio or Television Station	5 spaces per 100m2 of total building floor area.

Table 2 - Off-Street Car Parking Requirements in Designated Areas

The following parking rates apply in any zone, subzone or other area described in the 'Designated Areas' column.

Class of Development	Car Parking Rate Where a development comprises more than one development type, then the overall car parking rate will be taken to be the sum of the car parking rates for each development type.		Designated Areas
	Minimum number of spaces	Maximum number of spaces	
Development generally			
All classes of development	No minimum.	No maximum except in the Primary Pedestrian Area identified in the Primary Pedestrian Area Concept Plan, where the maximum is: 1 space for each dwelling with a total floor area less than 75 square metres 2 spaces for each dwelling with a total floor area between 75 square metres and 150 square metres 3 spaces for each dwelling with a total floor area greater than 150 square metres. Residential flat building or Residential component of a multi-storey building: 1 visitor space for each 6 dwellings.	Capital City Zone City Main Street Zone City Riverbank Zone Adelaide Park Lands Zone Business Neighbourhood Zone (within the City of Adelaide) The St Andrews Hospital Precinct Subzone and Women's and Children's Hospital Precinct Subzone of the Community Facilities Zone
Non-residential development			
Non-residential development excluding tourist accommodation	3 spaces per 100m2 of gross leasable floor area.	5 spaces per 100m2 of gross leasable floor area.	City Living Zone Urban Corridor (Boulevard) Zone Urban Corridor (Business) Zone Urban Corridor (Living) Zone Urban Corridor (Main Street) Zone Urban Neighbourhood Zone (except for Bowden, Brompton or Hindmarsh)
Non-residential development excluding tourist accommodation	3 spaces per 100m2 of gross leasable floor area.	6 spaces per 100m2 of gross leasable floor area.	Strategic Innovation Zone in the City of Burnside, City of Marion or City of Mitcham Strategic Innovation Zone outside the City of Burnside, City of Marion or City of Mitcham when the site is also in a high frequency public

			transit area Suburban Activity Centre Zone when the site is also in a high frequency public transit area Suburban Business Zone when the site is also in a high frequency public transit area Business Neighbourhood Zone outside of the City of Adelaide when the site is also in a high frequency public transit area Suburban Main Street Zone when the site is also in a high frequency public transit area Urban Activity Centre Zone
Non-residential development excluding tourist accommodation	3 spaces per 100 square metres of gross leasable floor area 1.5 spaces per 100 square metres of gross leasable floor area above ground floor level other than for a shop	3 spaces per 100 square metres of gross leasable floor area	Urban Neighbourhood Zone (in Bowden, Brompton or Hindmarsh)
Tourist accommodation	1 space for every 4 bedrooms up to 100 bedrooms plus 1 space for every 5 bedrooms over 100 bedrooms	1 space per 2 bedrooms up to 100 bedrooms and 1 space per 4 bedrooms over 100 bedrooms	City Living Zone Urban Activity Centre Zone when the site is also in a high frequency public transit area Urban Corridor (Boulevard) Zone Urban Corridor (Business) Zone Urban Corridor (Living) Zone Urban Corridor (Main Street) Zone Urban Neighbourhood Zone (except for Bowden, Brompton or Hindmarsh)
Residential development			
Residential component of a multi-storey building	Dwelling with no separate bedroom -0.25 spaces per dwelling 1 bedroom dwelling - 0.75 spaces per dwelling 2 bedroom dwelling - 1 space per dwelling 3 or more bedroom dwelling - 1.25 spaces per dwelling 0.25 spaces per dwelling for visitor parking.	None specified.	City Living Zone Strategic Innovation Zone in the City of Burnside, City of Marion or City of Mitcham Strategic Innovation Zone outside the City of Burnside, City of Marion or City of Mitcham when the site is also in a high frequency public transit area Urban Activity Centre Zone when the site is also in a high frequency public transit area Urban Corridor (Boulevard) Zone Urban Corridor (Business) Zone

			Urban Corridor (Living) Zone Urban Corridor (Main Street) Zone Urban Neighbourhood Zone (except for Bowden, Brompton or Hindmarsh)
Residential component of a multi-storey building	0.75 per dwelling	None specified	Urban Neighbourhood Zone (in Bowden, Brompton or Hindmarsh)
Residential flat building	Dwelling with no separate bedroom -0.25 spaces per dwelling 1 bedroom dwelling - 0.75 spaces per dwelling 2 bedroom dwelling - 1 space per dwelling 3 or more bedroom dwelling - 1.25 spaces per dwelling 0.25 spaces per dwelling for visitor parking.	None specified.	City Living Zone Urban Activity Centre Zone when the site is also in a high frequency public transit area Urban Corridor (Boulevard) Zone Urban Corridor (Business) Zone Urban Corridor (Living) Zone Urban Corridor (Main Street) Zone Urban Neighbourhood Zone (except for Bowden, Brompton or Hindmarsh)
Residential flat building	0.75 per dwelling	None specified	Urban Neighbourhood Zone (in Bowden, Brompton or Hindmarsh)
Detached dwelling	0.75 per dwelling	None specified	Urban Neighbourhood Zone (in Bowden, Brompton or Hindmarsh)
Row dwelling	0.75 per dwelling	None specified	Urban Neighbourhood Zone (in Bowden, Brompton or Hindmarsh)
Semi-detached dwelling	0.75 per dwelling	None specified	Urban Neighbourhood Zone (in Bowden, Brompton or Hindmarsh)

Table 3 - Off-Street Bicycle Parking Requirements

The bicycle parking rates apply within designated areas located within parts of the State identified in the Schedule to Table 3.

Class of Development	Bicycle Parking Rate Where a development comprises more than one development type, then the overall bicycle parking rate will be taken to be the sum of the bicycle parking rates for each development type.
Consulting room	1 space per 20 employees plus 1 space per 20 consulting rooms for customers.
Educational facility	For a secondary school - 1 space per 20 full-time time employees plus 10 percent of the total number of employee spaces for visitors.

	For tertiary education - 1 space per 20 employees plus 1 space per 10 full time students.
Hospital	1 space per 15 beds plus 1 space per 30 beds for visitors.
Indoor recreation facility	1 space per 4 employees plus 1 space per 200m2 of gross leasable floor area for visitors.
Licensed Premises	1 per 20 employees, plus 1 per 60 square metres total floor area, plus 1 per 40 square metres of bar floor area, plus 1 per 120 square metres lounge and beer garden floor area, plus 1 per 60 square metres dining floor area, plus 1 per 40 square metres gaming room floor area.
Office	1 space for every 200m2 of gross leasable floor area plus 2 spaces plus 1 space per 1000m2 of gross leasable floor area for visitors.
Child care facility	1 space per 20 full time employees plus 1 space per 40 full time children.
Recreation area	1 per 1500 spectator seats for employees plus 1 per 250 visitor and customers.
Residential flat building	Within the City of Adelaide 1 for every dwelling for residents with a total floor area less than 150 square metres, 2 for every dwelling for residents with a total floor area greater than 150 square metres, plus 1 for every 10 dwellings for visitors, and in all other cases 1 space for every 4 dwellings for residents plus 1 for every 10 dwellings for visitors.
Residential component of a multi-storey building	Within the City of Adelaide 1 for every dwelling for residents with a total floor area less than 150 square metres, 2 for every dwelling for residents with a total floor area greater than 150 square metres, plus 1 for every 10 dwellings for visitors, and in all other cases 1 space for every 4 dwellings for residents plus 1 space for every 10 dwellings for visitors.
Shop	1 space for every 300m2 of gross leasable floor area plus 1 space for every 600m2 of gross leasable floor area for customers.
Tourist accommodation	1 space for every 20 employees plus 2 for the first 40 rooms and 1 for every additional 40 rooms for visitors.

Schedule to Table 3

Designated Area	Relevant part of the State The bicycle parking rate applies to a designated area located in a relevant part of the State described below.
All zones	City of Adelaide
Business Neighbourhood Zone Strategic Innovation Zone Suburban Activity Centre Zone Suburban Business Zone Suburban Main Street Zone Urban Activity Centre Zone Urban Corridor (Boulevard) Zone Urban Corridor (Business) Zone Urban Corridor (Living) Zone Urban Corridor (Main Street) Zone Urban Neighbourhood Zone	Metropolitan Adelaide

Waste Treatment and Management Facilities

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Mitigation of the potential environmental and amenity impacts of waste treatment and management facilities.

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
Siting	
PO 1.1 Waste treatment and management facilities incorporate separation distances and attenuation measures within the site between waste operations areas (including all closed, operating and future cells) and sensitive receivers and sensitive environmental features to mitigate off-site impacts from noise, air and dust emissions.	DTS/DPF 1.1 None are applicable.
Soil and Water Protection	
PO 2.1 Soil, groundwater and surface water are protected from contamination from waste treatment and management facilities through measures such as: (a) containing potential groundwater and surface water contaminants within waste operations areas (b) diverting clean stormwater away from waste operations areas and potentially contaminated areas (c) providing a leachate barrier between waste operations areas and underlying soil and groundwater.	DTS/DPF 2.1 None are applicable.
PO 2.2 Wastewater lagoons are set back from watercourses to minimise environmental harm and adverse effects on water resources.	DTS/DPF 2.2 Wastewater lagoons are set back 50m or more from watercourse banks.
PO 2.3 Wastewater lagoons are designed and sited to: (a) avoid intersecting underground waters; (b) avoid inundation by flood waters; (c) ensure lagoon contents do not overflow; (d) include a liner designed to prevent leakage.	DTS/DPF 2.3 None are applicable.
PO 2.4 Waste operations areas of landfills and organic waste processing facilities are set back from watercourses to minimise adverse impacts on water resources.	DTS/DPF 2.4 Waste operations areas are set back 100m or more from watercourse banks.
Amenity	
PO 3.1 Waste treatment and management facilities are screened, located and designed to minimise adverse visual impacts on amenity.	DTS/DPF 3.1 None are applicable.
PO 3.2 Access routes to waste treatment and management facilities via residential streets is avoided.	DTS/DPF 3.2 None are applicable.
PO 3.3 Litter control measures minimise the incidence of windblown litter.	DTS/DPF 3.3 None are applicable.
PO 3.4 Waste treatment and management facilities are designed to minimise adverse impacts on both the site and surrounding areas from weed and vermin infestation.	DTS/DPF 3.4 None are applicable.
Access	

PO 4.1 Traffic circulation movements within any waste treatment or management site are designed to enable vehicles to enter and exit the site in a forward direction.	DTS/DPF 4.1 None are applicable.
PO 4.2 Suitable access for emergency vehicles is provided to and within waste treatment or management sites.	DTS/DPF 4.2 None are applicable.
Fencing and Security	
PO 5.1 Security fencing provided around waste treatment and management facilities prevents unauthorised access to operations and potential hazard to the public.	DTS/DPF 5.1 Chain wire mesh or pre-coated painted metal fencing 2m or more in height is erected along the perimeter of the waste treatment or waste management facility site.
Landfill	
PO 6.1 Landfill gas emissions are managed in an environmentally acceptable manner.	DTS/DPF 6.1 None are applicable.
PO 6.2 Landfill facilities are separated from areas of environmental significance and land used for public recreation and enjoyment.	DTS/DPF 6.2 Landfill facilities are set back 250m or more from a public open space reserve, forest reserve, national park or Conservation Zone.
PO 6.3 Landfill facilities are located on land that is not subject to land slip.	DTS/DPF 6.3 None are applicable.
PO 6.4 Landfill facilities are separated from areas subject to flooding.	DTS/DPF 6.4 Landfill facilities are set back 500m or more from land inundated in a 1% AEP flood event.
Organic Waste Processing Facilities	
PO 7.1 Organic waste processing facilities are separated from the coast to avoid potential environment harm.	DTS/DPF 7.1 Organic waste processing facilities are set back 500m or more from the coastal high water mark.
PO 7.2 Organic waste processing facilities are located on land where the engineered liner and underlying seasonal water table cannot intersect.	DTS/DPF 7.2 None are applicable.
PO 7.3 Organic waste processing facilities are sited away from areas of environmental significance and land used for public recreation and enjoyment.	DTS/DPF 7.3 Organic waste processing facilities are set back 250m or more from a public open space reserve, forest reserve, national park or a Conservation Zone.
PO 7.4 Organic waste processing facilities are located on land that is not subject to land slip.	DTS/DPF 7.4 None are applicable.
PO 7.5 Organic waste processing facilities separated from areas subject to flooding.	DTS/DPF 7.5 Organic waste processing facilities are set back 500m or more from land inundated in a 1% AEP flood event.
Major Wastewater Treatment Facilities	
PO 8.1 Major wastewater treatment and disposal systems, including lagoons, are designed to minimise potential adverse odour impacts on sensitive receivers, minimise public and environmental health risks and protect water quality.	DTS/DPF 8.1 None are applicable.
PO 8.2	DTS/DPF 8.2

Artificial wetland systems for the storage of treated wastewater are designed and sited to minimise potential public health risks arising from the breeding of mosquitoes.	None are applicable.

Workers' accommodation and Settlements

Assessment Provisions (AP)

Desired Outcome (DO)

Desired Outcome	
DO 1	Appropriately designed and located accommodation for seasonal and short-term workers in rural areas that minimises environmental and social impacts.

Performance Outcomes (PO) and Deemed-to-Satisfy (DTS) Criteria / Designated Performance Feature (DPF)

Performance Outcome	Deemed-to-Satisfy Criteria / Designated Performance Feature
PO 1.1 Workers' accommodation and settlements are obscured from scenic routes, tourist destinations and areas of conservation significance or otherwise designed to complement the surrounding landscape.	DTS/DPF 1.1 None are applicable.
PO 1.2 Workers' accommodation and settlements are sited and designed to minimise nuisance impacts on the amenity of adjacent users of land.	DTS/DPF 1.2 None are applicable.
PO 1.3 Workers' accommodation and settlements are built with materials and colours that blend with the landscape.	DTS/DPF 1.3 None are applicable.
PO 1.4 Workers' accommodation and settlements are supplied with service infrastructure such as power, water and effluent disposal sufficient to satisfy the living requirements of workers.	DTS/DPF 1.4 None are applicable.

No criteria applies to this land use. Please check the definition of the land use for further detail.