

# NOTICE OF AN APPLICATION FOR PLANNING PERMIT

The land affected by the application is located at: 12 Hagenauer Lane, Benalla, Lot 3, LP61283, Parish of Benalla

The application is for a permit to: Subdivide the land into 5 lots

The applicant for the permit is: Mrs Stacey Cole Onley Consulting The application reference number is: P0029/24 DA7640

Any person who may be affected by the granting of the permit may object or make other submissions to the responsible authority.

An objection must:

- \* be made to the responsible authority in writing;
- \* include the reasons for the objection; and
- \* state how the objector would be affected.

The responsible authority must make a copy of every objection available at its office for any person to inspect during office hours free of charge until the end of the period during which an application may be made for review of a decision on the application.

The Responsible Authority will not decide on the application before: 24 May 2024

If you object, the Responsible Authority will tell you its decision.



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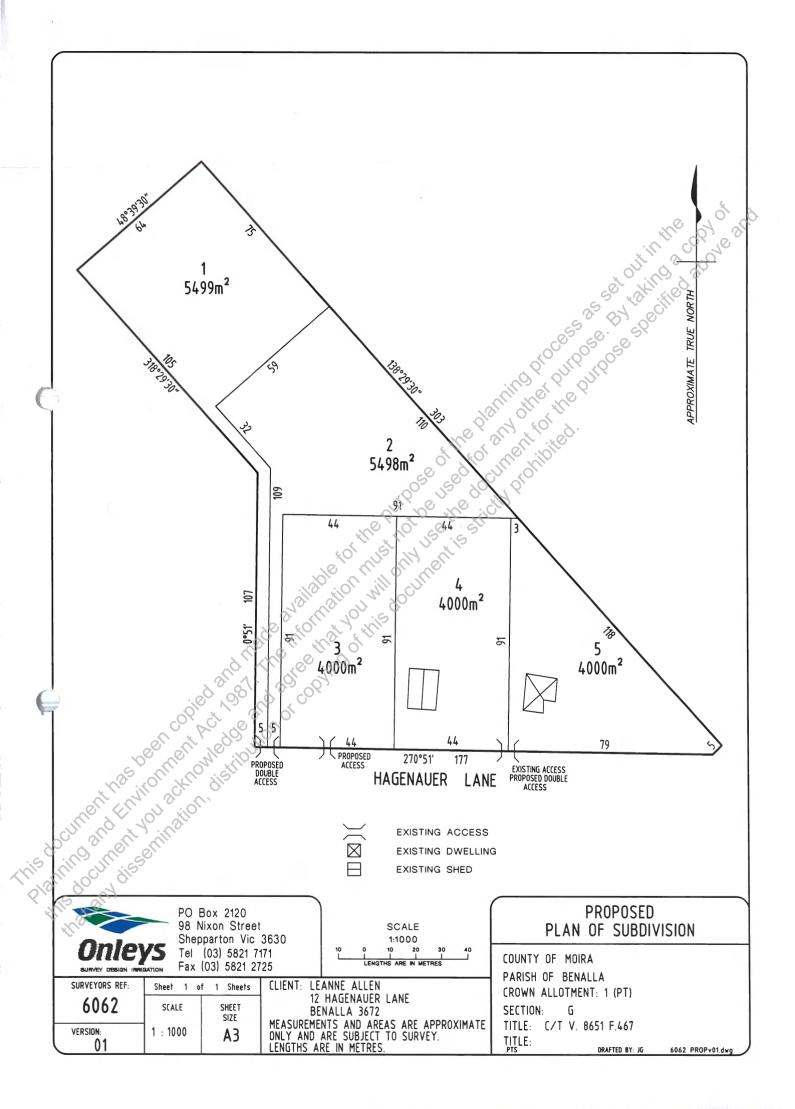
### Application for Planning Permit for a Subdivision

Supplied by	Stacey Cole	
Submitted Date	13/03/2024	
Application Details		the of
Application Type	Planning Permit	for a Subdivision
	Version 1	storing of
Applicant Reference Number	6062	SS tartillo
Responsible Authority Name	Benalla Rural Cit	y Council
Responsible Authority Reference Number(s)	(Not Supplied)	Con con con
SPEAR Reference Number	S227035S	0,00,05
Application Status	Submitted	ON WO
Planning Permit Issue Date	NA	× ,
Planning Permit Expiry Date	NAJONOT	for a Subdivision
The Land	Etho Callent	. Teo
Primary Parcel	12 HAGENAUEF	
	Lot 3/Plan LP612	
- JIP	Volume 8651/Fo SPI 3\LP61283	lio 467
	CPN A4604	
tor the the	Just Zone:	32.03 Low Density Residential
Planning Permit Expiry Date The Land Primary Parcel The Proposal Plan Number Number of lots Proposal Description Estimated cost of the development for which a permit is re	Une Overlay:	44.04 Land Subject to Inundation
The Proposal		
Plan Number	(Not Supplied)	
Number of lots	5	
Proposal Description	5 Lot Subdivisior	1
Estimated cost of the development for which a permit is re	quired \$ 0	1
Existing Conditions Existing Conditions Description	•	
Existing Conditions Existing Conditions Description	The site is least	ed at 12 Hagenauer Lane,
		located within the
the will got of		ect of the Benalla Township,
		7 kilometres from the central
CUIL OF A SING		of Benalla. The allotment in
or the second		n irregular shape, with the ary having a largefrontage to
all which		e, with the remaining
(1, 70, 19,	Boundaries all a	
is all		perties. The allotment currently
		droom dwelling and associated
K.	-	s established access to e. The land currently has access
		ons but is devoid of sewer
		is a combination of native and

The site is located at 12 Hagenauer Lane, Benalla, which is located within the northeasternaspect of the Benalla Township, approximately 2.7 kilometres from the central shoppingdistrict of Benalla. The allotment in question is of ran irregular shape, with the southern boundary having a largefrontage to Hagenauer Lane, with the remaining Boundaries all adjoining neighbouringproperties. The allotment currently supports a 3-bedroom dwelling and associated sheddingthat has established access to Hagenauer Lane. The land currently has access to mostconnections but is devoid of sewer services. There is a combination of native and exoticvegetation on the site. The neighbouring surrounds are residential in nature to the north,

Road zoned Industrial 1, but at his stage is not highly developed in thismanner. Title Information - Does the proposal breach an encumbrance on The proposal does not breach an encumbrance Title? on title, such as a restrictive covenant, section 173 agreement or other obligation such as an easement or building envelope. **Applicant Contact Applicant Contact** Mrs Stacey Cole **Onley** Consulting 98 Nixon Street, Shepparton, VIC, 3630 Business Phone: 0358217171 Email: stacey@onleys.com.au Applicant

west and east with the areasouth of Hagenauer





From www.planning.vic.gov.au at 12 March 2024 11:33 AM



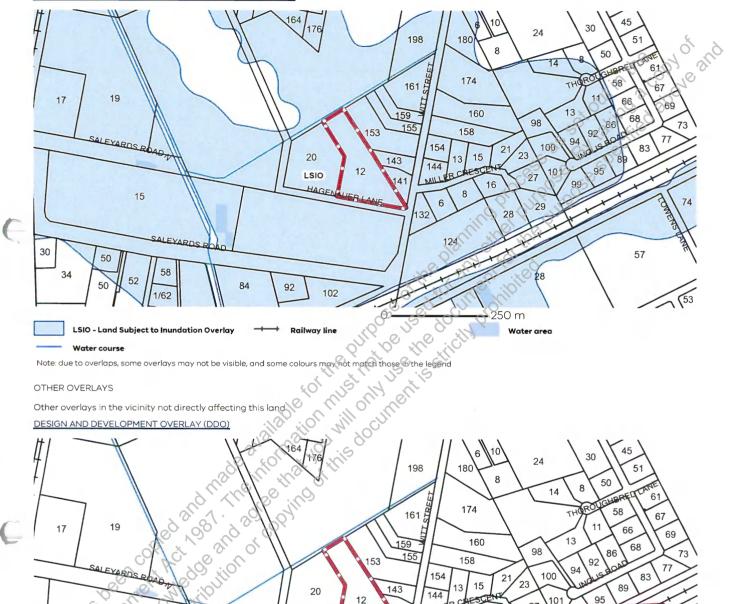
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### **Planning Overlays**

LAND SUBJECT TO INUNDATION OVERLAY (LSIO) LAND SUBJECT TO INUNDATION OVERLAY SCHEDULE (LSIO)



15

250 m

Water area

13

8

144

MIL

132

6

124

143

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12

20

HAGEN

102

**Railway** line

Water course

90

30

34

Note: due to overlaps, some overlays may not be visible, and some colours may not match those in the legend

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92

WIFORT

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254

52

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YAD

10<sup>(</sup>)

58

1/62

DDO - Design and Development Overlay

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DDO



### **Further Planning Information**

Planning scheme data last updated on 7 December 2023.

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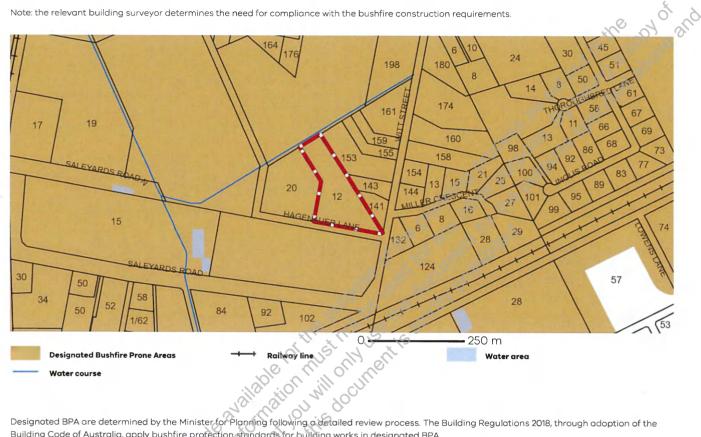


### Designated Bushfire Prone Areas

This parcel is in a designated bushfire prone area. Special bushfire construction requirements apply to the part of the property mapped as a designated bushfire prone area (BPA). Planning provisions may apply.

Where part of the property is mapped as BPA, if no part of the building envelope or footprint falls within the BPA area, the BPA construction requirements do not apply

Note: the relevant building surveyor determines the need for compliance with the bushfire construction requirements.



Building Code of Australia, apply bushfire protection standards for building works in designated BPA.

Designated BPA maps can be viewed on VicPlan at https://mapshare.vic.gov.au/vicplan/ or at the relevant local council.

Create a BPA definition plan in <u>VicPlan</u> to measure the BPA.

Information for lot owners building in the BPA is available at <u>https://www.planning.vic.gov.au</u>.

Further information about the building control system and building in bushfire prone areas can be found on the Victorian Building Authority website https://www.vba.vic.gov.au. Copies of the Building Act and Building Regulations are available from http://www.legislation.vic.gov.au. For Planning Scheme Provisions in bushfire areas visit https://www.planning.vic.gov.au. conme

### Native Vegetation

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Native plants that are indigenous to the region and important for biodiversity might be present on this property. This could include trees, shrubs, herbs, grasses or aquatic plants. There are a range of regulations that may apply including need to obtain a planning permit under Clause 52.17 of the local planning scheme. For more information see Native Vegetation (Clause 52.17) with local variations in Native Vegetation (Clause 52.17) Schedule

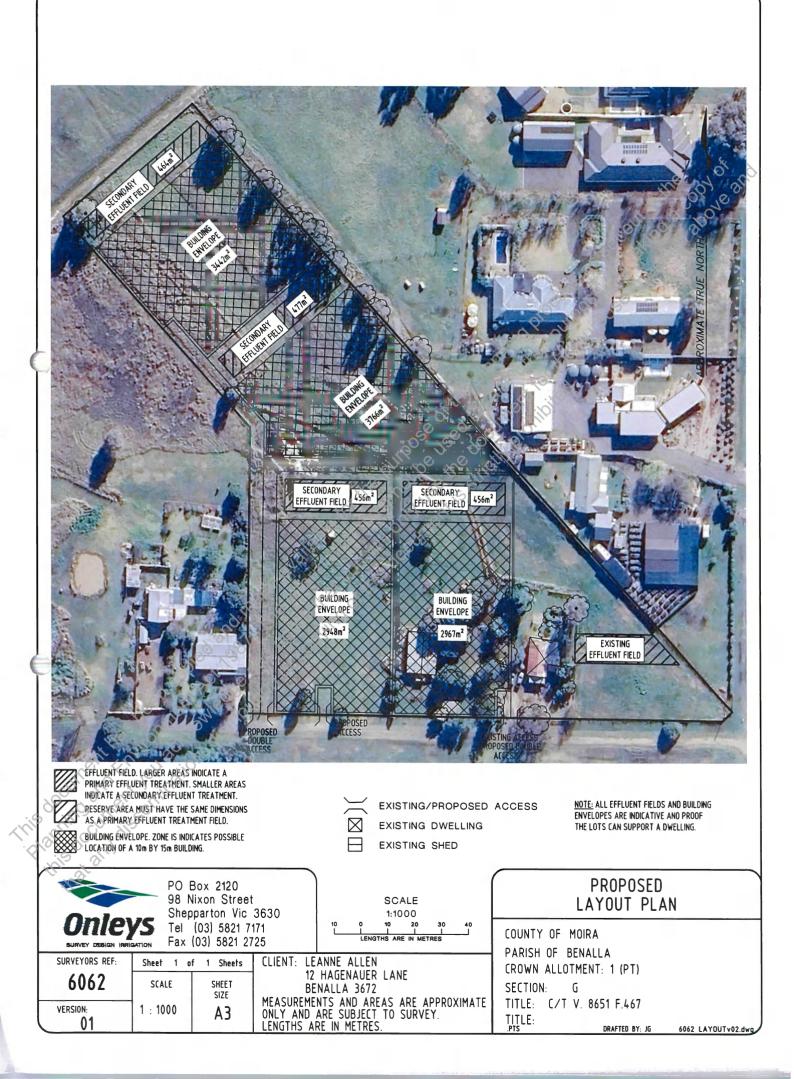
To help identify native vegetation on this property and the application of Clause 52.17 please visit the Native Vegetation Information Management system <u>https://nvim.delwp.vic.gov.au/</u>and <u>Native vegetation (environment.vic.gov.au)</u> or please contact your relevant council.

You can find out more about the natural values on your property through NatureKit <u>NatureKit (environment.vic.gov.au)</u>

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PLANNING PROPERTY REPORT: Lot 3 LP61283



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# Contents

1	1.0	APPLICATION	2
	1.1	INTRODUCTION	2
	1.2	INTRODUCTION PLANNING SCHEME REQUIREMENTS	
	1.3	SUMMARY	
	2.0	NOMINATED SITE & LOCALITY	30
	2.1	SITE SUMMARY	
	2.2	SURROUNDING LOCALITY	
	3.0	PROPOSAL	5
	3.1	SITE LAYOUT	6
T	4.0	PLANNING ASSESSMENT	6
	4.1	SITE LAYOUT PLANNING ASSESSMENT PLANNING POLICY FRAMEWORK	7
	4.2	ZONING	12
	4.3	OVERLAYS Error! Bookmark no	t defined.
	PAF	RTICULAR PROVISIONS	17
	5.0	CONCLUSION	22
1			
	at has be	PROPOSAL SITE LAYOUT SITE LAYOUR SITE LAYO	

# **1.0 APPLICATION**

### 1.1 INTRODUCTION

This report has been prepared by Onleys on behalf of our client and landowners in support of a planning permit application seeking approval for a 5 Lot Subdivision of land. The subject land parcels are located at 12 Hagenauer Lane, Benalla being Lot 3 on PS061283. The subject lot is zoned Low Density Residential Zone and is impacted by a Land Subject to Inundation Overlay.

### **1.2 PLANNING SCHEME REQUIREMENTS**

Under the Benalla Shire Planning Scheme, a proposal of this nature generates a planning permit requirement addressing the following provision.

 Clause 32.03-3 of the Low Density Residential Zone indicates a permit is required to subdivide land.

### 1.3 SUMMARY

The site in question is a 2.299-hectare allotment located on the north side of Hagenauer Lane, in the northeast area of the Benalla Township. The lot is zoned Low Density Residential and is impacted by a land subject to inundation overlay.

The intention of this proposal is to subdivide the 2.299 hectares, into five residential based lots sized between 4000m<sup>2</sup> & 5499m<sup>2</sup>, all with independent access to Hagenauer Lane.

The report addresses how the proposal meets the following requirements of the Moira Planning Scheme.

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# 2.0 NOMINATED SITE & LOCALITY

### 2.1 SITE SUMMARY

The site is located at 12 Hagenauer Lane, Benalla, which is located within the northeastern aspect of the Benalla Township, approximately 2.7 kilometres from the central shopping district of Benalla.

The allotment in question is of ran irregular shape, with the southern boundary having a large frontage to Hagenauer Lane, with the remaining Boundaries all adjoining neighbouring properties. The allotment currently supports a 3-bedroom dwelling and associated shedding that has established access to Hagenauer Lane. The land currently has access to most connections but is devoid of sewer services. There is a combination of native and exotic vegetation on the site.

The neighbouring surrounds are residential in nature to the north, west and east with the area south of Hagenauer Road zoned Industrial 1, but at his stage is not highly developed in this manner.



Lot 3 on LP61283

Figure 1 – Aerial Image of Subject Site

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### 2.2 SURROUNDING LOCALITY

The allotment is in the northeast aspect of the Benalla Township. The immediate surrounding area is zoned for General Residential, Industrial Zone, Transport Zone 3 and a nearby Transport Zone 2.

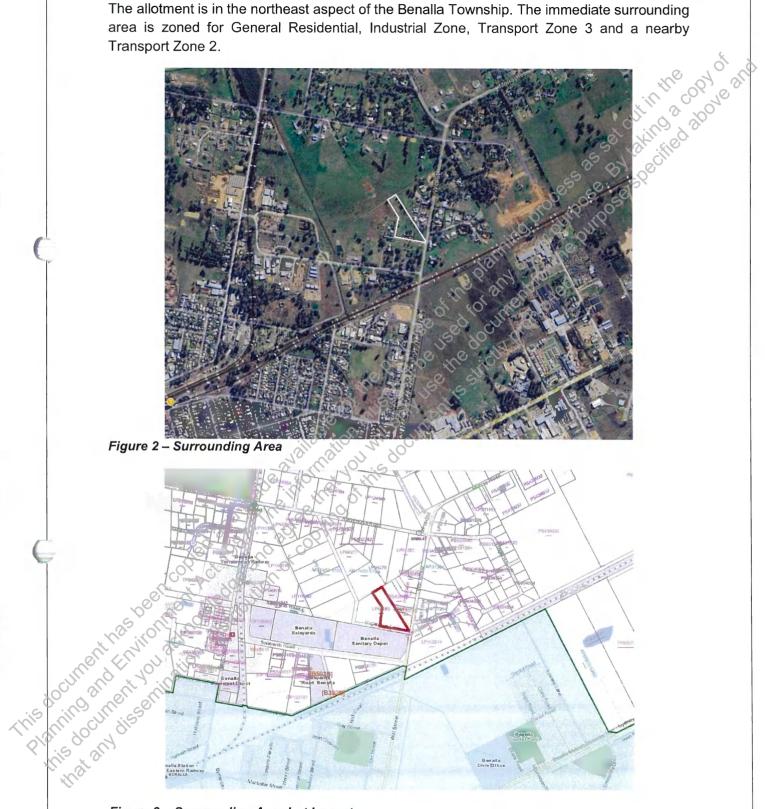


Figure 3 – Surrounding Area Lot Layout

### 3.0 PROPOSAL

	auer Lane, comprising of a c ential Zone. The proposed LP61283. Area (m²)	combined 2.299 hectares. The site is zoned as Low subdivision will comprise of the creation of 5 lots Orientation
1	5499	Southwest Facing
	5498	Southwest Facing
3	4000	South Facing
4	4000	South Facing
5	4000	South Facing
		Orientation         Southwest Facing         Southwest Facing         South Facing
/		* ( )9 .9

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5498m<sup>2</sup>

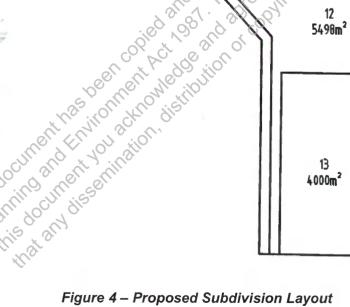
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4000m<sup>2</sup>

14

4000m<sup>2</sup>

15 4000m<sup>2</sup>



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Page 5 of 23

# **3.1 SITE LAYOUT**

The proposed subdivision creates 5 new lots from the original allotment. The allotments will either have a south or southwest facing orientation with independent access for each allotment copy of and from Hagenauer Lane, Benalla. The design for this development factors in the integration of street network, and relevant utilities to effectively service this proposal.

### **4.0 PLANNING ASSESSMENT**

The application is assessed against the following provisions of the Moira Shire Planning Scheme. 65 6. 65

	Section	Clause #	Provision
	General Provisions		0 0 50
	Planning Policy Framework		all of all
		2.01	Context
		2.02	Vision Q a 40 A
		02.03-1	Settlement
		02.03-6	Housing
		11.01-1S	Settlement
		11.02-3S	Sequencing of Development
		12.01-1S	Protection of Biodiversity
ſ		12.05-25	Landscapes
		13.02-1S	Bushfire Planning
		13.04-1S	Contaminated and potentially
		10° 1° 10'	contaminated land
		15.01-35	Subdivision design
Ī	Particular Provisions	10000	
Ī	Zones	Dr. C. M. C.	
ſ	1. S	32.03	Low Density Residential Zone
	2 Martho	65.02	Decision Guidelines - Subdivision
	Overlays	di	
	0 00 70	44.04	Land Subject to Inundation Overlay
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	Overlays		

Page 6 of 23

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# 4.1 PLANNING POLICY FRAMEWORK

### Clause 2.01 Context

Benalla Rural City covers an area of 2354 square kilometres, has a population of 14,020 (VIF 2019) and is situated in Victoria's northeast approximately 180 kilometres from Melbourne. The urban centre of Benalla is the major city and supports a network of smaller towns including. Baddaginnie, Goorambat, Devenish, Swanpool, Tatong, Thoona and Winton.

Benalla Rural City is a diverse rural municipality based on the Broken River. It also includes fertile agricultural land along the Hollands Creek which is a major tributary to the Broken River.

The major water features are the Broken River, Hollands Creek, Winton Wetlands, Lake Nillahcootie and Lake Benalla. The wetlands, river corridors, Mount Samaria State Park, Reef Hills State Park and parts of the Warby Ranges State Park form the major environmental features and, along with roadsides, support most of the remaining native vegetation.

The municipality is strategically located on the nationally significant Hume and Midland Highways and Melbourne to Sydney Railway. This convergence of transport routes means Benalla is a significant transport hub which is a major benefit to local industry.

The economy is focussed on Benalla's regional centre role, agricultural production, tourism and manufacturing. It is dominated by employment in the manufacturing, retail trade, agriculture and health and community services sectors.

The Benalla Central Business District (CBD) serves a large rural hinterland and provides a wide range of higher order community services and facilities but faces strong competition from Shepparton and Wangaratta.

The municipality has a strong industrial base located to the north and east of Benalla. The industries are generally based on specialist manufacturing, processing of timber products, value adding to agricultural produce and providing a service base for the region.

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.ieas of ne major a .ng, with some .aculture and forest. The rural areas of the municipality are acknowledged for good soils and access to irrigation water. The major agricultural industries are prime lamb, beef production and broad acre cropping, with some irrigation and dairying. More recent agricultural uses include viticulture, horticulture and forestry.

### Clause 2.02 Vision

A sustainable, thriving and cohesive community where lifestyle, culture, health and wellbeing are supported by strong leadership and community partnership.

### Clause 2.03-1 Settlement

**Benalla** (pop 10,430 (VIF 2019)) is the major urban centre of the municipality, and provides the focus for most residential, commercial, retail and industrial opportunities. The Benalla CBD includes a traditional strip shopping centre along a main road and suffers from pedestrian and vehicular conflicts and retail fragmentation.

Benalla's central location in regional Victoria attracts regional offices for government departments and modern education facilities including the Goulburn Ovens Institute of TAFE.

Enterprise Park provides the bulk of industrial opportunities while Benalla has the capacity to accommodate larger industry that requires buffers to the north of town.

Benalla is situated on Lake Benalla, which is a significant natural feature of local and regional importance. Development at the interface with the lake environs needs to be carefully assessed and have regard to urban and landscape character including views.

### Clause 2.03-6 Housing

Ageing population and decreasing household size requires the provision of a greater diversity in dwelling options. Medium density housing should maintain the character of residential areas and be located close to services. There is a high demand for supported accommodation for older people, particularly hostel and retirement housing.

The municipality has attracted residents to non-urban areas due to the ease of access from major population centres, attractive landscape and environment, lifestyle qualities and improved telecommunications. This form of land use can affect agricultural activities by inhibiting the operation of farming activities raising the value of land above agriculture levels.

Rural residential living must be planned in locations that support existing communities and settlements, supplied with physical and community services, and not detract from agricultural or other land uses.

In managing housing, Council seeks to:

- Encourage a diverse housing mix that meets the changing demographics of the community, including medium density housing, standard residential development, low density residential and rural living development.
- Support planned rural residential opportunities whilst minimising environmental or agricultural impacts.

Page 8 of 23

Response: The proposal supports the intent of this clause in that it is a subdivision that will create rural residential opportunities in an area identified by Council as suitable for this style of development.

### Clause 11.01-1S Settlement

This clause is of relevance to promote the sustainable growth and development of Victoria and deliver choice and opportunity for all Victorians through a network of settlements.

Strategies that are relevant to the proposal include:

- Develop sustainable communities through a settlement framework offering convenient access to jobs, services, infrastructure and community facilities.
- Support sustainable development of the regional centres of Ararat, Bacchus Marsh, Bairnsdale, Benalla, Castlemaine, Colac, Echuca, Gisborne, Hamilton, Kyneton, Leongatha, Maryborough, Portland, Sale, Swan Hill, Warragul/Drouin and Wonthaggi.
- Ensure regions and their settlements are planned in accordance with their relevant regional growth plan.
- Guide the structure, functioning and character of each settlement taking into account municipal and regional contexts and frameworks.
- Provide for growth in population and development of facilities and services across a regional or sub-regional network.

Response: The proposed subdivision is consistent with the above policies as it will create low density residential style allotments within the Council's Low Density Residential Zone. Opportunities for low density and rural living style developments were also identified in the Benalla Urban Growth Strategy of 2019.

### Clause 11.02-3S Sequencing of Development

This clause is of relevance to this application as its objective is to manage the sequence of development in areas of growth so that services are available from early in the life of new communities.

Strategies that are relevant to the proposal include:

- Define preferred development sequences in areas of growth to better coordinate infrastructure planning and funding.
- Ensure that new land is released in areas of growth in a timely fashion to facilitate coordinated and cost-efficient provision of local and regional infrastructure.
- Require new development to make a financial contribution to the provision of infrastructure such as community facilities, public transport, and roads.
- Improve the coordination and timing of infrastructure and service delivery in areas of growth.
- Support opportunities to co-locate facilities.
- Ensure that planning for water supply, sewerage and drainage works receives high priority in early planning for areas of growth.

Response: The proposed site is in the existing Low Density Residential area of Benalla with the immediate neighbouring are to the north also being developed into larger allotments

A full range of services including power, potable water, gas, and telecommunications are readily accessible to the site.

### **Clause 12.01-1S Protection of Biodiversity**

This clause is of relevance as it seeks to assist the protection and conservation of Victoria's 3 COQ Biodiversity.

Strategies relevant to the proposal include:

- Use biodiversity information to identify important areas of biodiversity, including key habitat for rare or threatened species and communities, and strategically valuable biodiversity sites.
- Strategically plan for the protection and conservation of Victoria's important areas of biodiversity.
- Ensure that decision making takes into account the impacts of land use and development on Victoria's biodiversity, including consideration of:
  - o Cumulative impacts.
  - o Fragmentation of habitat.
  - o The spread of pest plants, animals, and pathogens into natural ecosystems.
  - Avoid impacts of land use and development on important areas of biodiversity.

Response: The proposed allotments have a selection of Native & Exotic Vegetation, which are not proposed to be removed as part of this application.

### Clause 12.05-2S Landscapes

This clause is of relevance as it seeks to protect and enhance significant landscapes and open spaces that contribute to character, identity, and sustainable environments.

The strategies associated with this objective include:

- Ensure significant landscape areas such as forests, the bays and coastlines are protected.
- Ensure development does not detract from the natural qualities of significant landscape areas.
- Improve the landscape qualities, open space linkages and environmental performance in significant landscapes and open spaces, including green wedges, conservation areas and non-urban areas.
- Recognise the natural landscape for its aesthetic value and as a fully functioning system.

Ensure important natural features are protected and enhanced.

Response: The proposed lots have been appropriately sited and designed. The new lots will be developed to minimise the extent of cut and fill by seeking to develop appropriate lot sizes.

Page 10 of 23

### Clause 13.02-1S Bushfire Planning

This objective of this clause is to strengthen the resilience of settlements and communities to bushfire through risk based planning that prioritises the protection of human life.

This policy must be applied to all planning and decision making under the Planning and , 3 COPY OF Environment Act 1987 relating to land that is:

- Within a designated bushfire prone area.
- Subject to a Bushfire Management Overlay; or
- Proposed to be used or developed in a way that may create a bushfire hazard

Response: The proposed subdivision will meet the objectives of Clause 13.02 1S. The site will have access to a constant water supply, and fire breaks, if required can be managed during the construction phase of the subdivision.

Notwithstanding, the proposal will meet the relevant regulations in accordance with the CFA Act 1958.

Standard conditions relating to the CFA guidelines can also be included subject to any permit issued.

### Clause 15.01-3S Subdivision Design

<u></u>

This clause is relevant to the proposal as its objective is to ensure the design of subdivisions achieves attractive, safe, accessible, diverse, and sustainable neighbourhoods.

The strategies in support of this objective include;

- Creating compact neighbourhoods that have walkable distances between activities.
- Creating urban places with a strong sense of place that are functional, safe and attractive.
- Providing a range of lot sizes to suit a variety of dwelling and household types to meet the needs and aspirations of different groups of people.
- Facilitating an urban structure where neighbourhoods are clustered to support larger activity centres served by high quality public transport. с<sup>0</sup>

Jt, Joning and L Access to Hag, Current Fride Access to Hag, C Response: The proposed subdivision layout is consistent with the Low Density Residential Zoning and utilises existing road infrastructure with all lots being designed to have direct access to Hagenauer Lane.

Page 11 of 23

## 4.2 ZONING

### **Clause 32.03 Low Density Residential Zone**

in the above and The subject land is located within the Low Density Residential Zone as shown in Figure 4 below. Clause 32.03-3 of the Low Density Residential Zone indicates a planning permit is required to subdivide land. The purposes of the Low Density Residential Zone include:

- To implement the Municipal Planning Strategy and the Planning Policy Framework. •
- To provide for low-density residential development on lots which, in the absence of reticulated sewerage, can treat and retain all wastewater.

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Response: The proposed development is consistent with the intention of the zone in that it is a low-density residential development within a designated Low Density Residential Zone.

### Clause 32.08 -13 - Decision Guidelines

	,		
		The Municipal Planning Strategy and the	The proposal is considered to be consistent
		Planning Policy Framework	with Planning Policy Framework in that it will
			contribute to the Low Density Residential
			Zone.
		The protection and enhancement of the	The proposal is consistent with the purpose
		natural environment and character of the	of the zone, in particular providing low-
		area including the retention of vegetation	density residential development on lots
		and faunal habitat and the need to plant	which, in the absence of reticulated
		vegetation along waterways, gullies,	sewerage, can treat and retain all
		ridgelines and property boundaries. $^{\circ\circ}$	wastewater. A Land Capability Statement
		no there into	accompanies this application.
1	-	The availability and provision of utility	None Applicable
E	7	services, including sewerage, water,	
		drainage, electricity and	
		telecommunications.	
		In the absence of reticulated sewerage:	A Land Capability assessment accompanies
		Co. KI Dis	this application, demonstrating that the
	ocument	<ul> <li>The capability and suitability of the</li> </ul>	treatment of all effluent can be dealt with
	ning and	V lot to treat and retain all wastewater	within the confines of each proposed
	OCC SI	as determined by a Land Capability	development.
.9		Assessment on the risks to human	
$\bigcirc$	11, 000	health and the environment of an	
2	is al	on-site wastewater management	
	S. S.	system constructed, installed, or	
	AL.	<ul> <li>The capability and suitability of the lot to treat and retain all wastewater as determined by a Land Capability Assessment on the risks to human health and the environment of an on-site wastewater management system constructed, installed, or altered on the lot in accordance</li> </ul>	
		with the requirements of the	
		Environment Protection Regulations	

Page 12 of 23

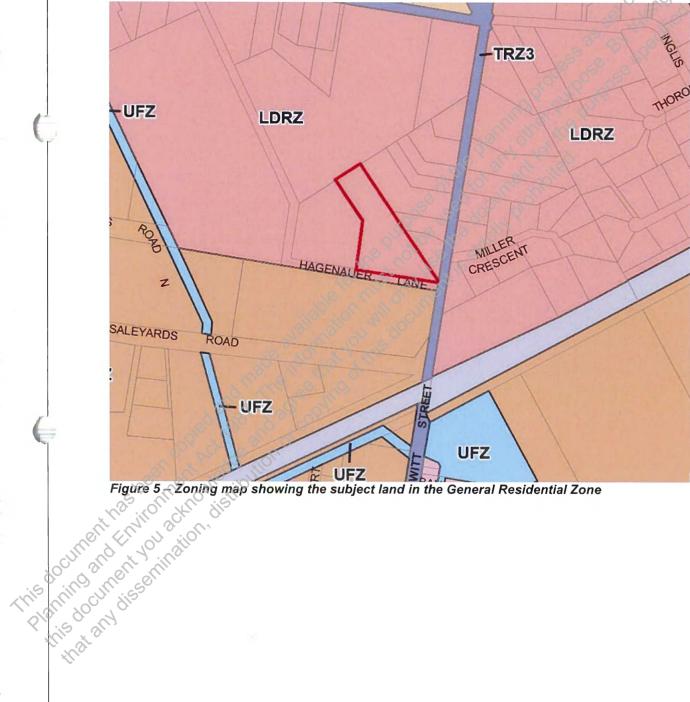
<ul> <li>under the Environment Protection Act 2017.</li> <li>The benefits of restricting the size of lots to generally no more than 2 hectares to enable lots to be efficiently maintained without the need for agricultural techniques and equipment.</li> </ul>	which the opy of and	~
The relevant standards of Clauses 56.07-1 to 56.07-4.	Addressed later in this report.	

# Clause 65.02 – Decision Guidelines Application to Subdivide Land

Ç	The suitability of the land for subdivision.	The land is suitable for subdivision and is located in a Low Density Residential Zone.
	The existing use and possible future	The allotment currently supports an older
	development of the land and nearby land.	dwelling, supporting shedding and yards. The proposal will create allotments of similar size to the Low Density Residential Land immediately to the north and
		northeast of this development.
	The availability of subdivided land in the	The Benalla Urban Growth Strategy
	locality, and the need for the creation of further lots.	identifies current zoned land that is suitable for Low Density and Rural Living
	locality, and the need for the creation of further lots.	opportunities, which this development adheres to.
	The effect of development on the use or	The proposed development will not have an
¢	development of other land which has a common means of drainage	adverse effect on the common means of drainage.
Inent	The subdivision pattern having regard to the physical characteristics of the land including existing vegetation	The proposal creates allotments of size that are demonstrated to sustain a building envelope and supporting effluent treatment field without adversely impacting on native vegetation
This anning and	The density of the proposed development. The area and dimensions of each lot in the	The density of the proposal is consistent with the surrounding areas of the northeast area of the Benalla Township.
This al	The area and dimensions of each lot in the subdivision.	The lots range from 4000m <sup>2</sup> to 5499m <sup>2.,</sup>

The layout of roads ha		The development will create 5 allotments all
function and relations	nip to existing roads	with independent access to Hagenauer Lane.
The movement of ped	estrians and vehicles	All lots will have independent access to
throughout the subdivi access to all lots	sion and the ease of	Hagenauer Lane.
The provision and loca	ation of reserves for	The development is with 2.5 kilometres of
public open space and	d other community	the Benalla Racecourse and the
facilities.		surrounding sporting facilities. It is also felt
		that given the size of the proposed
		allotments, walking access to local parks is
		not as detrimental as it would be in a residential based development.
		ani noi no
The staging of the sub	division.	The proposal is not a staged subdivision.
The design and siting	of buildings having	N/A still a chaile
regard to safety and th	ne risk of spread of	e d'i curri d'il
fire.		N/A
The provision of off-sti	reet parking.	The proposed allotment sizes are
	at the st	considered adequate for off street parking
	Neto Mus	for each allotment
The provision and loca	ation of common	Common Property does not form part of this
property.	2 8 2 CT X YOUNE	application.
The functions of any b	ody corporate.	A body corporate is not proposed as part of
and	The ree ins	this development.
The availability and pr		The proposed subdivision will include the
services, including wa		provision of all available utilities.
drainage, electricity, a	nd gas.	
If the land is not sewe	red and no provision	A Land Capability Statement confirming all
has been made for the	e land to be sewered,	effluent can be treated within the confines
the capacity of the lan		of each title is supplied with this application.
all sewage and sullage		
the capacity of the lan all sewage and sullage boundaries of each lot Whether, in relation to native vegetation can subdivision and siting		
Whether, in relation to	subdivision plans,	As all lots are in excess of 4000m <sup>2</sup> . No
native vegetation can subdivision and siting	be protected through	native vegetation will be deemed lost as
subdivision and siting	of open space areas.	part of this application.

The impact the development will have on The development utilizes the existing the current and future development and council road infrastructure, with all operation of the transport system. allotments having access to Hagenauer Lane. The current Benalla public transport 0010 te 200 infrastructure does not service this section of Benalla.





Page 15 of 23

d'

### **4.3 OVERLAYS**

### Clause 44.04 Land Subject to Inundation Overlay (LSIO)

3 2007 0 210 The subject site is affected by a Land Subject to Inundation Overlay (LSIO) as shown in Figure 7 below.

The purpose of this overlay is:

- To implement the Municipal Planning Strategy and the Planning Policy Framework.
- To identify land in a flood storage or flood fringe area affected by the in 100-year • flood or any other area determined by the floodplain management authority)
- To ensure that development maintains the free passage and temporary storage of floodwaters, minimises flood damage, is compatible with the flood hazard and local drainage conditions and will not cause any significant rise in flood level or flow velocity.
- To minimise the potential flood risk to life, health and safety associated with development.
- To reflect any declaration under Division 4 of Part 10 of the Water Act, 1989 where a declaration has been made.
- To protect water quality in accordance with the provisions of relevant State Environment Protection Policies, particularly in accordance with Clauses 33 and 35 of the State Environment Protection Policy (Waters of Victoria).
- To ensure that development maintains or improves river and wetland health, waterway • protection and flood plain health.

Pursuant to Clause 44.04-3 A permit is required to subdivide land.

.a. -3 A pert , osed subdivisio efore will have no ne Response: The proposed subdivision is not proposing new development, only a change in cadastre and therefore will have no new impact on the Land Subject to Inundation Overlay.

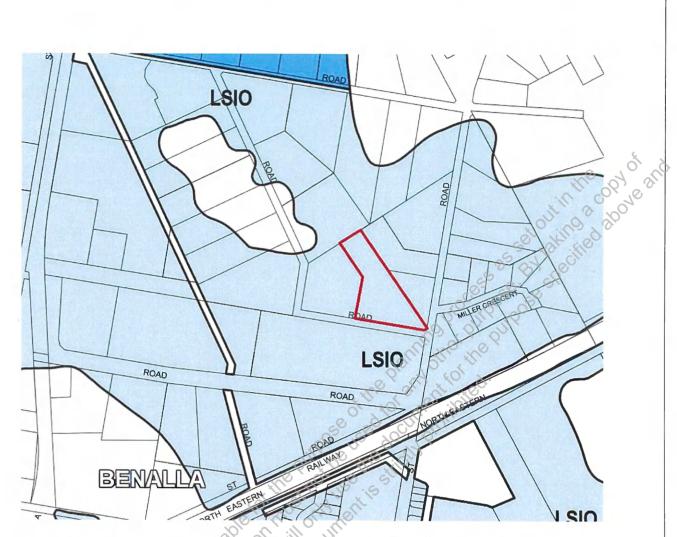


Figure 6 – Overlay map showing the land is subject to a Land Subject to Inundation Overlay

# PARTICULAR PROVISIONS

## **Clause 56 Residential Subdivision**

Pursuant to Clause 32,08-3, an application to subdivide land must meet the requirements of must be assessed against all except Clauses 56.02-1, 56.03-1 to 56.03-4, 56.05-2, 56.06-1, 56.06-3 56.06-6 Siuse 3 Sinust be assess 56.06-3 56.06-6 The follow The following table provides an assessment against the applicable clauses.

et that any diss

Page 17 of 23

Clause 56.07-1	Standard C22	Complies
Vigai	The supply of drinking water must be:	The drinking water infrastructure will be designed and connected to the
To reduce the use of drinking	Designed and constructed in accordance with the requirements and to the satisfaction of the relevant water	standards of the relevant water authority.
water.	o authority.	
To provide an adequate, cost-	<ul> <li>Provided to the boundary of all lots in the subdivision to the conference the relevant under submitted.</li> </ul>	
effective supply of drinking water.	king the satisfaction of the relevant water authority	
Clause 56.07-2	Standard C23	Not Applicable:
Reused and recycled water	Reused and recycled water supply systems must be:	The use of reused or recycled water is
objective	<ul> <li>Designed constructed and managed in accordance with</li> </ul>	not part of the development plan.
To provide for the substitution	the requirements and to the satisfaction of the relevant	
of drinking water for non-	water authority, Environment Protection Authority and	
drinking purposes with reused	Department of Health and Human Services	
and recycled water.	Provided to the boundary of all tots in the subdivision	
	where required by the relevant water authority.	
Clause 56.07-3	Standard C24	Complies.
Wastewater management	Wastewater systems must be:	The wastewater infrastructure will be
objective	ン す	designed and connected to the
To provide a wastewater	ments and to the satisfaction of the relevant	standards of the relevant water authority.
m that is adec	water authority and the Environment Protection Authority.	
maintenance of public health		
and the management of		

		<b>Complies.</b> The stormwater infrastructure will be designed and connected to the standards of the relevant water authority.	process as process of the process of	Page 19 of 23
	effluent in an environmentally • Consistent with any relevant approved domestic friendly manner. wastewater management plan. Reticulated wastewater systems must be provided to the boundary of all lots in the subdivision where required by the relevant water authority.	<ul> <li>Standard C25</li> <li>The stormwater management system must be:</li> <li>Designed and managed in accordance with the stequirements and to the satisfaction of the relevant drainage authority.</li> <li>Designed and managed in accordance with the requirements and to the satisfaction of the value with the value authority.</li> </ul>	e current best practice performant water quality as contained in th - Best Practice Environment delines (Victorian Stormwate e that flows downstream of th estricted to pre-development leve wes are approved by the releva and there are no detriment	downstream impacts.
his ocument Planning out	effluent in an environmentally friendly manner.	Clause 56.07-4 Stormwater management objectives To minimise damage to properties and inconvenience to residents from stormwater. To ensure that the street	operates adequately utility major storm events and provides for public safety. To minimise increases in stormwater and protect the environmental values and physical characteristics of receiving waters from degradation by stormwater.	To encourage stormwater management that maximises the retention and reuse of

<ul> <li>Providing attractive and enjoyable spaces.</li> <li>Providing attractive and enjoyable spaces.</li> <li>The stormwater management system should be integrated with the overall development plan including the street and public open space.</li> <li>For all storm events up to and including the 20% Average Exceedance Probability (AEP) standard:</li> <li>Stormwater flows should be contained within the drainage system to the requirements of the relevant authority.</li> <li>Ponding on roads should not occur for longer than 1 hour after the cessation of rainfall.</li> <li>For storm events greater than 20% AEP and up to and including 1% AEP standard:</li> <li>Provision must be made for the state and effective passage of stormwater flows.</li> <li>All new loss should be free from inuffation or to a lesser standard of flood protection, where agreed by the felevant floodplain management authority.</li> <li>The works of production in the state and Vave-agreed by the relevant authority.</li> <li>The design of the local drainage network should:</li> </ul>	at	th Bh	Je		u		2	e e	er		ec. Dillo				Page 20 of 23
	<ul> <li>Designed to contribute to cooling, improving local habitat</li> <li>and providing attractive and enjoyable spaces.</li> </ul>	he stormwater management system should be integrated with the overall development plan including the street and public oper	oace networks and landscape design. or all storm events up to and including the 20% Averag	<ul><li>xceedance Probability (AEP) standard:</li><li>Stormwater flows should be contained within the drainage</li></ul>	<ul> <li>system to the requirements of the relevant authority.</li> <li>Ponding on roads should not occur for longer than 1 hou</li> </ul>	after the cessation of rainfall.	% AEP standard:	<ul> <li>Provision must be made for the safe and effective passage of stormwater flows.</li> </ul>	<ul> <li>All new lots should be free from inundation or to a lesse standard of flood protection, where agreed by the relevan</li> </ul>	floodplain management authority.	Ensure th subject to	m2 /s (where, da= average depth in metres and Vave-	average velocity in metres per second).	he design of the local drainage network should:	

			Page 21 of 23
C	ded to a standard required by uthority. d with drainage to a standard	<ul> <li>acceptable to the relevant drainage authority. Wherever possible, stormwater should be directed to the front of the lot and discharged into the street drainage system or legal point of discharge into the street drainage system or legal point of discharge into account the effects of obstructions and debris build up. Any surcharge drainage pit should discharge into an overland flow in a safe and predetermined manner.</li> <li>Include water sensitive urban design features to manage stormwater in streets and public open space. Where such features are provided, an application must describe maintenance responsibilities, requirements, and constructed in accordance with the requirements of the relevant floodplain management authority.</li> </ul>	ocess 25 BY pecti ocess 25 BY pecti prine purpose spect
	<ul> <li>Ensure stormwater is retarc the responsible drainage au</li> <li>Ensure every lot is provided</li> </ul>	<ul> <li>acceptable to the relevant drainage authority. Wherever possible, stormwater should be directed to the front of the lot and discharged into the street drainage system or legal point of discharge.</li> <li>Ensure that inlet and outlet structures take into account the effects of obstructions and debris build up. Any surcharge drainage pit should discharge into an overland flow in a safe and predetermined manner.</li> <li>Include water sensitive urban design features to manage stormwater in streets and public open space. Where such features are provided, an application must describe maintenance responsibilities, requirements, and costs. Any flood mitigation works must be designed and constructed in accordance with the requirements of the relevant floodplain management authority.</li> </ul>	
This are	that any series and the series of the series	tion	

### **5.0 CONCLUSION**

The proposal for the subdivision of land at 12 Hagenauer Lane, Benalla represents a thorough and contextual design response that provides a Low Density Residential subdivision in a natural landscape character setting.

Pecified above and In summary, it is submitted that the proposal is a positive response to the site context and is strongly supported by the Benalla Planning Framework. In particular:

- The proposed subdivision is consistent with the Pathat this land is identified as Patha
- The proposal complies with the relevant objectives and standards of Clause 56.
- The proposed subdivision provides an appropriate design response to the constraints of the land having regard to the environmental site conditions including slope, native vegetation, land subject to inundation, and potentially contaminated land.
- The proposed subdivision will not impact on areas of Aboriginal Cultural Heritage Significance. 15°

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# Land Capability Assessment 12 Hagenauer Lane, Benalla

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### Land Capability Assessment

### 12 Hagenauer Lane, Benalla

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For and on behalf of A.C. Geotechnical Pty Ltd

ABN: 74 624 767 700 P.O Box 539 Beaconsfield Vic 3807

Accreditation Experience

Land Capability Assessment for On-site Wastewater Management Certificate CET, 2015 10 years' experience in geotechnical engineering and environmental assessments, with a focus on wastewater management across all states of Australia.

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### 1. **SUMMARY**

The following summary table should be read in conjunction with the entire report.

Soils characteristics	4 Bedroom dwelling	900 L/day
Soil catagony	Horizon A	
Soil category	3b Loam	5b Light clay
Indicative permeability	0.5-1.5 m/d	0.06-0.12 m/d
Critical site features	Proposed small lot size.	on Overlay
	<ul> <li>Low permeable slay soils.</li> </ul>	S + M + KO
	<ul> <li>Land subject to inundatio</li> </ul>	on Overlay
Minimum treatment requirements		Secondary
Disposal system	Suitability	Area required
Absorption trenches	Not suitable	A/N/A
Subsurface Irrigation	Suitable	440 m <sup>2</sup>
ETA Beds	Suitable	225 m <sup>2</sup>
Mound	Suitable	225 m <sup>2</sup>
Wastewater can be sus	tainably disposed to land	Yes
Absorption trenches Subsurface Irrigation ETA Beds Mound Wastewater can be sus Wastewater can be sus Mound Wastewater can be sus Absorption trenches Mound Mastewater can be sus Absorption trenches Mound Mastewater can be sus Absorption trenches Mound Mastewater can be sus Absorption trenches Mound Mastewater can be sus Mound Mastewater can be sus Mastewater can be sus Mound Mastewater can be sus Mastewater can be sus Ma	valla atto u Mi doce	



**Table of Contents** 

	1. SUMMARY	in a so
	1. SUMMARY	
	2. INTRODUCTION:	
	2.1 Proposed Development:	
	3. SITE DESCRIPTION:	
	3.1 Site Location:	
	3.2 Site Topography and Condition:	5
	3.4       Site Geology:         4.       SOIL ASSESSMENT AND CONSTRAINTS:	
~	4. Soil ASSESSMENT AND CONSTRAINTS:	······ /
	<ul> <li>4.1 Soil Profile:</li> <li>4.2 Site Exposure:</li> <li>4.3 Soil Assessment:</li> </ul>	/
	4.2 Site Exposure.	······/ o
	<ul> <li>4.3 Soll Assessment:</li></ul>	۰۵ و
	4.4 Field Assessed Permeability	۵
	4.5 Critical site Features:	
	5. LAND CAPABILITY ASSESSMENT MATRIX	10
	6. MANAGEMENT PROGRAM:	13
	6.1 Treatment System:	
	6.1.1 Aerated Wastewater Treatment System (AWTS):	
	6.1.2 Sand Filters:	
	6.2 Treatment System Location:	13
	6.2.1 Septic Tank Sizing:	
	6.3 Land Application	14
	6.3.1 Disposal systems:	
	6.4 Land Application Outputs:	15
2	6.5 Proposed Wastewater Envelope	15
	6.6 Existing Open Spoon Drain:	
	6.7 Designated Area:	16
	6.7.1 Setback Distances:	17
	6.8 Soil Renovation:	
	6.9 Monitoring, Operation and Maintenance:	
	6.9.1 Storm Water Management:	
C'	7. CONCLUSIONS:	
$\cdot \circ$	<ul> <li>6.6 Existing Open Spoon Drain:</li> <li>6.7 Designated Area:</li> <li>6.7.1 Setback Distances:</li> <li>6.8 Soil Renovation:</li> <li>6.9 Monitoring, Operation and Maintenance:</li> <li>6.9.1 Storm Water Management:</li> <li>7. CONCLUSIONS:</li> <li>8. REFERENCES:</li> </ul>	
900		
00 10		



### **INTRODUCTION:** 2.

A.C. Geotechnical Pty Ltd (AC) have been engaged to undertake a Land Capability Assessment (LCA) for the proposed subdivision of 12 Hagenauer Lane, Benalla

The objectives of the assessment was to determine the following:

- Sub-surface ground profile and geological setting.
- The depth to groundwater (if encountered).
- The permeability of the soil profile.

21. 20, 03

- The capability of the proposed lots to sustainably manage wastewater within the allotment boundaries.
- A minimum wastewater envelope size for each proposed lot.
- A general management program for each proposed lot that should be put into place to minimise health and environmental impacts of on-site wastewater management, including the impact on surface water and groundwater.

#### 2.1 **Proposed Development:**

It is proposed to subdivide the site into 5 lots with sizes ranging from 4000 m<sup>2</sup> m to 5499 m<sup>2</sup>.

For the purpose of this assessment, a design wastewater load for a four (4) bedroom dwelling without water saving fixtures has been used to calculate the minimum AA size for each proposed lot.

#### SITE DESCRIPTION: 3.

# 3.1 Site Location:

uneo voltavitor must my brneo Fr The subject site is located on the corner of Hagenauer Lane and Witt Street. The site is surrounded by similar size properties, the assumed and use of these properties is summarised in Table 3.1.

North	Low density residential	
South Contraction	Low density residential	
East	Low density residential	
West V C N in	Low density residential	

# Site Topography and Condition:

The site is a triangular shape on the north side of Hagenauer Lane. The site contains an existing dwelling and multiple outbuilds. An open drain runs through the centre of the site.

Vegetation on the site comprises open pasture and scattered mature trees.

Site photographs are included in Appendix B.

Copy of and



# 3.3 Key Site Information:

A summary of site characteristic and wastewater loading are included in Table 3.3.

ite Address	12 Hagenauer Lane, Benalla
Owner/Applicant	LK & SA Pty Ltd
ocal Council	Benalla
oning	Low Density Residential (LDRZ)
otal Land Area	Approximately 2.32 ha Subdivided to lots between 4000 m <sup>2</sup> and 5499 m <sup>2</sup>
Oomestic Water Supply	Reticulated/Tank
Anticipated wastewater loads (Litres/day)	12 Hagenauer Lane, Benalla         LK & SA Pty Ltd         Benalla         Low Density Residential (LDRZ)         Approximately 2.32 ha         Subdivided to lots between 4000 m² and 5499 m²         Reticulated/Tank         EPA Code of practice - onsite wastewater management (2016)         Household without water reduction fixtures         180 L / person / day.         Persons = no. bedrooms + 1 (4 + 1 = 5 persons)         Design wastewater load.         5 x 180 = 900 L / day         EPA Code of practice - onsite wastewater management (2016)         60 g per person per day
Organic Material Loading Design Rates	EPA Code of practice - onsite wastewater management (2016) 60 g per person per day (5 x 60) = 300 g/day
vailability of sewer	Sewer is not likely to become available to this area in the near future
Groundwater Quality	Groundwater is classified as Brackish (1000 - 3500 mg/L TDS) <u>www.vvg.org.au</u>
Vater Table	Local registered bores in the area suggest the ground water is held approximately 10 m below the surface
limate	Average annual rainfall 623.3 mm
lood Potential	Land subject to inundation Overlay
Vater catchment area	N/A
Proximity to waterways	N/A
Vater catchment area Proximity to waterways /egetation Exposure	Pasture, scattered mature trees
ixposure	Generally open
loge It Y III'	Relatively level
andform	Plains
rosion Potential	Negligible.
urface Drainage	Good
Rocks and Rock Outcrop	None



# 3.4 Site Geology:

According to the Geological Survey of Victoria, the site is in an area of Quaternary aged alluvial deposits belonging to Shepparton Formation. An extract from GeoVic 3 is included in **Figure 3.4**.

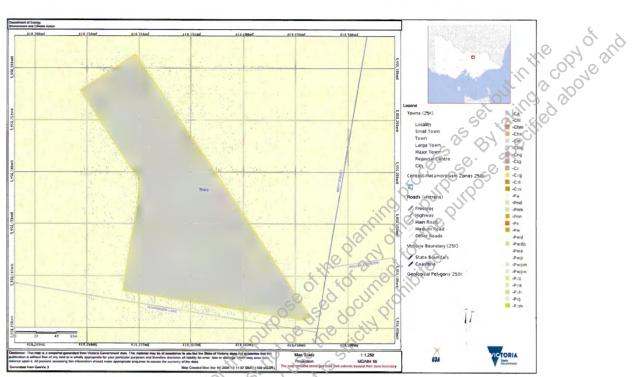


Figure 3.4 Extract of Geological from GeoVic 3

# 4. SOIL ASSESSMENT AND CONSTRAINTS:

# 4.1 Soil Profile:

The soil profile encountered during the investigation consisted of pale brown silt overlaying medium plasticity, brown, silty clay

The critical soil horizon are the medium plasticity silty clay.

No groundwater was encountered during this investigation. No abnormal moisture conditions were identified through this assessment.

Borelogs are included in Appendix C.

# 4.2 Site Exposure:

A general assessment of the site exposure is as follows:

The site is exposed to the prevailing winds. The proposed effluent disposal areas are generally exposed to sun and wind all year round.



# 4.3 Soil Assessment:

Laboratory analysis on each sample collected included the following:

- Texture Analysis using ribboning technique.
- Modified Emerson Analysis.
- Electrical Conductivity.
- pH analysis. •

C

Table 4.3 -Summary of so	bil assessment		25 St att file
BORE HOLE 1	SAMPLE DEPTH: 200mm	SAMPLE DEPTH: 600r	nmo
SOIL ASSESSMENT (AS1547-2012)	SOIL HORIZON: A	SOIL HORIZON: B	as set out in the copy of an above an as set out in the copy of above an above an above an as set out in a above an above above an above an above an above above an above above above an above a
Soil Colour	Pale brown	Brown	
Soil Texture	Loam	Light clay	
Coarse Fragments (%)	None	None	
Soil Structure	Weak	Moderate	
Soil Dispersion	Non-dispersive	Non-dispersive	
Soil Permeability	0.5-1.5 mm/d	0.06-0.12 mm/d	
Soil Category	3b valleration will occu	5b	
pH 1:5 Ratio Electronic Method	None Weak Non-dispersive 0.5-1.5 mm/d 3b : 6.75 62 µS/cm /1000 = .062 dS/m Non-saline	6.32	1
Electrical Conductivity	62 µS/cm /1000 = .062 dS/m	79 µS/cm	/1000 = .079 dS/m
Salinity Hazard	Non-saline	Non-saline	
Salinity Hazard	Land Capability Assessment Project: 12 Hagevica.ker Lane, Becaallice Date of Field Work: 1 May da Z024	A.C. Geotechnical.	

Figure 4.3 Laboratory Analysis



# **Field Assessed Permeability:**

Insitu permeability testing with a constant head permeameter was undertaken in multiple locations across the site, see site plan for locations in Attachment A, in accordance with AS 1547-2012 using the constant-head test method. The field assessed permeability was calculated using the Talsma-Hallam Set out in the opy of and constantly maintained head of water equation identified in AS 1547-2012.

$$K_{sat} = \frac{4.4 \text{ Q} [0.5 \text{sinh}^{-1}(\text{H/2r}) - \sqrt{(r/\text{H})^2 + 0.25} + r/\text{H}]}{2\pi\text{H}^2}$$

Where:

K<sub>sat</sub> = saturated hydraulic conductivity of the soil in cm/min.

4.4 = correction factor for a systematic under-estimate of soil permeability in the mathematical derivation of the equation.

Q = rate of loss of water from the reservoir in  $cm^3/min$ .

H = depth of water in the test hole in cm.

r = radius of the test hole in cm.

A summary of permeability results are included in Table 4.4. Permeability Calculations are included in Appendix D.

Table 4.4 -Summary of insitu permeability

# **Constant Head Permeability**

## Indicative permeability (Ksat)

0.082 m/day

Note: The results in the table above are based on average readings taken from the test holes.

The corresponding Ksat value of 0.082 m/day in EPA Onsite Wastewater Management – Code of Practice Publication No. 891.4 July 2016 Appendix A Table 9 is category (light clay soil).

#### 4.5 **Critical site Features:**

that any disserting

The critical site features are:

- This document which we have a sub-Proposed lot size.
  - Low permeable clay soils.
  - Land subject to inundation Overlay.

<b>Table 5.1</b> and <b>Table 5.2</b> includes a Land Capability Assessment (LCA) matrix in accordance with EPA Publication 746.1. for the whole site however solic information relates to solic within the vicinity of the proposed with the vicinity of the proposed without or solic outless.	ABILITY ASSESS	<ul> <li>Geotechnical.</li> <li>LAND CAPABILITY ASSESSMENT MATRIX:</li> </ul>	AATRIX:						
Table 5.1 -Land capability assessment matrix Site	5.2 includes a wever solls ir	a Land Capal Iformation	apability Asse on relates to :	ssment (L( soils withi	A) mat ר the vi	trix in accorc cinity of the	<b>Table 5.1</b> and <b>Table 5.2</b> includes a Land Capability Assessment (LCA) matrix in accordance with EPA Publication 746.1. for the whole site however solls information relates to soils within the vicinity of the proposed wastewater envelope. Table 5.1-land capability assessment matrix. Site	ication 746.1. The l ter envelope.	The LCA has been developed
Land Features	Land Ca		ass Rating	1120	Site Rating		Comments		Mitigation
Very Good (1)		Fair (3)	Poor Ver	Very Poor (5)	1301		Ch. Very Pool		
	General (	General Characteristics			ion ii	or the	LON TO THE		
Site drainage / runoff No	2	oil	Visible	Water	10	No abnotmal m	noisture conditions	N/A	
sıg dam	signs of but no dampness standing	<u>ම</u>	signs of dampness	ponding on surface	nu		e C		
	water		i.e. water tolerant		el i				
			plants			0×.0	(°, °)		
Runoff	None Low	Moderate	High	Very High	ŝ	Small lot size	anning	Secondary treatm	Secondary treatment of wastewater required
Flood / inundation potential (yearly return exceedance)	Never	< 1 in 100	>1 in 100 to < 1 in 20	> 1 in 20	m	Site covers by overlay	r Land Subject to inun	dation All opening to positioned above this site.	the septic tank must b the 1 in 20-year floor level fo
Proximity to water courses	> 60 metres		< 60 me	metres	1	>60 m		N/A S	
Slope (%) 0	0 - 2 2 - 8	8 – 12	12 – 20	> 20	-	Relatively level		NVA KI	il.
24052 LCA 12 Hagenauer Lane, Benalla	Lane, Benalla							0300	00000000000000000000000000000000000000

Geotechnical	schnical	Sulling						
Landslip	No potential for failure	AL FULL	Low potential for failure	High potential for failure	Present or Past Failure	-	Relatively level site	N/A
Groundwater table (m) seasonal watertable depth	>5.0	2.5, 5.0	2.5+5.0 2.0 -2.5	05-2.0	<1.5	1	Groundwater held at approximately 10 m below N/A the surface	N/A
Rock Outcrops (% of land surface containing rocks >200mm)	%0	<10%	10-20%	10-20% 20-50%	366m 6,>20%	-	None observed	N/A
Erosion Potential	No erosion potential	Minor	Moderate	High	Severe erosion potential	13/30/0	Negligible	Maintain current level of surface cover where practical
Exposure	High sun and wind exposure		Moderate	Low sun and wind exposure			High exposure to sun and wind	N/A
Landform	Hill crests, convex side slopes and plains		Concave side slopes and foot slopes		Floodplai ns and incised channels	0 <del>0</del> JIM	Plains Pl	Floodplain The Plains of the NA N/A name incised the new of the ne
Vegetation Type (land application area)	Turf or pasture				Dense Forest	1	Pasture 22, 100 March 100 Pasture 20, 100 Past	N/A
E	No Fill present		Fill Present			4	No fill encountered	N/A
Rainfall (mm/yr) <sup>2</sup>	<450	450 - 650	650 - 750 750 - 1000	750 - 1000	>1000	2	Average annual evaporation of 623.3 mm	LAA size to be determined by water balance calculations
Pan evaporation (mm/yr) <sup>3</sup>	>1500	1250 - 1500	1000 – 1250	1	<1000	m	Annual evaporation of 1211.9 mm	LAA size to be determined by water balance calculations
24052 LCA 12 Hagenauer Lane, Benalla	nauer Lane, E	Benalla						0000 Page 11   23

Soil Profile Chart           Profile depth         >2.0m         1.5–2.0m           Profile depth         >2.0m         1.5–2.0m           Shrinkage* (%)         Low         Moderate         Hi           Shrinkage* (%)         Low         Moderate         Hi           Permeability* (m/d)         0.15–0.30         0.08–0.15         0.06           Permeability* (m/d)         0.15–0.30         0.08–0.15         0.06           Category 1         Category 1         A         A           Category 1         Category 1         A         A	i Profile C	Soils						
>2 0.15 2 a	1 1 2	Soil Profile Characteristics	stics					
Low <4% 0.15–0.30 2 and 3	2.5-2.0m	een en	1.0–1.5m	<1.0m		Deep soil profile		N/A
	Moderate 4-12%	-20 -20	Very High >20%		2	Medium plasticity light clay		N/A
	0.08-0.15	0.06-0.08 - 0 0.60-1.50 1.50-2.00	1.50-2.00	<0.06 <0.06 >2.00	5	Light clay		LAA size to be determined by water balance calculations
1.20.10	4		005 005	Rand 60	31000	Light clay		LAA size to be determined by water balance calculations
Coarse fragments* <10 (%)	10-20	20-40		0.40°C	LOL N	~J0%		N/A
Emerson Test* 4,6,8 (dispersion / slaking)	Ŋ	7	2,3	1	101 me	Non-dispersive		N/A
Electrical <0.3 Conductivity (Ece) (dS/m)	0.3-0.8	0.8-2.0	2.0-4.0	>4.0	-	Non-saline Non-saline	10	N/A
<b>PH</b> 6-8		4.5-6		<4.5, >8	7	Neutral soils	inino fr	N/A
<ul> <li><sup>1</sup> Source: AS1547-2012</li> <li><sup>2</sup> Source BOM station – Benalla Airport (082170)</li> <li><sup>3</sup> Source BOM station – Benalla Airport (082170) 2019</li> <li><sup>*</sup> Relevant to soil layer(s) associated with wastewater application</li> </ul>	nalla Airpori nalla Airpori associated w	t (082170) t (082170) 2 <sup>1</sup> ith wastewa	019 iter applicat	<u>u</u>		P. d.	oct putpose of putpose	0) 0) 2019 0) 2019 tewater application tewater application
								8000 Page 12 23
24052 LCA 12 Hagenauer Lane, Benalla	, Benalla							310



# 6. MANAGEMENT PROGRAM:

The onsite wastewater system design and management program must suit the capability of the site and will consider the proposed development. The following sections discuss the inputs used to assess the suitability and requirements of EPA approved land based systems. Detailed design for the system is beyond the scope of this study.

# 6.1 Treatment System:

Based on site conditions and constraints outlined in the previous sections, secondary treatment of effluent is considered necessary for sustainable management of wastewater.

Untreated domestic wastewater typically has values of 200-300mg/L biochemical oxygen demand (BOD5) and 200-300mg/L total suspended solids (TSS). Indicative target effluent quality for secondary treatment systems are < 20mg/L BOD5, < 30mg/L TSS and <10cfu/100mL E.Coli.

The two most common options capable of achieving the desired performance are, aerated wastewater treatment systems (AWTS) and single pass sand filters. A summary of these systems is outlined below.

# 6.1.1 Aerated Wastewater Treatment System (AWTS):

AWTS are pre-fabricated or pre-engineered treatment systems designed to treat small wastewater flows. They are tank-based systems that typically employ the following processes:

- Settling of solids and flotation of scum in an anaerobic primary chamber.
- Oxidation and consumption of organic matter through aerobic biological processes.
- Clarification secondary settling of solids; and
- Disinfection prior to disposal.

Good maintenance of AWTS (e.g. removal of sludge) is essential to ensure a consistently high level of performance. By law, AWTS are required to be serviced quarterly by an approved maintenance contractor.

# 6.1.2 Sand Filters:

Sand filters provide advanced secondary treatment to water that has already undergone primary treatment in a septic tank or similar device. They contain approximately 600mm depth of filter media (usually medium to coarse sand, but other media can be incorporated) within a lined excavation containing an underdrain system. Selection of the filter media is critical, and a carefully designed distribution network is necessary. A dosing well and pump is normally used to allow periodic dosing. Depending on the desired level of treatment, sand filters can be single pass or may incorporate partial recirculation.

# 6.2 Treatment System Location:

Based on requirements of EPA 891.4, above-ground and in-ground treatment systems must comply with the same setback distances to building footings and boundary fences as land application systems.



# 6.2.1 Septic Tank:

The minimum septic tank size should be 3,500 L. All opening to the septic tank must be positioned above the 1 in 20 year floor level for this site.

# 6.3 Land Application:

A range of possible land application systems have been considered, such as absorption trenches/beds, evapotranspiration/absorption (ETA) beds, mound systems and sub-surface irrigation. AS1547:2012 outlines factors affecting the construction and operation of common land application systems and a guide to selecting a system taking into consideration site features, subsurface soil conditions and identified constraints. The suitability of EPA approved land based systems are discussed in **Table 6.3**.

Land Application	Description	Site Suitability
Absorption Trenches	Trenches are the most common type of land application system and are generally used on lots which are reasonably flat and where water soaks into the soil readily in all weather conditions. Commonly, distribution pipes, self-supporting arch trenching or box trenching are laid in trenches filled with aggregate/rock. Effluent then soaks into the surrounding soil.	Not considered suitable, due to small lots and low permeable clays.
ETA Beds / Wick trenches	Beds are shallower forms of trenches. Because beds have smaller sidewall area compared with trenches, the absorption provided by sidewall loading is reduced. This is compensated for by reducing the design loading rate.	Suitable
Mound System	A mound system permits the absorption area to be sited in a location where the natural water table or impermeable rock approaches the ground surface. The mound is filled with medium-grade sand to provide suitable filtering before intercepting the natural soils. A pump/siphon dosing system distributes effluent uniformly through a bed of aggregate placed at the top of the mound. The sand media in the mound system acts as a secondary treatment system, removing the need for a separate sand filter or AWTS	Suitable
Sub-surface Irrigation	Subsurface drip irrigation requires secondary treated effluent dosing lines buried in the topsoil at shallow depth. Irrigation systems operate by both soil absorption and evapotranspiration from plants/trees	Suitable

# 1 Disposal systems:

Water balance modelling has been undertaken to calculate the minimum size of the LAA. The water balance takes into account the average annual rainfall, evaporation data, the daily effluent load, the design irrigation/loading rates for secondary treated effluent, the seasonal crop factor and the retained rainfall. The water balance model is designed so that the land application area is based upon a depth of saturated soil (i.e. water stored within indicative soil porosity) that meets the upper limits of acceptance for each land application method. The water balance must ensure that the soil can sustain growth during the summer months. The design system parameters used for the water balance calculations are summarised in **Table 6.3.1**.



## Table 6.3.1 Design System Parameter

Treatment system	Application System	DIR / DLR	Runoff coefficient	Maximum depth	storage
Primary treatment	Absorption trenches		Not Suitable	ueptii	
Secondary treatment	ETA Beds	5	25%	0 mm	
	Wick trenches	10			0
	Mound System*	5	25%	0 mm	3 9
	Sub-surface irrigation	3	25%	0 mm	JE O

\* Mound disposal system incorporates a secondary treatment sand media, removing the requirement for a separate secondary treatment system

# 6.4 Land Application Outputs:

6.4 Land Application Outputs: Minimum Land Application Area (LAA) sizing for each application method was calculated using water balance calculations. LAA sizing calculations are included in Appendix D. The minimum required disposal area for each system is summarised in Table 6.4.

## Table 6.4 Required Land Application Area (LAA)

Disposal system	Minimum reserve size required
Wastewater output	900 L / dáý
Absorption trenches	Not Suitable
Subsurface irrigation	
ETA Beds	225 m <sup>2</sup>
Mound	225 m <sup>2</sup>
Wick trenches	68 m (1.6m wide)

# 6.5 Proposed Wastewater Envelope:

The lots have sufficient suitable area available for the proposed LAA. If it is councils' preference to allocate a wastewater envelope for each lot, the envelope should have a minimum area of 1,000 m<sup>2</sup>. A wastewater envelope of this size will provide adequate flexibility for different disposal systems and sizing.

# 6.6 Existing Open Spoon Drain:

An open spoon drain runs through the property. It is proposed to realign this along the north-east boundary. The LAA must be setback a minimum of 6m from the new drain alignment.



# **Designated Area:**

The Land Application Area (LAA) shall be located in a designated area to enhance evapotranspiration and shall:

- Not be used for purposes that compromise the effectiveness of the system or access for maintenance.
- Be used only for effluent application.
- Have boundaries clearly delineated by appropriate vegetation or other type of border.
- Have no run-off seepage or effluent beyond the designated area. •

The site plan in Appendix A presents several potential areas suitable for LAA placement as well as setback areas from site features which must be maintained. Please note that the final LAA placement is the responsibility of the owner and should be included in a detailed design providing the minimum LAA and setback distances are maintained.

The required LAA will be smaller than that marked on the site plan. An appropriately sized LAA, as in the ater disposal ater disp discussed in Section 6.4, must be located entirely within the area nominated on the site plan.

al are in a are in a are the to the downeet a show in a are in a are in a downeet a show in a downeet a sh This document the third ment of the top of top of the top of top Setback distances for secondary treated wastewater disposal are included in Section 6.6.1.



# 6.7.1 Setback Distances:

The minimum setback distances for secondary treated wastewater are summarised in **Table 6.6.1**. The proposed LAA must adhere to these minimum setback distances.

Landscape feature or structure	Setback distance (m) (primary treated	Setback distance (m) (secondary treated
	wastewater)	wastewater)
Building		X O X O X
Wastewater field up-slope of building	6	3, 4, 6, 0
Wastewater field down-slope of building	3	1.5
Wastewater field up-slope of cutting/escarpment	30	S 15
Allotment boundary		
Wastewater field up-slope of Allotment boundary	6	3
Wastewater field down-slope of Allotment boundary	3 aind a	P <sup>1</sup> P <sup>1</sup> 1.5
Services	nie na	"Ile
Water supply pipe	30 1 80	1.5
Wastewater field up-slope of potable supply channel		150
Wastewater field down-slope of potable supply channel	COS USE 20 CUM PION	10
Gas supply pipe	11 00 03 CM	1.5
In-ground water tank	15	7.5
Stormwater drain	N 5.95	3
Recreational areas	in the	
Children's grassed playground	6	3
In-ground swimming pool	G <sup>(1)</sup> 6	3
Surface water – up-slope of	30-	
Waterway, non-potable creeks, dams, channels	60	30
Groundwater bores		
Category 2b to 6 soils	40	20

# 6.8 Soil Renovation:

Due to the low permeability clay soils encountered at the site, soil renovation is recommended if a trench or bed disposal system is installed. The following method should be adopted:

Gypsum should be initially applied to the trench base at a rate of 1kg/m<sup>2</sup>.

This information should be included on the Council Permit.

# 6.9 Monitoring, Operation and Maintenance:

The septic tank is de-sludged every 3 years; however, this frequency may vary depending on the following conditions.

- whether the tank is an adequate size for the daily wastewater flow
- the composition of the household and personal care products
- the amount of organic matter, fat, oil and grease washed down the sinks



- the use of harsh chemicals such as degreasers
- overuse of disinfectants and bleaches
- the use of antibiotics and other drugs, especially dialysis and chemotherapy drugs
- whether any plastic or other non-organic items are flushed into the tank.

After pump-out, tanks must not be washed out or disinfected. They should be refilled with water to reduce odours and ensure stability of plumbing fixtures. A small residue of sludge will always remain 3004 and will assist in the immediate re-establishment of bacterial action in the tank.

To ensure the treatment systems function adequately, residents must:

- Use soapy water (made from natural unscented soap), vinegar and water or bi-carbonate of soda and water to clean toilets and other water fixtures and fittings.
- Read labels to learn which bathroom and laundry products are suitable for septic tanks. Generally plain, noncoloured, unscented and unbleached products will contribute to a wellfunctioning septic tank.
- Use detergents with low levels of salts (e.g. liquid detergents), sodium absorption ratio, phosphorus and chlorine (see www.lanfaxlabs.com.au).
- Wipe oils and fats off plates and saucepans with a paper towel and dispose of in the kitchen compost bin. Ś
- Use a sink strainer to restrict food scraps entering the septic system.
- Ensure no structures such as pavements, driveways, patios, sheds or playgrounds are • constructed over the tank or absorption trench area.
- Ensure the absorption trench area is not disturbed by vehicles or machinery. •
- Engage a service technician to check the sludge and scum levels, pumps and alarms annually. •
- Keep a record of the location of the tank and the trenches and all maintenance reports • (including the dates of tank pump-outs, tank inspections and access openings) and ensure the service technician sends a copy of the maintenance report to the local Council.
- Have the tank desludged when the combined depth of the scum and sludge is equal to the depth of the middle-clarified layer.

Indications of failing septic tanks and soil absorption trenches

- Seepage along effluent absorption trench lines in the soil.
- Lush green growth down-slope of the soil absorption trench lines.
- Lush green growth down-slope of the septic tank.
- Inspection pits and/or the soil absorption trenches consistently exhibiting high water levels.
- Soil absorption trench lines become waterlogged after storms.
- General waterlogging around the land disposal area.
- espresence of dead and dying vegetation (often native vegetation) around and down-slope of the land disposal areas.
- A noxious odour near the tank and the land disposal area.
- Blocked water fixtures inside the house, with sewage overflowing from the relief point.
- High sludge levels within the primary tank (within about 150 mm of inlet pipe).
- Flow obstructed and not able to pass the baffle in the tank. •
- The scum layer blocking the effluent outflow.



#### 6.9.1 Storm Water Management:

All stormwater must be disposed of to the legal point of discharge.

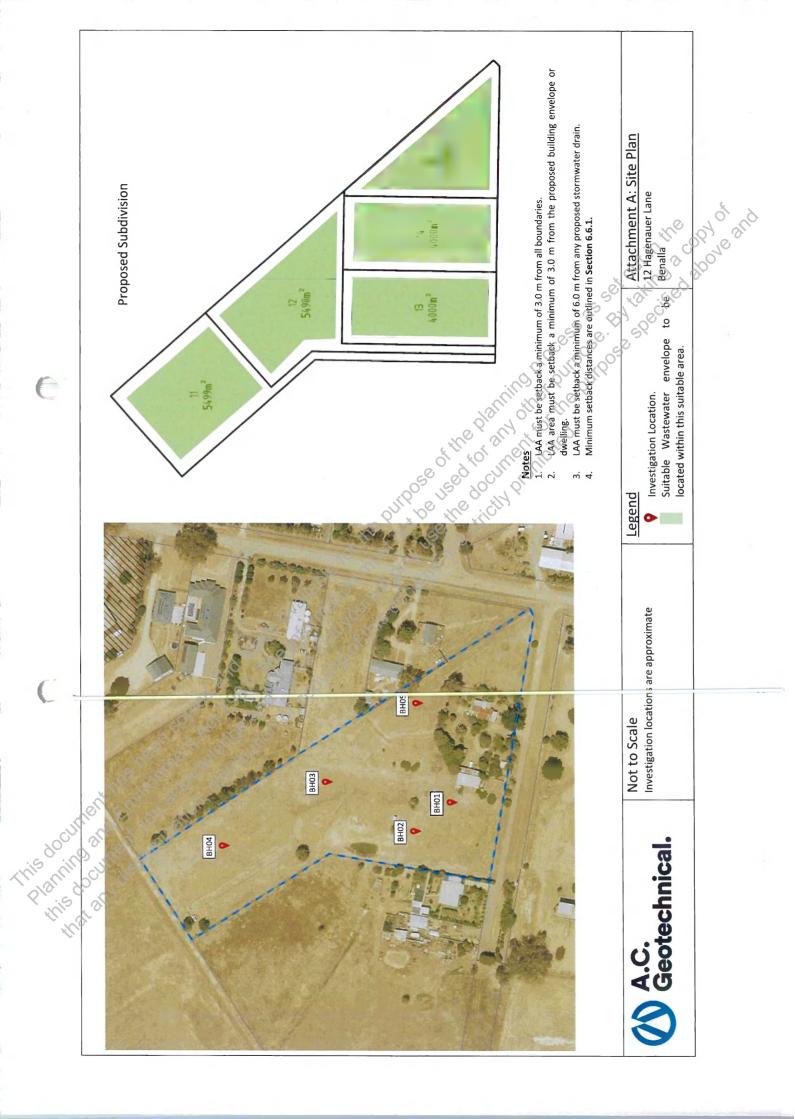
Note: An agricultural drain (AG) must be installed on the high side of the wastewater envelope. The drain is to be installed a minimum of 100mm into the naturally occurring clay soils and allow sufficient fall to intercept and drain all overland and subsurface run-off to a legal point of discharge. If a legal point of discharge cannot be obtained, the drainage line may discharge directly to the surface soils, a minimum distance of 10 metres beyond the wastewater disposal area.

### 7. **CONCLUSIONS:**

From this investigation it is concluded that the use of an on-site wastewater treatment and disposal system is environmentally sustainable on each proposed lot, if the recommendations made in this report are followed.

### 8. **REFERENCES:**

- Environmental Protection Authority Guidelines for Environmental Management Code of Practice – Onsite Wastewater Management, July 2016 ~ Publication 891.4
- Municipal Association Victoria (MAV) January 2014, Model Land Capability Assessment Framework
- Australian/New Zealand Standard AS/NZS 1547-2012 On-site domestic wastewater management.
- A.C. Geotechnical Pty Ltd Field and Laboratory data (where applicable) collected and recorded.
- Li Prot. 451, e Domestic Waster constituent constituen Environmental Protection Authority - "Code of Practice - Septic Tanks", March 1996" ~
  - Environmental Protection Authority, Information Bulletin- "Land Capability Assessment for onsite Domestic Wastewater Management", March 2003 ~ Publication 746.1.





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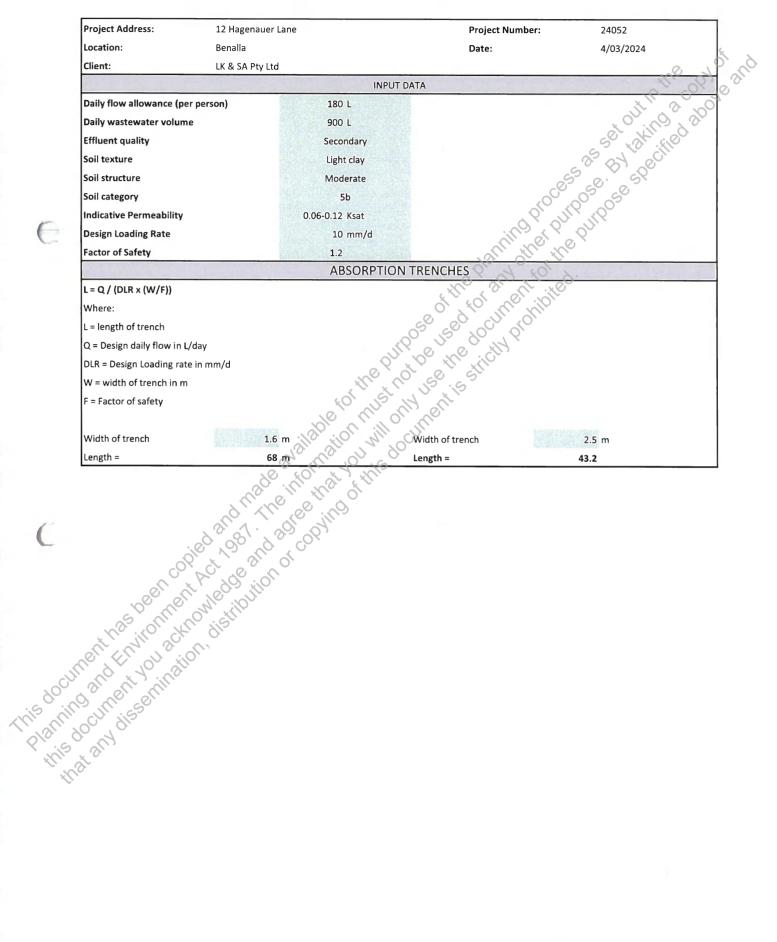
# INSITU CONSTANT HEAD PERMEABILITY



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# WICK TRENCH SIZE CALCULATIONS





# WATER BALANCE ETA BEDS



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Crop factor - Shade	0.4	0.4	0.4	0.4	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Crop factor - woodlot	1	1		0.4	0.4	5 1	1	1	1	1	1	1	
Rainfall Data Benalla A	irport (082170)		S	17	a't								
Evaporation Data Benalla A	irport (082170)	<u>o</u> `	6,0	, KIN	SUL								
Parameter Unit	Jan	Feb		Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Days in month	2131	28	31		31	30	31	31	30	31	30	31	365
Rainfall (mm)	6 53.3	37.2	55.7	50.2	46.7	59.6	63.3	59.7	41.4	50.9	54.6	50.7	623.3
Evaporation (mm)	201.5	165.2	133.3	75	40.3	30	31	43.4	69	105.4	138	179.8	1211.9
Output	10,00;	10											
otranspiration (mm)	171.28	140.42	113.31	45	24.18	18	18.6	26.04	41.4	89.59	117.3	152.83	957. <b>9</b> 4
Percolation (mm)	155	140	155	150	155	150	155	155	150	155	150	155	1825
Total Output (mm)	326.28	280.42	268.31	195	179.18	168	173.6	181.04	191.4	244.59	267.3	307.83	2782.9
Inputs	0												
Effective Rainfall (mm)	39.975	27.9	41.775	37.65	35.025	44.7	47.475	44.775	31.05	38.175	40.95	38.025	467.48
Application Rate (mm)	124	112	124	120	124	120	124	124	120	124	120	124	1460
Total Inputs (mm)	163.98	-280.4	165.78	157.65	159.03	164.7	171.48	168.78	151.05	16 <b>2</b> .18	160.95	162.03	1927.5
Storage Calculations													
Waste Loading (mm)	286.3	252.52	226.53	157.35	144.16	123.3	126.13	136.27	160.35	206.42	226.35	269.81	
Volume of Wastewater (mm)	27900	25200	27900	27000	27900	27000	27900	27900	27000	27900	27000	27900	328500
Cumulative Storage (mm)	0	0	0	0	0	0	0	0	0	0	0	0	
													-
Rainfall (mm) Evaporation (mm) Output ootranspiration (mm) Percolation (mm) Total Output (mm) Inputs Effective Rainfall (mm) Application Rate (mm) Total Inputs (mm) Storage Calculations Waste Loading (mm) Volume of Wastewater (mm) Cumulative Storage (mm) Area												225	mZ
Area Width Length													m2 m

# WATER BALANCE SUBSURFACE IRRIGATION



Project Address:	12 Hagena	auer Lar	ne				Project N	lumber:		24052			
Location:	Benalla						Date:			4/03/202	24	0	
Client:	LK & SA PI	ty Ltd									0	, Ć	6, 1
		1	INPU	DATA						57 59 58 59	the	000	20
Daily flow allowance (per person)	180 L									0 <sup>11</sup>	<u> </u>	5.0	
Daily wastewater volume	900 L										Q,	20	
Effluent quality	Second	lary							S	J.X.	`` <u>`</u> ¢\0 <sup>C</sup>		
Effective rainfall	0.75 %	6							80	200	GI		
Soil texture	Sandy le	oam						S		, cl			
Soil structure	Massi	ve						~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	50	30			
Soil category	2b						0	i ji	$\gamma_{\gamma}^{\gamma}$				
cative Permeability	1.4-3.0 K	sat					10 ·	< 9° .	Q <sup>N</sup>				
		SUE	BSURFAC	E IRRIGA	TION	n	the	"he	TIME				171
DLR	3 m	nm/d				101 31	N K	5 2					
Porosity	45 %	5			N'	5							
Maximum Storage Depth	0 m	ım			0,	0' 0	(°. ')	oited.					
Crop Factor - standard pasture	0.85	0.85	0.85	0.5	<b>9.6</b>	0.6	0.6	0.6	0.6	0.85	0.85	0.85	
crop factors -Lucene	0.95	0.9	0.85	0.8	V 0.7	0.55	0.55	0.65	0.75	0.85	0.95	1	
Crop factor - Shade	0.4	0.4	0.3	0,4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Crop factor - woodlot	1	1	1	0.8 0.4	0.5 0.7 0.4	0.4 1	1	1	1	1	1	1	
Rainfall Data Benalla A	Airport (082170)	50	MUSI	17	d'h								
Evaporation Data Benalla A	Airport (082170)	<u>S</u>		n <sup>h</sup> n	2								
Parameter Unit	Jan 🔿 F		Man		May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Days in month	31	28	31		31	30	31	31	30	31	30	31	365
Rainfall (mm)	53.3	37.2	\$5.7	50.2	46.7	59.6	63.3	59.7	41.4	50. <del>9</del>	54.6	50.7	623.3
Evaporation (mm)	201.5	165 2	133.3	75	40.3	30	31	43.4	6 <b>9</b>	105.4	138	179.8	1211.9
Output	the co	0											
votranspiration (mm)	171.28	140.42	113.31	45	24.18	18	18.6	26.04	41.4	89.59	117.3	152.83	957.94
rercolation (mm)	0 0 93	84	93	90	93	90	93	93	90	93	90	93	1095
Total Output (mm)	264.28	224.42	206.31	135	117.18	108	111.6	119.04	131.4	182.59	207.3	2 <b>4</b> 5.83	2052.9
Inputs	<i>1</i> 0 <i>,</i>												
Effective Rainfall (mm)	39.975	27.9	41.775	37.65	35.025	44.7	47.475	44.775	31.05	38.175	40.95	38.025	467.48
Application Rate (mm)	63.409	57.273	63.409	61.364	63.409	61.364	63.409	63.409	61.364	63.409	61.364	63.409	746.59
Total Inputs (mm)	103.38	-224.4	105.18	99.014	98.434	106.06	110.88	108.18	92.414	101.58	102.31	101.43	1214.1
Rainfall (mm) Evaporation (mm) Output votranspiration (mm) vercolation (mm) Total Output (mm) Inputs Effective Rainfall (mm) Application Rate (mm) Total Inputs (mm) Storage Calculations Waste Loading (mm) Volume of Wastewater (mm) Cumulative Storage (mm) Land area required													
Waste Loading (mm)	224.3	196.52	164.53	97.35	82.155	63.3	64.125	74.265	100.35	144.42	166.35	207.81	
Volume of Wastewater (mm)	27900	25200	27900	27000	27900	27000	27900	27900	27000	27900	27000	27900	328500
Cumulative Storage (mm)	0	0	0	0	0	0	0	0	0	0	0	0	
Land area required												440	m2
Land area required													

# WATER BALANCE MOUND SYSTEM



Project Address:	12 Hage	nauer La	ne				Project N			24052			
Location:	Benalla						Date:			4/03/202	24	\$	k .
Client:	LK & SA	Pty Ltd									0	70	) <u>(</u>
			INPU	T DATA				N.			th.	.09%	20
Daily flow allowance (per person)	180	L								H.	0	<u>_0</u>	
Daily wastewater volume	900	L									0,	3	
Effluent quality	Seco	ndary							S	× X	1.60	P	
Effective rainfall	0.75	%							80	5	SCI,		
Soil texture	Sandy	/ loam						ŝ	· @·	~ <u>~</u> ~?			
Soil structure	Mas	ssive						000	000	50			
Soil category	2	b					~ 6	, JU	3 "16				
cative Permeability	1.4-3.0	Ksat					$n^{0}$	× 9	05				
			MOUNE	SYSTEM	1	, an	'the	in			212	Rev	- Miles
DLR	5	mm/d			_	401 31	N K	oited					
Porosity	40	%			N'S	0,0	- Ch	. KOU					
Storage Depth	0	mm			0	×0' (	10 m	<i>(</i> 0,					
Crop Factor - standard pasture	0.85	0.85	0.85	0.6	<u>90.6</u>	0.6	0.6	0.6	0.6	0.85	0.85	0.85	
crop factors -Lucene	0.95	0.9	0.85	000	$\nabla 07$	0.55		0.65	0.75	0.85	0.95	1	
Crop factor - Shade	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	
Crop factor - woodlot	1		( J	0.4	0.4 0.4	5 1	1	1	1	1	1	1	
Rainfall Data	Benalla Airport (082170	) (0	MUST	14	al.								
Evaporation Data	Benalla Airport (082170	no i		nHn c	shi								
Parameter	Unit Jan	Feb	Mar			Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Days in month	31	28	31	30	31	30	31	31	30	31	30	31	365
Rainfall (mm)	\$3.3	37.2	55.7	50.2	46.7	59.6	63.3	59.7	41.4	50.9	54.6	50.7	623.3
Evaporation (mm)	201.5	165.2	133.3	75	40.3	30	31	43.4	69	105.4	138	179.8	1211.9
Output	9 1 m 6	en;											
potranspiration (mm)	71.28	140.42	113.31	45	24.18	18	18.6	26.04	41.4	<b>89</b> .59	117.3	152.83	957.94
Percolation (mm)	3 0 0 155	140	155	150	155	150	155	155	150	155	150	155	1825
Total Output (mm)	326.28	280.42	268.31	195	179.18	168	173.6	181.04	191.4	244.59	267.3	307.83	2782.9
Inputs	89 til							1		1.00	1.50		STELLAN.
Effective Rainfall (mm)	39.975	27.9	41.775	37.65	35.025	44.7	47.475	44.775	31.05	38.175	40.95	38.025	467.48
Application Rate (mm)	124	112	124	120	124	120	124	124	120	124	120	124	1460
Total Inputs (mm)	163.98	-280.4	165.78	157.65	159.03	164.7	171.48	168.78	151.05	162.18	160.95	162.03	1927.5
Rainfall (mm) Evaporation (mm) Output ootranspiration (mm) Percolation (mm) Total Output (mm) Inputs Effective Rainfall (mm) Application Rate (mm) Total Inputs (mm) Storage Calculations Waste Loading (mm) Volume of Wastewater (mm) Cumulative Storage (mm) Basal Area													
Waste Loading (mm)	286.3	252.52	226.53	157.35	144.16	123.3	126.13	136.27	160.35	206.42	226.35	269.81	
Volume of Wastewater (mm)	27900	25200	27900	27000	27900	27000	27900	27900	27000	27900	27000	27900	328500
Cumulative Storage (mm)	0	0	0	0	0	0	0	0	0	0	0	0	
Basal Area												225	m2
Basal Area													

# **NUTRIENT BALANCE**



Location:				Project Number:	24052	
	Benalla			Date:	4/03/2024	×
Client:	LK & SA Pty Ltd				0	70.
	Nitro	ogeb Balance -Nitroge	en		11.0	2,0
Hydraulic Loading		900	l/day		JI BOOK	00
Effluent N concentration		25	mg/l		× 0, 10, 0, 0	
Daily N loading		22500	mg/day	6	S CAL GIO	
Annual N loading		8212500	mg/year	500	By Ser	
Denitrification loss		20	%	65.00	. 67	
Denitrification loss		6570000	mg/year	10 <sup>0</sup> 10 <sup>0</sup>	55	
Total annual N loading		6.57	kg/year	al on the		
it uptake		220	kg/ha/year			
Minimum area for uptake		299	m2	Official and a second s		
document has been copies	Benalla LK & SA Pty Ltd	the pullt be and the provided to the pullt be and the pul	the strictly			



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# **PROPERTY REPORT**



From www.land.vic.gov.au at 29 February 2024 08:12 PM

### **PROPERTY DETAILS**

Address:	12 HAGENAUER LANE BENALLA 3672	
Lot and Plan Number:	Lot 3 LP61283	
Standard Parcel Identifier (SPI):	3\LP61283	
Local Government Area (Council):	BENALLA	www.benalla.vic.gov.au
Council Property Number:	A4604	the garant
Directory Reference:	Vicroads 663 S2	ALL ROOMS
SITE DIMENSIONS		cet out no ed alo

All dimensions and areas are approximate. They may not agree with those shown on a title or plan.

Area: 23187 sa. m (2.32 ha)

Area: 23187 sq. m (2.32 ha)
Perimeter: 761 m
For this property:
Site boundaries
Road frontages
Dimensions for individual parcels require a separate search, but dimensions
for individual units are generally got available for individual units are generally not available.

edifront above securate dimension. <u>ates</u> of the purpose the structure the structure of the structure of the structure the structure of the structure of the structure the structure of the structu Calculating the area from the dimensions shown may give a different value to 10

For more occurate dimensions get copy of plan a<u>tTitle and Property</u>

## UTILITIES

Rural Water Corporation: Urban Water Corporation: Melbourne Water: AUSNET Power Distributor:

HAGENAUER 176.2

North East Water Outside drainage boundary

Goulburn-Murray Water

200

inform

### **STATE ELECTORATES**

Legislative Assembly: EUROA

NORTHERN VICTORIA

PLANNING INFORMATION

Property Planning details have been removed from the Property Reports to avoid duplication with the Planning Property Reports from the Department of Transport and Planning which are the authoritative source for all Property Planning information. ,01

The Planning Property Report for this property can found here - <u>Planning Property Report</u>

Planning Property Reports can be found via these two links Vicplan https://mapshare.vic.gov.au/vicplan/

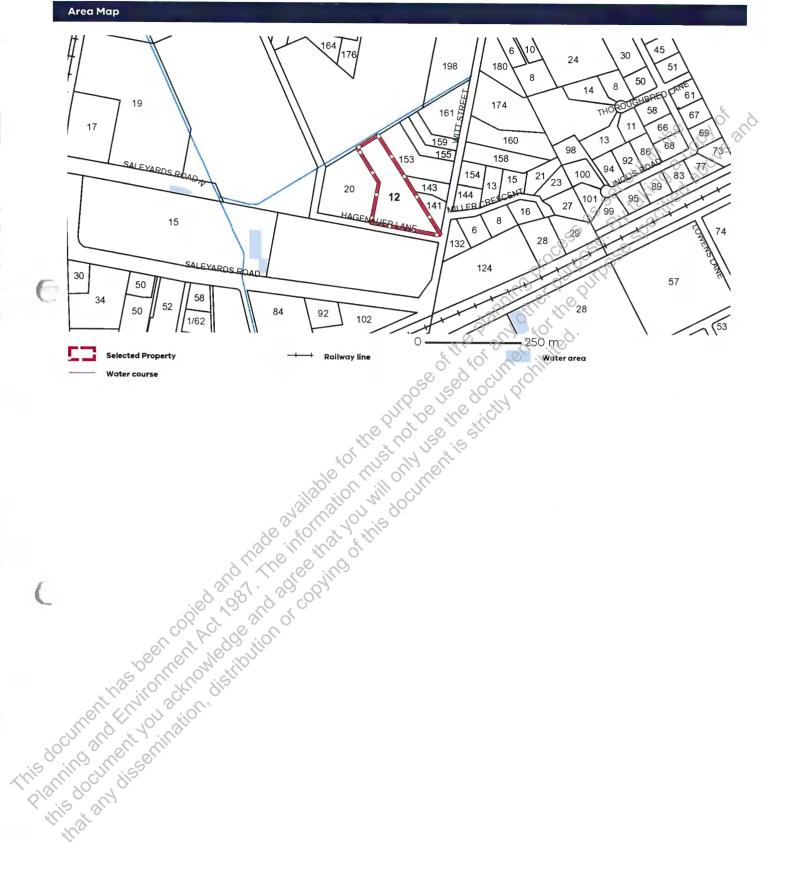
Property and parcel search https://www.land.vic.gov.au/property-and-parcel-search 0

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PROPERTY REPORT: 12 HAGENAUER LANE BENALLA 3672

# **PROPERTY REPORT**





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From www.planning.vic.gov.au at 29 February 2024 08:13 PM



PROPERTY DETAILS Lot and Plan Number: Lot 3 LP61283 Address: 12 HAGENAUER LANE BENALLA 3672 Standard Parcel Identifier (SPI) 3\LP61283 Local Government Area (Council): BENALLA www.benalla.vic.gov Council Property Number: A4604 Planning Scheme - Bengila Planning Scheme: Benalla taking filed a Directory Reference: Vicroads 663 S2 set UTILITIES STATE ELECTORATES NORTHERN VICTORIA Rural Water Corporation: Goulburn-Murray Water Legislative Council: PUTPOSE Urban Water Corporation: North East Water Legislative Assembly: EUROA Melbourne Water: Outside drainage boundary Power Distributor: AUSNET OTHER Registered Aboriginal Party Vorta Vorta Nation Aboriginal Corporation View location in VicPlan **Planning Zones** euse 20C LOW DENSITY RESIDENTIAL ZONE (LDRZ) SCHEDULE TO THE LOW DENSITY RESIDENTIAL ZONE (LDRZ) 0 24 198 180 51 RLZ 8 50 8 14 61 174 58 161 67 LDR2 17 19 11 66 I DRZ 69 160 13 159 68 98 86 73 155 158 53 92 77 94 154 100 83 23 15 13 89 143 20 144 12 95 10 27 MIL 16 99 8 15 6 IN1Z 29 28 32 TRZ1 124 30 57 50 IN1Z 58 34 28 50 84 92 102 1/60 0 250 m IN1Z - industrial 1 LDRZ - Low Density Residential RLZ - Rural Living TR21 - State Transport Infrastructure TRZ3 - Significant Municipal Road UFZ - Urban Floodway Railway line Water area Water course Note labels for zones may appear outside the actual zone - please compare the labels with the legend.

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### **Planning Overlays**

LAND SUBJECT TO INUNDATION OVERLAY (LSIO) LAND SUBJECT TO INUNDATION OVERLAY SCHEDULE (LSIO)



Water course

Note: due to overlaps, some averlays may not be visible, and some colours may not match those in the legend

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### **Further Planning Information**

Planning scheme data last updated on 7 December 2023

A STREET A **planning scheme** sets out policies and requirements for the use, development and protection of land.

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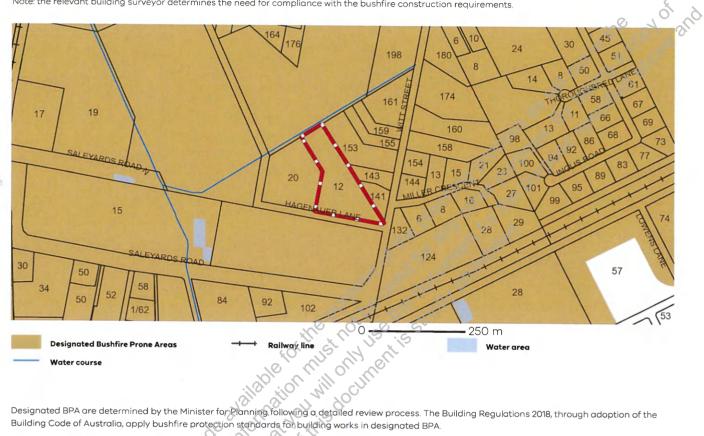


### Designated Bushfire Prone Areas

This parcel is in a designated bushfire prone area. Special bushfire construction requirements apply to the part of the property mapped as a designated bushfire prone area (BPA). Planning provisions may apply.

Where part of the property is mapped as BPA, if no part of the building envelope or footprint falls within the BPA area, the BPA construction requirements do not apply

Note: the relevant building surveyor determines the need for compliance with the bushfire construction requirements.



Designated BPA are determined by the Minister for Planning following a detailed review process. The Building Regulations 2018, through adoption of the Building Code of Australia, apply bushfire protection standards for building works in designated BPA.

Designated BPA maps can be viewed on VicPlan at https://mapshare.vic.gov.au/vicplan/ or at the relevant local council.

Create a BPA definition plan in VicPlan to measure the BPA

0

Information for lot owners building in the BPA is available at https://www.planning.vic.gov.au

Further information about the building control system and building in bushfire prone areas can be found on the Victorian Building Authority website https://www.vba.vic.gov.au Copies of the Building Act and Building Regulations are available from http://www.legislation.vic.gov.au, For Planning Scheme Provisions in bushfire areas visit https://www.planning.vic.gov.au. 20mile amen eê Stribi

## Native Vegetation

Q

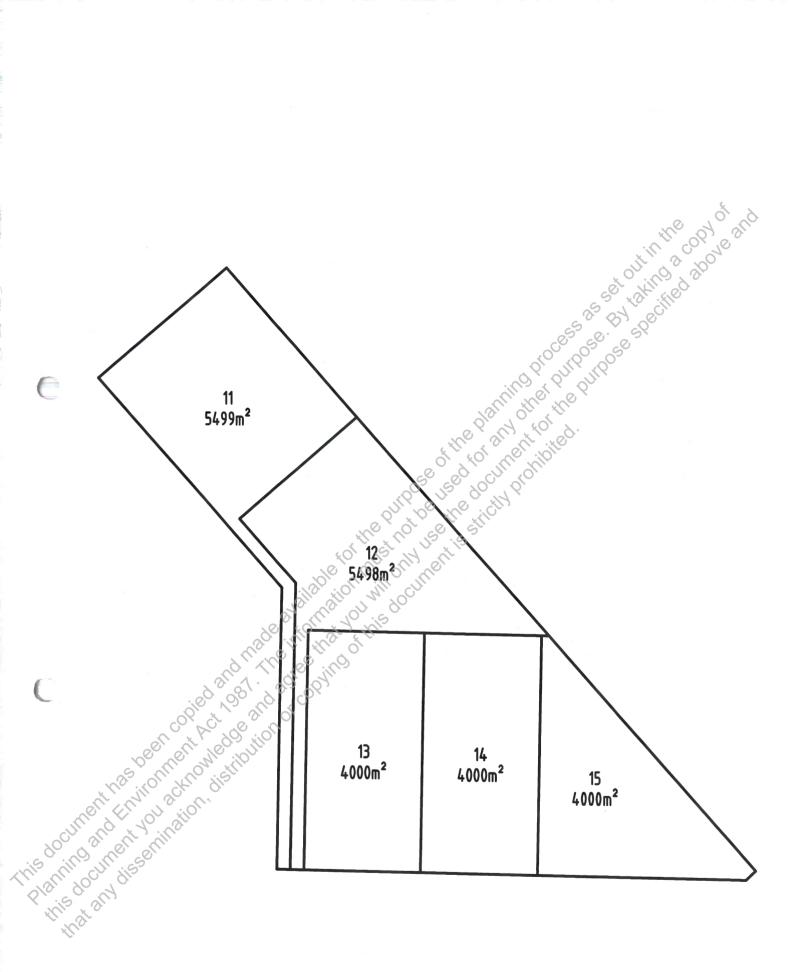
Native plants that are indigenous to the region and important for biodiversity might be present on this property. This could include trees, shrubs, herbs, grasses or aquatic plants. There are a range of regulations that may apply including need to obtain a planning permit under Clause 52.17 of the local planning scheme. For more information see Native Vegetation (Clause 52.17) with local variations in Native Vegetation (Clause 52.17) Schedule

To help identify native vegetation on this property and the application of Clause 52.17 please visit the Native Vegetation Information Management system https://nvim.delwp.vic.gov.au/and Native vegetation (environment.vic.gov.au) or please contact your relevant council.

You can find out more about the natural values on your property through NatureKit <u>NatureKit (environment.vic.gov.au)</u>

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The Victorian Government acknowledges the Traditional Owners of Victoria and pays respects to their ongoing connection to their Country. History and Culture. The Victorian Government extends this respect to their Elders,

REGISTER SEARCH STATEMENT (Title Search) Transfer of Land Act 1958

Page 1 of 1

## LAND DESCRIPTION

### REGISTERED PROPRIETOR

# ENCUMBRANCES, CAVEATS AND NOTICES

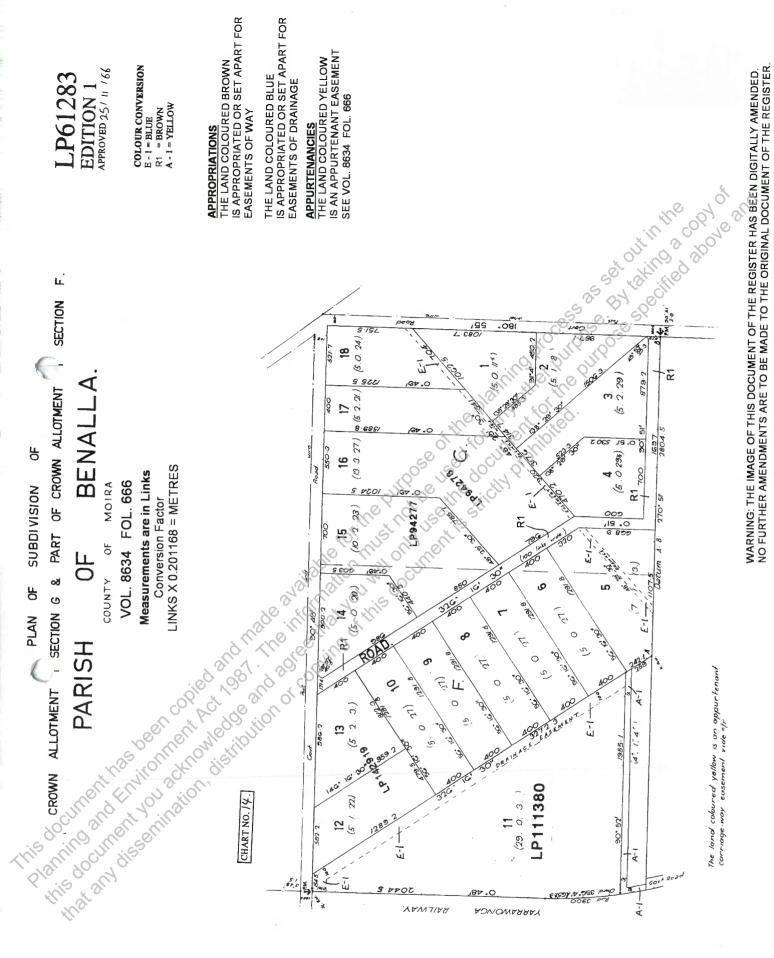
## DIAGRAM LOCATION

# ACTIVITY IN THE LAST 125 DAYS

VOLUME 08651 FOLIO 467	Security n Produced 1	o : 124112724437R 6/02/2024 04:16 PM	
LAND DESCRIPTION			67.00
Lot 3 on Plan of Subdivision 061283. PARENT TITLE Volume 08634 Folio 666 Created by instrument LP061283 29/12/1966		Set out in the	300 ve 3.
REGISTERED PROPRIETOR		5 25 BY Decili	
<ul> <li>LAND DESCRIPTION</li> <li>Lot 3 on Plan of Subdivision 061283. PARENT TITLE Volume 08634 Folio 666 Created by instrument LP061283 29/12/1966</li> <li>REGISTERED PROPRIETOR</li> <li>Estate Fee Simple Sole Proprietor LK &amp; SA PTY LTD of 29 DENNIS ROAD BENALLA VA AX652375U 18/01/2024</li> <li>ENCUMBRANCES, CAVEATS AND NOTICES</li> <li>MORTGAGE AX652376S 18/01/2024 MATIONAL AUSTRALIA BANK LTD Any encumbrances created by Section 98 Trans 24 Subdivision Act 1988 and any other encum plan or imaged folio set out under DIAGRAM</li> <li>DIAGRAM LOCATION</li> <li>SEE LP061283 FOR FURTHER DETAILS AND BOUNDARIES</li> <li>ACTIVITY IN THE LAST 125 DAYS</li> <li>NUMBER AX652375U (E) AK652375U (E) CONV PCT &amp; NOM ECT TO LC C AK652375U (E) MORTGAGE MORTGAGE AX652375U (E) MORTGAGE AK652375U (E) MORTGAGE MORTGAGE R</li> </ul>	VIC 3672 MAN	oces of the purpose st	
ENCUMBRANCES, CAVEATS AND NOTICES	NO PROVIDENT	or d.	
MORTGAGE AX652376S 18/01/2024 NATIONAL AUSTRALIA BANK LTD	of the for unerthing	OTO	
Any encumbrances created by Section 98 Tran 24 Subdivision Act 1988 and any other encum plan or imaged folio set out under DIAGRAM	sfer of Land i brances shown LOCATION below	Act 1958 or Section or entered on the w.	
DIAGRAM LOCATION			
SEE LP061283 FOR FURTHER DETAILS AND BOUNDARIES			
ACTIVITY IN THE LAST 125 DAYS			
plan or imaged folio set out under DIAGRAM <b>DIAGRAM LOCATION</b> SEE LP061283 FOR FURTHER DETAILS AND BOUNDARIES <b>ACTIVITY IN THE LAST 125 DAYS</b> NUMBER AX645907C (E) AX652375U (E) AX652376S (E) MORTGAGE SUBJECT OF CONVINCE OF CO	TATUS ompleted egistered egistered	DATE 17/01/2024 18/01/2024 18/01/2024	
END OF REGISTER SEARCH Additional information: (not part of the Regist	STATEMENT		-
Street Address: 12 HAGENAUER LANE BENALLA VIC 3	672	.emeiic)	
ADMINISTRATIVE NOTICES			

eCTControl 16089P NATIONAL AUSTRALIA BANK LTD Effective from 18/01/2024

DOCUMENT END



ANDATA®, timestamp 16/02/2024 16:16