This copied document is made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright.

> Printed 11/07/2024 Page 1 of 26

Form 2

NOTICE OF AN APPLICATION FOR PLANNING PERMIT

The land affected by the application is located at:	259 Princes Highway ORBOST 3888 Lot: 1 TP: 831316
The application is for a permit to:	Development of a dwelling and associated outbuilding
The applicant for the permit is:	Jones & McGregor Building Designers
The application reference number is:	5.2024.197.1

You may look at the application and any documents that support the application free of charge at: https://www.eastgippsland.vic.gov.au/building-and-development/advertisedplanning-permit-applications

You may also call 5153 9500 to arrange a time to look at the application and any documents that support the application at the office of the responsible authority, East Gippsland Shire. This can be done during office hours and is free of charge.

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.
- ٠

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:	Subject to the applicant giving notice
--	--

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

This copied document is made available for the sole Copyright State of Victoria. No part of this publication may be reproduced except as permitted by the Copyright Act 1966 (Cit): is complexity of an and provide the state of Victoria, is agent of an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria, is agent of an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria, is agent of an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria, is agent of an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria, is agent of an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria, is agent of an an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria, is agent of an an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria, is agent of an an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria, is agent of an an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria, is agent of an an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria, is agent of an an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria, is agent of an an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria, is agent of an an and the form obtained from the LANDATA REGD TM System. None of the State of Victoria and pays respects to their ongoing connection and the form obtained from the LANDATA REGD TM System. None of the State of Victoria and pays respects to their ongoing connection and the form obtained from the LANDATA REGD TM System. None of the State of Victoria and pays respects to their ongoing connection and the form obtained from the LANDATA REGD TM System. None of the State of Victoria and Pays and the form obtained from the LANDATA REGD TM System. None of the State

VOLUME 07494 FOLIO 187

Security no : 124114788476V Produced 08/05/2024 12:57 PM

LAND DESCRIPTION

Lot 1 on Title Plan 831316Y (formerly known as part of Crown Allotment 7E Section B Parish of Orbost). PARENT TITLE Volume 03218 Folio 521 Created by instrument 2243647 15/09/1949

REGISTERED PROPRIETOR

Estate Fee Simple Joint Proprietors DAVID DUNCAN MACALISTER NARELLE ANNE MACALISTER AF563470D 03/01/2008

ENCUMBRANCES, CAVEATS AND NOTICES

Any encumbrances created by Section 98 Transfer of Land Act 1958 or Section 24 Subdivision Act 1988 and any other encumbrances shown or entered on the plan set out under DIAGRAM LOCATION below.

DIAGRAM LOCATION

SEE TP831316Y FOR FURTHER DETAILS AND BOUNDARIES

ACTIVITY IN THE LAST 125 DAYS

NIL

```
-----END OF REGISTER SEARCH STATEMENT-----
```

Additional information: (not part of the Register Search Statement)

Street Address: 259 PRINCES HIGHWAY ORBOST VIC 3888

DOCUMENT END

Printed 11/07/2024 Pageී 2් ර් 26



The document following this cover sheet is an imaged document supplied by LANDATA®, Secure Electronic Registries Victoria.

Document Type	Plan
Document Identification	TP831316Y
Number of Pages	1
(excluding this cover sheet)	
Document Assembled	08/05/2024 12:57

Copyright and disclaimer notice:

© State of Victoria. This publication is copyright. No part may be reproduced by any process except in accordance with the provisions of the Copyright Act 1968 (Cth) and for the purposes of Section 32 of the Sale of Land Act 1962 or pursuant to a written agreement. The information is only valid at the time and in the form obtained from the LANDATA® System. None of the State of Victoria, LANDATA®, Secure Electronic Registries Victoria Pty Ltd (ABN 86 627 986 396) as trustee for the Secure Electronic Registries Victoria Trust (ABN 83 206 746 897) accept responsibility for any subsequent release, publication or reproduction of the information.

The document is invalid if this cover sheet is removed or altered.

Printed 11/07/2024 Page 3 of 26

			This copied documer	it is made available for the
			purpose of enabling	ts consideration and revie
TITLE PL		EDITION 2		
Township : Section :	ORBOST - 3 7E (PT)		used for any purpose v	7. The document must no tions which may breach any cop
Base record : Last Plan Reference :	- DCMB - VOL. 7494 FOL.	187		
Depth Limitation :	NIL		ANY REFERENCE TO MAP IN THE TEXT MEAN	S THE DIAGRAM SHOWN ON THIS TITLE PLAN
	Descrip	otion of Land/ Easement Infor	B5°15' 7E 638 7E LOT 1	THIS PLAN HAS BEEN PREPARED BY LAND REGISTRY, LAND VICTORIA FOR TITLE DIAGRAM PURPOSES COMPILED: Date 2/02/06 VERIFIED: A. DALLAS Assistant Registrar of Titles
		(34) 42° A 201 251° 367 GOVT	PARCEL IDENTIFIERS	
		GOVT TABLE OF WARNING: Where multiple parcet	PARCEL IDENTIFIERS	
		GOVT TABLE OF WARNING: Where multiple parcet	PARCEL IDENTIFIERS	
LENGTHS ARE IN LINKS		COV.T TABLE OF WARNING: Where multiple parcel Not imply separately disposable pa	PARCEL IDENTIFIERS	Sheet 1 of 1 Sheets Printed 11/07/

PLANNING PROPERTY REPORT

This copied document is made available for the sole purpose of enabling its consideration and review as part of a planning processing the Blanning and Environment Act 1987. The document must not be for any purpose which may breach any copyright.

From www.planning.vic.gov.au at 06 September 2023 04:13 PM

PROPERTY DETAILS

Address:	259 PRINCES HIGHW	AY ORBOST 3888	
Lot and Plan Number:	Lot 1 TP831316		
Standard Parcel Identifier (SPI):	1\TP831316		
Local Government Area (Council):	EAST GIPPSLAND		www.eastgippsland.vic.gov.au
Council Property Number:	12776		
Planning Scheme:	East Gippsland		<u> Planning Scheme - East Gippsland</u>
Directory Reference:	Vicroads 85 J5		
UTILITIES		STATE ELECTORATES	
Rural Water Corporation: South	ern Rural Water	Legislative Council:	EASTERN VICTORIA
Urban Water Corporation: East G	ippsland Water	Legislative Assembly:	GIPPSLAND EAST

OTHER

Outside drainage boundary

AUSNET

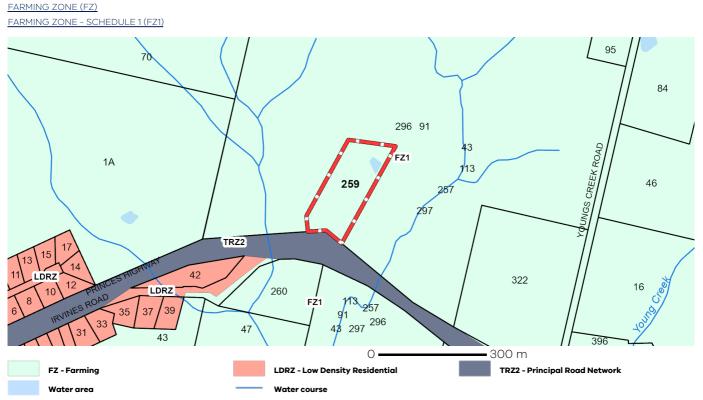
Registered Aboriginal Party: None

View location in VicPlan

Melbourne Water:

Power Distributor:

Planning Zones



Note: labels for zones may appear outside the actual zone - please compare the labels with the legend.

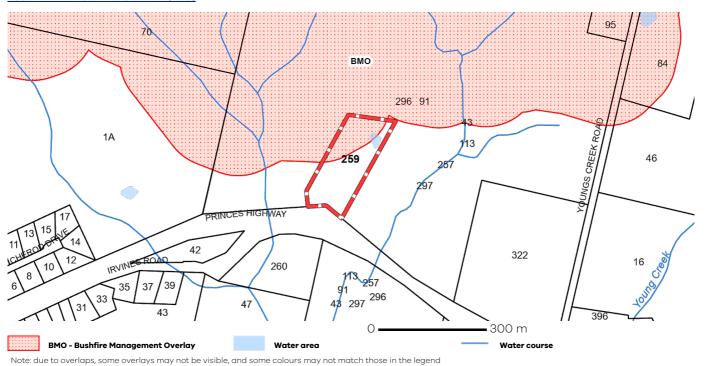
Copyright © - State Government of Victoria Disclaimer: This content is provided for information purposes only. No claim is made as to the accuracy or authenticity of the content. The Victorian Government does not accept any liability person for the information provided. Read the full disclaimer at https://www.delwp.vic.gov.au/disclaimer Printed 11/07/2024 red by section 32C (b) of the Sale of Page 5 port of 6

PLANNING PROPERTY REPORT

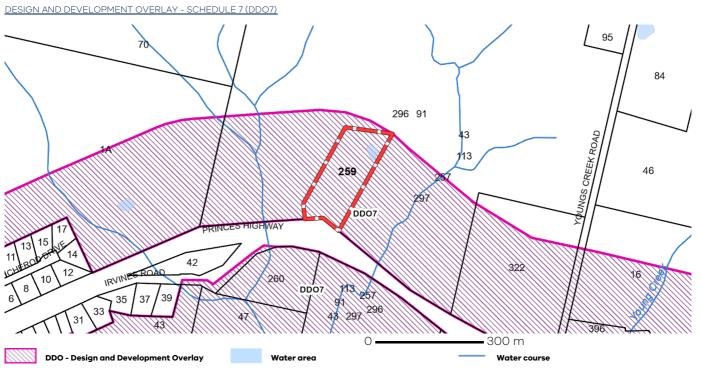
This copied document is made available for the sole purpose of enabling its consideration and review as part of a planning processinger the Blatting and Environment Act 1987. The document must not be right.

Planning Overlays

BUSHFIRE MANAGEMENT OVERLAY (BMO)



DESIGN AND DEVELOPMENT OVERLAY (DDO)



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

Copyright (a) - State Government of Victoria Disclaimer: This content is provided for information purposes only. No claim is made as to the accuracy or authenticity of the content. The Victorian Governmer person for the information provided. Read the full disclaimer at https://www.delwp.vic.gov.au/disclaimer nt does not accept any liability Printed 11/07/2024 red by section 32C (b) of the Sale of Page 6 poet 2 of 6

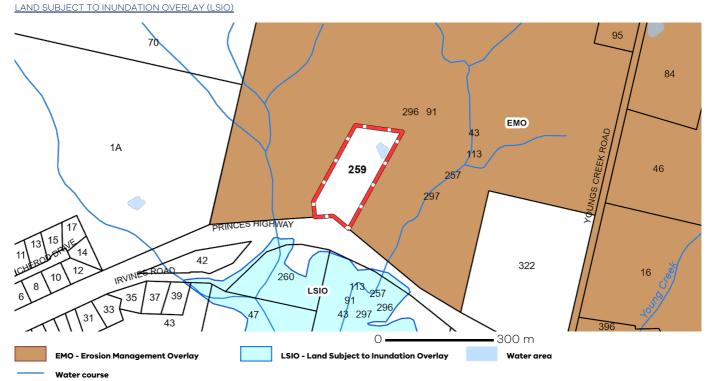
PLANNING PROPERTY REPORT

This copied document is made available for the sole purpose of enabling its consideration and review as part of a planning processing the Blacking and Environment Act 1987. The document must not be right.

Planning Overlays

OTHER OVERLAYS

Other overlays in the vicinity not directly affecting this land EROSION MANAGEMENT OVERLAY (EMO)



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

Copyright © - State Government of Victoria Disclaimer: This content is provided for information purposes only. No claim is made as to the accuracy or authenticity of the content. The Victorian Government does not accept any liability to any person for the information provided. Read the full disclaimer at https://www.delwp.vic.gov.au/disclaimer Printed 11/07/2024 red by section 32C (b) of the Sale of Page 7 of f age 3 of 6

PLANNING PROPERTY REPORT

This copied document is made available for the sole purpose of enabling its consideration and review as part of a planning processinger the Blanning and Environment Act 1987. The document must not be

right.

Areas of Aboriginal Cultural Heritage Sensitivity

All or part of this property is an 'area of cultural heritage sensitivity'.

'Areas of cultural heritage sensitivity' are defined under the Aboriginal Heritage Regulations 2018, and include registered Aboriginal cultural heritage places and land form types that are generally regarded as more likely to contain Aboriginal cultural heritage.

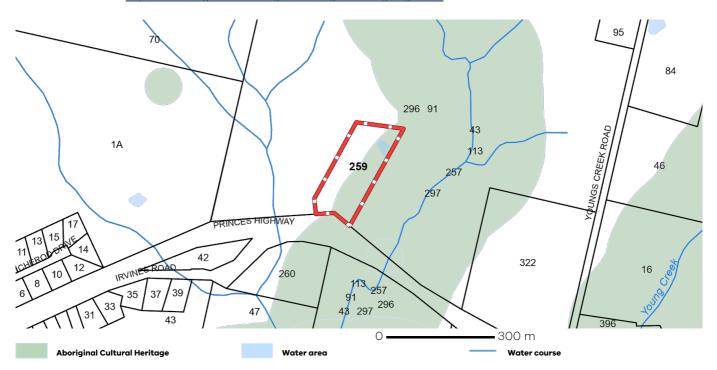
Under the Aboriginal Heritage Regulations 2018, 'areas of cultural heritage sensitivity' are one part of a two part trigger which require a 'cultural heritage management plan' be prepared where a listed 'high impact activity' is proposed.

If a significant land use change is proposed (for example, a subdivision into 3 or more lots), a cultural heritage management plan may be triggered. One or two dwellings, works ancillary to a dwelling, services to a dwelling, alteration of buildings and minor works are examples of works exempt from this requirement

Under the Aboriginal Heritage Act 2006, where a cultural heritage management plan is required, planning permits, licences and work authorities cannot be issued unless the cultural heritage management plan has been approved for the activity.

For further information about whether a Cultural Heritage Management Plan is required go to http://www.aav.nrms.net.au/aavQuestion1.aspx

More information, including links to both the Aboriginal Heritage Act 2006 and the Aboriginal Heritage Regulations 2018, can also be found here - https://www.aboriginalvictoria.vic.gov.au/aboriginal-heritage-legislation



Copyright @ - State Government of Victoria Disclaimer: This content is provided for information purposes only. No claim is made as to the accuracy or authenticity of the content. The Victorian Governmer **Disclaimer:** This content is provided for information purposes only. person for the information provided. Read the full disclaimer at <u>https://www.delwp.vic.gov.au/disclaimer</u> Printed 11/07/2024 red by section 32C (b) of the Sale of Page 8 of 26

PLANNING PROPERTY REPORT

This copied document is made available for the sole purpose of enabling its consideration and review as part of a planning processinger the Blanning and Environment Act 1987. The document must not be

right.

Further Planning Information

Planning scheme data last updated on 1 September 2023.

A planning scheme sets out policies and requirements for the use, development and protection of land. This report provides information about the zone and overlay provisions that apply to the selected land. Information about the State and local policy, particular, general and operational provisions of the local planning scheme that may affect the use of this land can be obtained by contacting the local council or by visiting https://www.planning.vic.gov.au

This report is NOT a Planning Certificate issued pursuant to Section 199 of the Planning and Environment Act 1987. It does not include information about exhibited planning scheme amendments, or zonings that may abut the land. To obtain a Planning Certificate go to Titles and Property Certificates at Landata - https://www.landata.vic.gov.au

For details of surrounding properties, use this service to get the Reports for properties of interest.

To view planning zones, overlay and heritage information in an interactive format visit https://mapshare.maps.vic.gov.au/vicplan

For other information about planning in Victoria visit <u>https://www.planning.vic.gov.au</u>

Copyright © - State Government of Victoria Disclaimer: This content is provided for information purposes only. No claim is made as to the accuracy or authenticity of the content. The Victorian Government does not accept any liability person for the information provided. Read the full disclaimer at https://www.delwp.vic.gov.au/disclaimer Printed 11 Printed 11/07/2024

Page 9 of 26

PLANNING PROPERTY REPORT

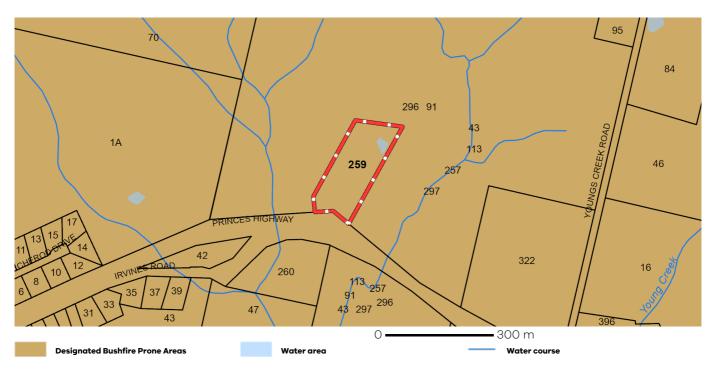
This copied document is made available for the sole purpose of enabling its consideration and review as part of a planning processinger the Blanning and Environment Act 1987. The document must not be right.

Designated Bushfire Prone Areas

This property 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.

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

Native Vegetation

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 NatureKit (environment.vic.gov.au)

Copyright @ - State Government of Victoria Disclaimer: This content is provided for information purposes only. No claim is made as to the accuracy or authenticity of the content. The Victorian Government **Disclaimer:** This content is provided for information purposes only. person for the information provided. Read the full disclaimer at <u>https://www.delwp.vic.gov.au/disclaimer</u> Printed 11/07/2024

Page 10 of the Sale of

This copied document is made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright.

LAND CAPABILTY ASSESSMENT FOR DISPOSAL OF DOMESTIC WASTEWATER ONSITE

SITE:

259 Princes Highway Orbost

CONTRACT No. :

CLIENT:

D + N Macalister 259 Princes Highway Orbost 3888

DATE: 5.6.24

REFERENCE: 240601

Prepared by: C D Watts (M.I.E Aust.) Chartered Professional Engineer. ph (03) 515 60 515 Fax (03) 515 60 516 Mobile 0412 5 60 515



Printed 11/07/2024 Page 11 of 26 C D WATTS & ASSOCIATES CONSULTING ENGINEERS EC-1402 ADVERTISED This copied document is made available for the sole purpose of enabling its consideration and review as PROJECT adCoft at plass interverse winder the Planning and Environmen PRPOST987. The document must not be used for any purpose which may breach any copyright.

This report has been prepared to assess the suitability of the site for the disposal of domestic wastewater on site and to determine the most suitable method of disposal.

Description of the Property

The allotment is situated on the Northern side of the princes Highway approximately 2.0km East of Orbost. The intention is to construct a new single storey dwelling on the site, the dwelling is to have three bedrooms. The allotment is a small size rural property of approximately 3.45 hectares in area. The site is serviced by a reticulated water supply, however there is no sewerage system available. The new dwelling will be serviced by a standard septic tank with on site disposal via ground absorption trenches. The purpose of this report is to establish the design parameters for the new system and make recommendations for the most appropriate disposal system. The site is bounded on all sides by broad acre farm land.

The allotment is mostly clear and has recently been used for grazing. The allotment was an original saw mill with the proposed building site used for log storage. Some of the original buildings are located to the North of the building area. The proposed Land application area (LAA) is to the south of the proposed dwelling site and has a slight to moderate fall to the South. The area has previously been filled at least 50+ years ago, to a depth of around 2.0m. A dam was located to the south of the proposed LAA but has recently been filled in. During the original saw mill days there were a number of small houses to the west of the building site, there is now only one remaining. The existing dwellings wastewater is disposed off to the West and will not be affected by the proposed development. There are no other areas of environmental significance on the site.



SITE LOOKING SOUTH FROM BUILDING SITE

C D WATTS & ASSOCIATES CONSULTING ENGINEERS EC-1402 This copied document is made available for the sole purpose of enabling its consideration and review as PROJECTPACCAL TOLAST INTRODESCERSWINDER the Planning and Environmen^{ORBOST}987. The document must not be 240601 used for any purpose which may breach any copyright.

Soil conditions on the site consist of approximately 150mm of brown/fawn sandy silt overlying orange/yellow sandy clay – Bore No. 1 and approximately 1000mm of fawn/brown silt overlying dark brown sandy silt – Bore No.2. The intention is to regrade the site and spreading at lest 200mm of imported topsoil over the area.

Site Drainage/Flood Potential.

The site has adequate drainage and would be considered to be medium in terms of the land capability assessment. The site is not likely to generate much storm water runoff.

Site slope / Landslip potential.

The tested site has a slight to moderate fall to the South. The potential for landslip is low.

Seasonal water table.

The water table in this area would be more than 20m below existing ground level. The potential for a seasonal perched water table is considered to be low given the soil profile.

Rainfall and evaporation.

Records kept by the East Sale Bureau of Meteorology indicate an annual mean rainfall for the area of 691 mm/yr (Orbost - Mean annual) and a pan evaporation of 1350mm/yr (Sale). Both figures are considered to be satisfactory in terms of the site assessment parameters.

In terms of the Land Capability Assessment (LCA) parameters the proposed wastewater absorption field sites rate as fair.

SOIL ANALYSIS RESULTS

B1 Orange/grey sandy clay DLR 6 mm/d (Max. rate 8 mm/d) Conservate rate based on lowest rate.

SITE ANALYSIS

<u>Residence</u> Wastewater yield for proposed dwelling:

3 Bedroom dwelling 4 persons @ 180 Lt/day = 720 L/Day.

Reticulated water with standard water conserving features including dual flushing toilets 11/5.5, shower flow restrictors, aerator faucets and water conserving automatic washing machines. Ref 2.

SYSTEM DESIGN

1. Water Balance

Based on the hydraulic loading to the site of 720 l/day and a design hydraulic loading rate of the soil of 6 mm/day the water balance yields a requirement of 90 lin.m of trench to an area of at least126m².

On this basis the land application area would consist of $346m^2$ ($10.5m \times 33m$). The area available for nutrient disposal is $13.5 \times 36 = 486m^2$ (which includes offets).

2. Nutrient Balance

 N concentration:
 30 mg/l

 N loading rate:
 250 kg/ha/yr\

 Irrigation area required (N):
 (30E-6 x 0.8* x 0.8* x 720 x 365)/250 = .025 ha (250m²)

ADVERTISED This copied document is made available for the sole purpose of enabling its consideration and review as PROJECT adCat a planning preservement the Planning and Environment PRPOST 987. The document must not be 240601 used for any purpose which may breach any copyright.

+ Allowance for losses due to leaching and soil processes (denitrification).

Phosphorus	50 year design life	
	P concentration:	range 5 – 25mg/l
		Use 10mg/l = 2.64 kg/yr (132kg)
	P sorption:	500 kg/ha (Based on 750mm depth of soil)
	P uptake:	50 kg/ha/yr (2500 kg/ha)\
Land application	area required (P):	$132/(2500 + 500) = 0.044$ ha $(440m^2)$
Design life 50 yea	rs	
<u>Summary</u>	Irrigation area requ	
Hydraulic load	126m ² F	Requires I A A of $346m^2$ (10 5m x 33m)

Hydraulic load:	126m ² Requires LAA of 346m ² (10.5m x 33m).
Nitrogen load:	$250m^2 < 486 m^2$
Phosphorus load:	
•	

Adopt: 346m ²	Based on the most limiting balance result.
	Require 3 No. x 30m @ 3600 spacing
	LAA 10.5m x 33m.

RECOMMENDATIONS / CONCLUSION

C D WATTS & ASSOCIATES

CONSULTING ENGINEERS

EC-1402

Based on the land capability assessment it is in our opinion that the site is of sufficient size and the soil is of adequate quality to cater for disposal of wastewater on site, by the use of conventional septic tank systems. The final design and layout prepared by the Plumber must confirm the site layout with particular reference to minimum offsets as specified in the Septic Tank Specification.

In our opinion this site is suitable for on site wastewater disposal utilizing absorption trenches constructed in accordance with the requirements of the Septic Tanks Code of Practice. The minimum absorption field is to consist of <u>346m²</u>. This area in our opinion is best utilized by having three absorption trenches, 700mm in width and a minimum length of 30m or as determined by the Health Inspector. We consider the triple trench arrangement is best suited to this site.

When planning the proposed absorption field, it should be noted that no shrub or tree should be located within approximately 1.5 times the mature height of the tree or 4m minimum of the proposed trench, the trenches need to run parallel with the natural ground contours. Vehicles must be prevented from driving on or near the absorption field.

Absorption fields should be sown with a mix of strawberry or white clover and perennial rye grass soon after completion, these grasses aid in the transpiration of wastewater and help control erosion. The proposed LAA may need to be mounded up by between 150-200mm to provide improved drainage, review and confirm onsite.

The installation of the effluent absorption trenches is to be in strict accordance with this report, The Septic tank specification supplied by the Health department and the Code of Practice - Septic Tanks E.P.A Publication 451.

C. D Watts MIE BE APEC Engineer 147467 PE0001209 Engineer (Civil) 5.6.24

Printed 11/07/2024 Page 14 of 26

C D WATTS & ASSOCIATES CONSULTING ENGINEERS EC-1402 This copied document is made available for the sole purpose of enabling its consideration and review as PROJECTEDCOLATORIANINGNOESCESSWINDEr the Planning and Environmen(PABQST987. The document must not be used for any purpose which may breach any copyright.

<u>Appendix</u>

Bore log profiles.

Test Site location plan.

Land Capability Assessment Table.

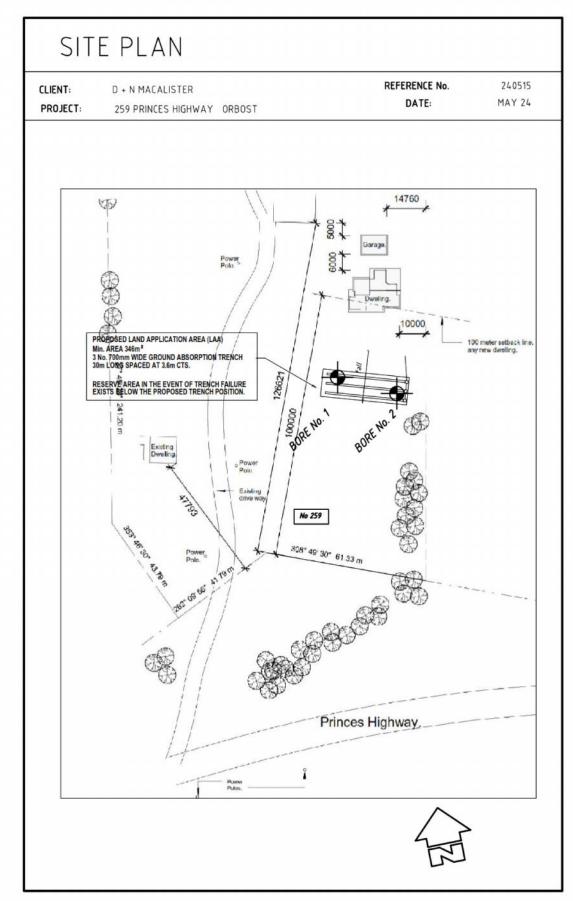
Water balance.

Ref 1.	"CODE OF PRACTICE ONSITE WASTEWATER MANAGEMENT."
	EPA Publication 891.4 – July 2016.
Ref 2.	"ON SITE DOMESTIC WATEWATER MANAGEMENT"
	AS 1547:2012.
Ref 3.	"LAND CAPABILITY ASESSMENT FOR ONSITE DOMESTIC WATEWATER MANAGEMENT". EPA Publication No. 746 2001
Ref 4.	"LAND CAPABILITY ASESSMENT FOR ONSITE DOMESTIC WATEWATER MANAGEMENT". EPA Publication No. 746.1 2003
Ref 5.	"SEPTIC TANKS CODE OF PRACTICE."
	EPA Publication 891 – 2003.
Ref 6.	"CERTIFICATE OF APPROVAL: Soil absorption/Transpiration systems." EPA Publication CA 1.2/03 – 2003.

C D WATTS & ASSOCIATES CONSULTING ENGINEERS EC-1402 This copied document is made available for the sole purpose of enabling its consideration and review as PROJECTPACCAL TO LAST MARGY DESCRESS WINDer the Planning and Environmen PAROS 1987. The document must not be used for any purpose which may breach any copyright.

	ENT: D + N MACALISTER OJECT: 259 PRINCES HIGHWAY ORBOST			REFERENC DATE:	E No.	240515 MAY 24	
SOIL CLASS	SOIL DESCRIPTION	DEPTH	CLASSIFICA TION	MOIS TURE	DENSITY		DESIGN IRRIGATION
	BORE No. ONE						
5a	SILT. fawn / brown - some organic material CLAY. orange / grey - sandy medium plasticity	- 1.0	STORE SC	moist moist			6
	END OF BORE	2.0 					
За	BORE No. FOUR SILT. brown - some organic material			moist	firm		10
	SILT. dark brown - sandy	- 1.0 - -	SM	moist	stiff		
	END OF BORE	- - 2.0 					
_	E DESCRIPTION Site falls to the South - Slight to Site has been filled to a depth of DUND WATER / SITE DRAINAGE No_ground to					revious).	
	DUND WATER / SITE DRAINAGE No ground TE CLASSIFICATION Soil Class 'M' AS 2870						_

C D WATTS & ASSOCIATES CONSULTING ENGINEERS EC-1402 This copied document is made available for the sole purpose of enabling its consideration and review as **PROJECTPACCALE** planning preservement the Planning and Environment PAROST987. The document must not be used for any purpose which may breach any copyright.

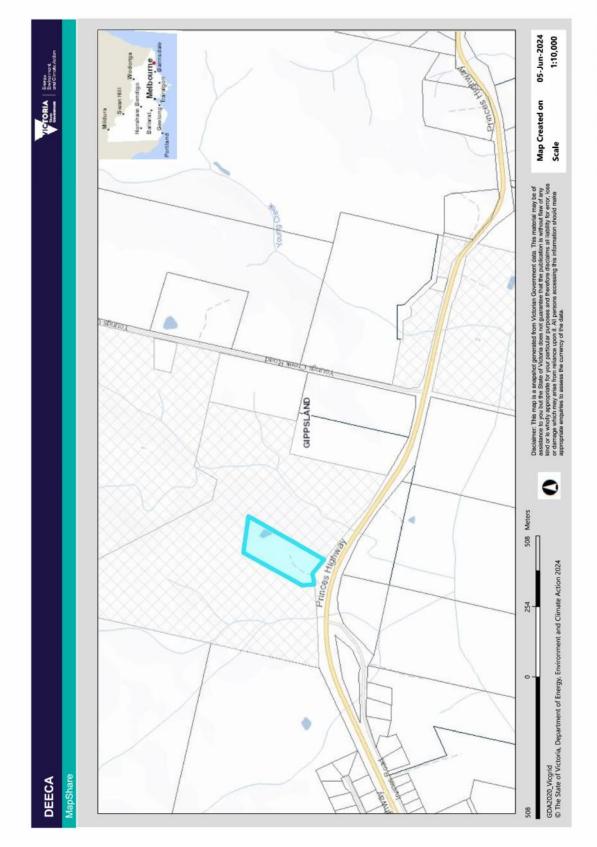


Printed 11/07/2024 Page 17 of 26

C D WATTS & ASSOCIATES CONSULTING ENGINEERS EC-1402 This copied document is made available for the sole purpose of enabling its consideration and review as **PROJECTPARCALET planning up ESCESS Winder** the Planning and Environmen(PRPOST987. The document must not be 240601 used for any purpose which may breach any copyright.



C D WATTS & ASSOCIATES CONSULTING ENGINEERS EC-1402 This copied document is made available for the sole purpose of enabling its consideration and review as PROJECTPARCAL TOLAST INTRODUCES WINDER THE Planning and Environmen^{ORBOST}987. The document must not be used for any purpose which may breach any copyright.



SITE PLAN

Printed 11/07/2024 Page 19 of 26

C D WATTS & ASSOCIATES CONSULTING ENGINEERS EC-1402 This copied document is made available for the sole purpose of enabling its consideration and review as PROJECTPACCALET plasming preserves winder the Planning and Environmen PAROST987. The document must not be used for any purpose which may breach any copyright.

ORBOST

259 PRINCES HIGHWAY ORBO	DST Evap.data

 70th Percentile monthly rainfall
 average Pan evaporation

 Source: AS1547-1994
 - Table G1
 (Prepared by R.A. Patterson, Lanfax Labs. Armidale updated April 2006)

Void spa	ce in drai	nfield =	30%							
1			2	3	4	5	6	7	8	9
Month	Days	daily pan	Pan Eo	Et	Rainfall	Retained	LTAR*N	Disposal	Effluent	Size of
	per month	(B.Met)		+Cf*Eo	P	Rainfall Re=(1-r)P		rate/month (Et-Re)+	per month	area (8)/(7)
		mm	mm	mm	mm	mm	mm	mm	120 L	m2
Jan	31	5.3	164.3	148	58.1	40.7	186	293,2	22320	76
Feb	28	4.8	134.4	121	45.7	32.0	168	257.0	20160	78
Mar	31	4.0	124.0	112	47	32.9	186	264.7	22320	84
Apr	30	2.7	81.0	49	55.6	38.9	180	189.7	21600	114
May	31	2.2	68.2	41	57.1	40.0	186	187.0	22320	119
Jun	30	1.4	42.0	25	67.2	47.0	180	158.2	21600	137
Jul	31	1.5	46.5	28	48.9	34.2	186	179.7	22320	124
Aug	31	1.8	55.8	33	51.3	35.9	186	183.6	22320	122
Sep	30	2.5	75.0	45	61.8	43.3	180	181.7	21600	119
Oct	31	4.3	133.3	120	71.7	50.2	186	255.8	22320	87
Nov	30	5.3	159.0	143	63.1	44.2	180	278.9	21600	77
Dec	31	5.4	167.4	151	63.8	44.7	186	292.0	22320	76
		Totals	1250.9	1015	691.3	483.9		194 - 195 195		

TABLE G2 - Depth of stored effluent First trial - choose from col.9 table above

1	2	3	4	5	6	7	8	9	10	11
month	first trial	application	Disposal	(3)-(4)	Increase	Starting	increase	computed	reset if	equivalent
	area	rate	rate		depth of	depth	depth	depth	Et deficit	storage
	(m2)	(8)*/(2)	per month		stored	effluent	effluent	effluent	<0	10 x area
			(above)'		effluent	for		(X)		
		(mm)	(mm)	(mm)	(5)/0.3	month	+(6)	(mm)	(mm)	(L)
Dec										
Jan	126	177	293	-116	-387	0	-387	-387	0	0
Feb		160	257	-97	-323	0	-323	-323	0	0
Mar		177	265	-88	-292	0	-292	-292	0	0
Apr		171	190	-18	-61	0	-61	-61	0	0
May		177	187	-10	-33	0	-33	-33	0	0
Jun		171	158	13	44	0	44	44	44	1672
Jul		177	180	-3	-8	44	-8	36	36	1353
Aug		177	184	-6	-21	36	-21	14	14	544
Sep		171	182	-10	-34	14	-34	-20	0	0
Oct		177	256	-79	-262	0	-262	-262	0	0
Nov		171	279	-108	-358	0	-358	-358	0	0
Dec		177	292	-115	-383	0	-383	-383	0	0
Jan		177	293	-116	-387	0	-387	-387	0	0
Feb		160	257	-97	-323	0	-323	-323	0	0
Mar		177	265	-88	-292	0	-292	-292	0	0
Apr		171	190	-18	-61	0	-61	-61	0	0
May		177	187	-10	-33	0	-33	-33	0	0
From calcul	ations in ta	bles above	for optimised	d drainfield a	area, using	Appendix G	AS1547-1	994		
Variables				f Coeff =		percentag				
- unubics	Tuble	Summ				crop tran	-		Mar	
			ner Crop F				•			
		N	linter Cro	p Factor	0.6	crop tran	spiration	rate -Apr	r-Sep	
Change as required				LTAR =	6	L/m2/day	Ú.			
			F	LOWS=	720	L/day				
				Lono	120					
Estimato	d area of	offluont	drainfield	- 1	126	square m	otroc			
Maximun	depth o	of stored e	effluent	-	- 44	mm dept	h			
Trench d	imanela	ac (mm)		width =	700	-	depth =	450		
				widul -			ueptii -	450		
Length o	trench	required	=		90	metres				
NOTES										

NOTES:

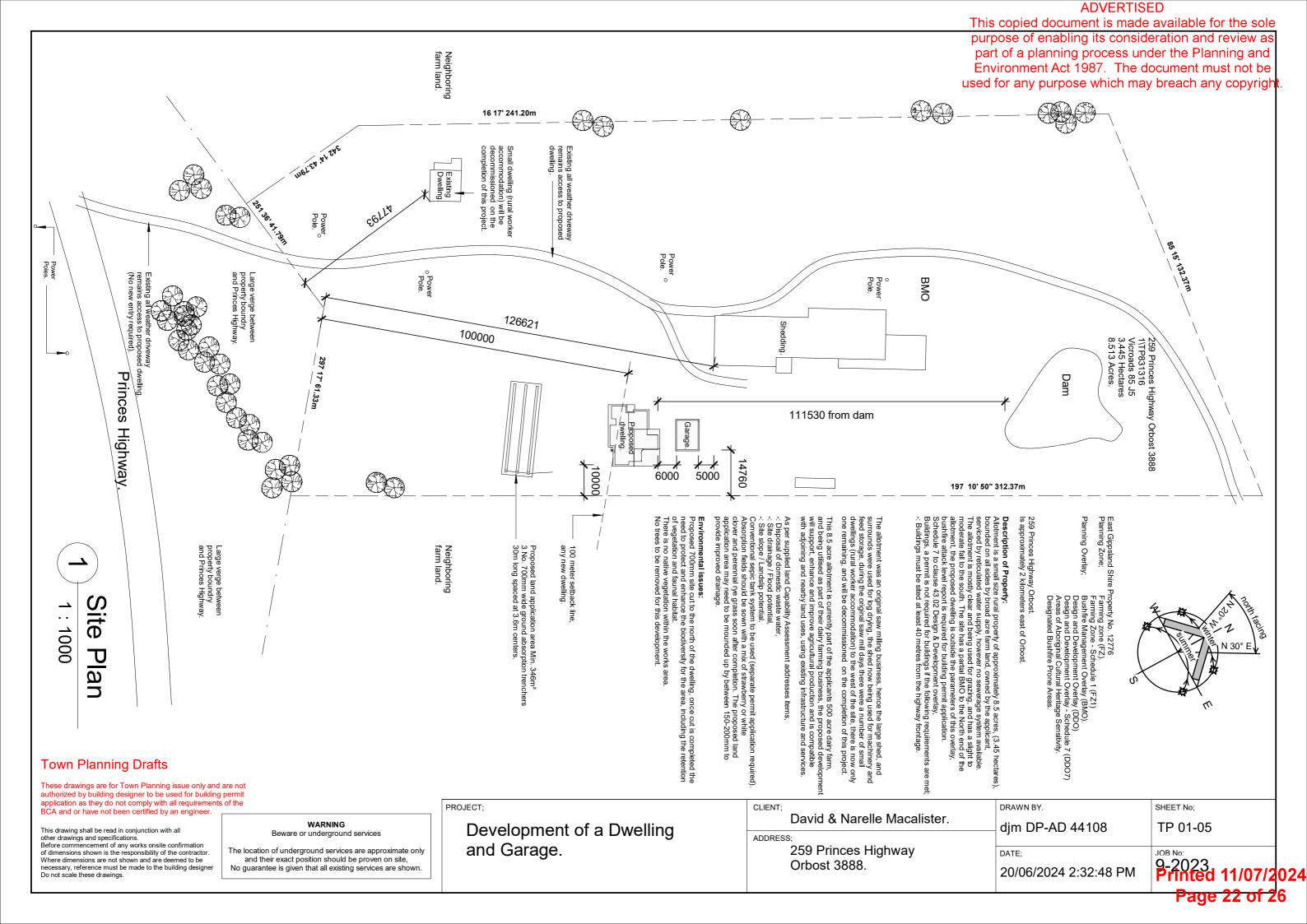
As a model, the best results are only ESTIMATES of performance.

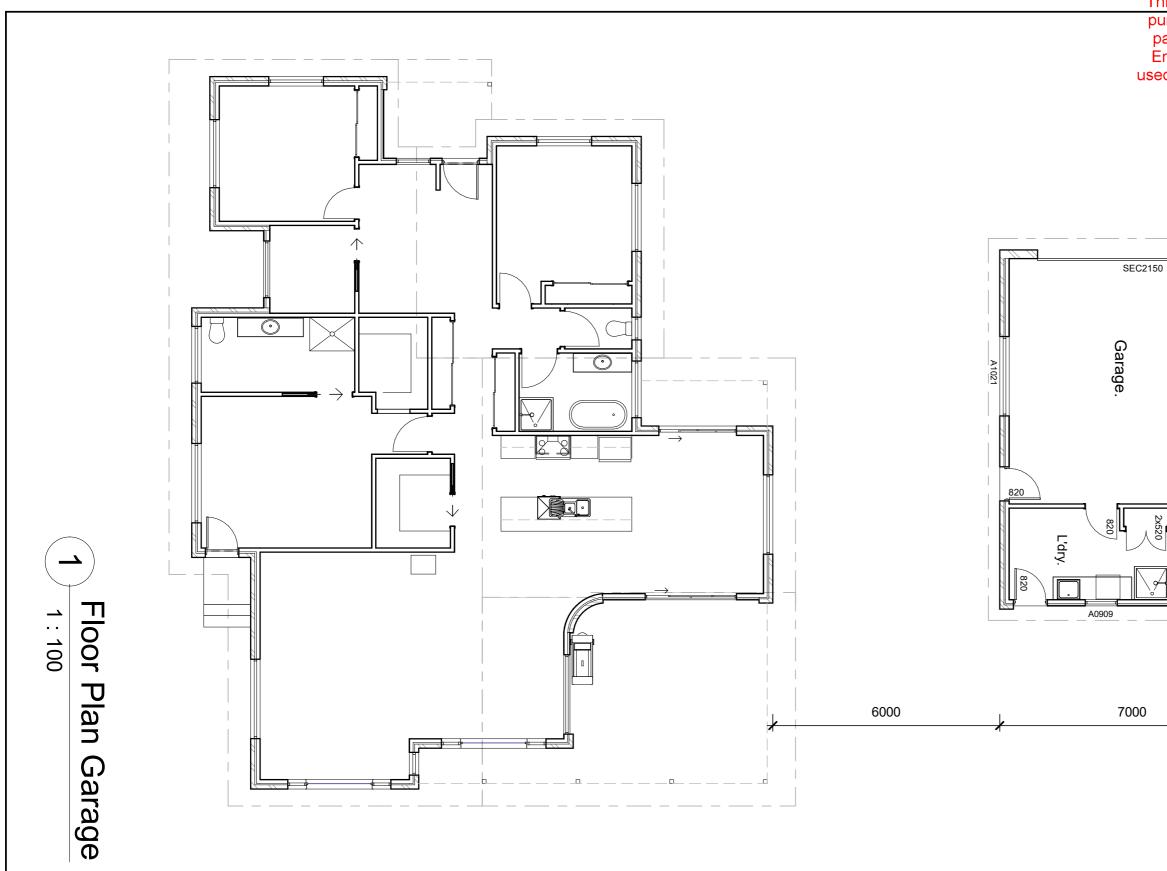
A model is used to assess SENSITIVITY to changes in the variables and the effect upon application area Table 2 is run for 16 months to ensure system returns to ZERO at some stage

C D WATTS & ASSOCIATES CONSULTING ENGINEERS EC-1402 This copied document is made available for the sole purpose of enabling its consideration and review as PROJECTPACCALETPLASTINITY DESCRESS WINDer the Planning and Environmen(PAROST987. The document must not be used for any purpose which may breach any copyright.

259 PRINCES HIGH	LAND CAPABILTY CLASS RATING					
LAND FEATURE	VERY GOOD (1)	GOOD (2)	FAIR (3)	POOR (4)	VERY POOF (5)	
SITE DRAINAG		GOOD				
SITE AREA	PHYSICAL		1	LIMITED		
RESTRAINTS	ENVIRONMENTAL	UNLIMITED				
FLOOD/INUNDATION POTENTIAL		NOT SUBJECT TO FLOODING		OODING		
DISTANCE TO E SENSITIVE ARE	>100m					
SLOPE (%)		8 - 12%		1		
LANDSLIP	LOW POTENTIAL			1		
SEASONAL WATER TABLE DEPTH		> 10m				
RAINFALL (mi	n/yr) ORBOST			691 mm		
PAN EVAPORA	TION (mm/yr) SALE		1350mm			
SOIL PROFILE	STRUCTURE			WEAK		
	PROFILE DEPTH			>2m		
	SODICITY esp%					
	SHRINKAGE		MEDIUM			
	DESIGN LOADING RATE mm/d			B1: 6		
	SOIL PERCOLATION RATE mm/day			B1: 18		
	STONINESS (%)	0 - 5 %				
	EMERSON TEST				B1:2	
	SALINITY					

SOIL SALINITY INFORMATION UNAVAILABLE, NO EVIDENCE OF SOIL SALINITY ON SITE.





Town Planning Drafts

These drawings are for Town Planning issue only and are not authorized by building designer to be used for building permit application as they do not comply with all requirements of the BCA and or have not been certified by an engineer.

This drawing shall be read in conjunction with all other drawings and specifications. Before commencement of any works onsite confirmation of dimensions shown is the responsibility of the contractor. Where dimensions are not shown and are deemed to be necessary, reference must be made to the building designer Do not scale these drawings.

WARNING

Beware or underground services

The location of underground services are approximate only

and their exact position should be proven on site,

No guarantee is given that all existing services are shown.

PROJECT;

Development of a Dwelling and Garage.

CLIENT;	David & Narelle Macalister.
	s.

259 Princes Highway Orbost 3888.

ADVERTISED This copied document is made available for the sole purpose of enabling its consideration and review as part of a planning process under the Planning and Environment Act 1987. The document must not be used for any purpose which may breach any copyright 3000 9500 Store 4760 N 30° 5 DRAWN BY. SHEET No; djm DP-AD 44108

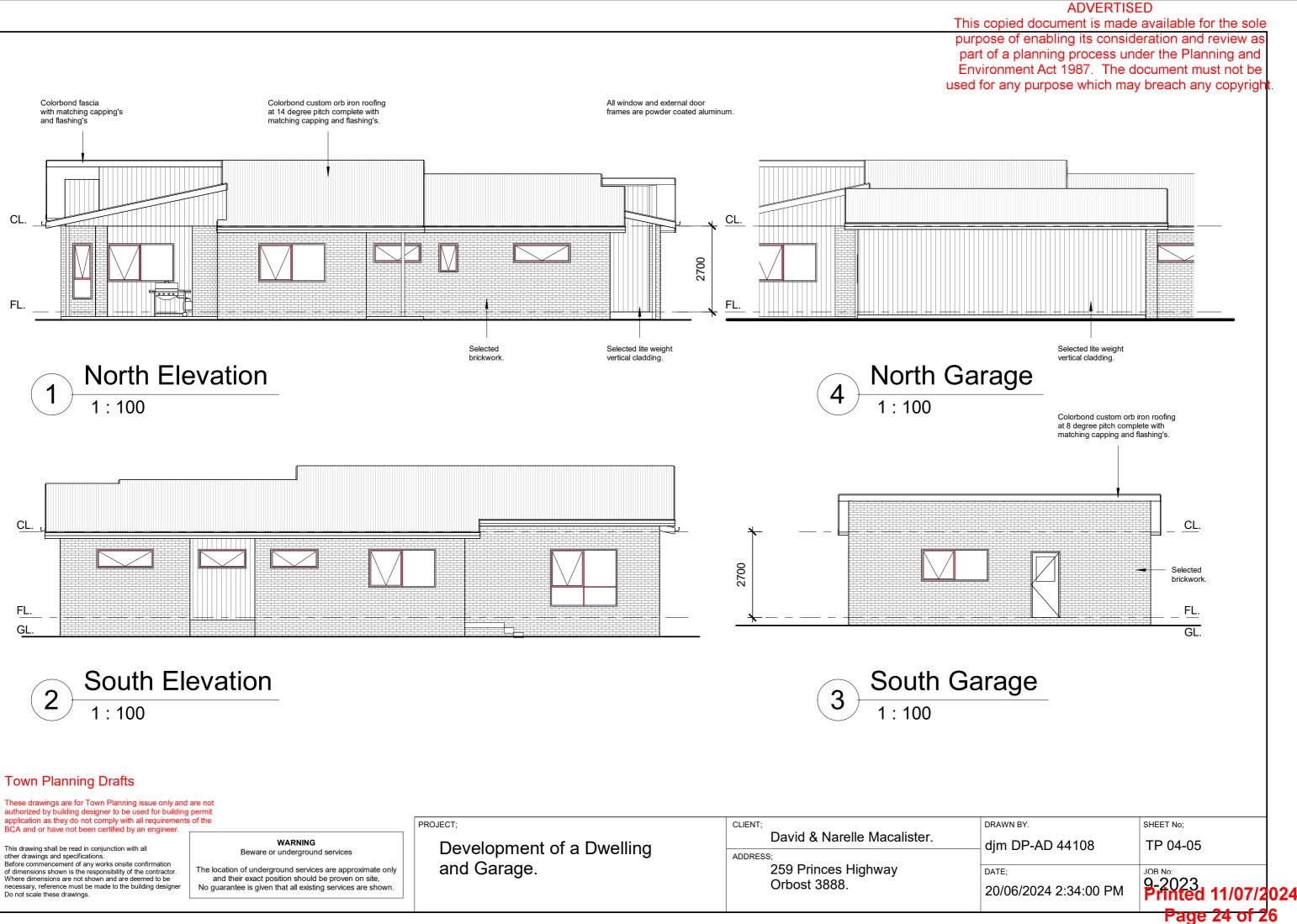
DATE;

20/06/2024 2:32:53 PM

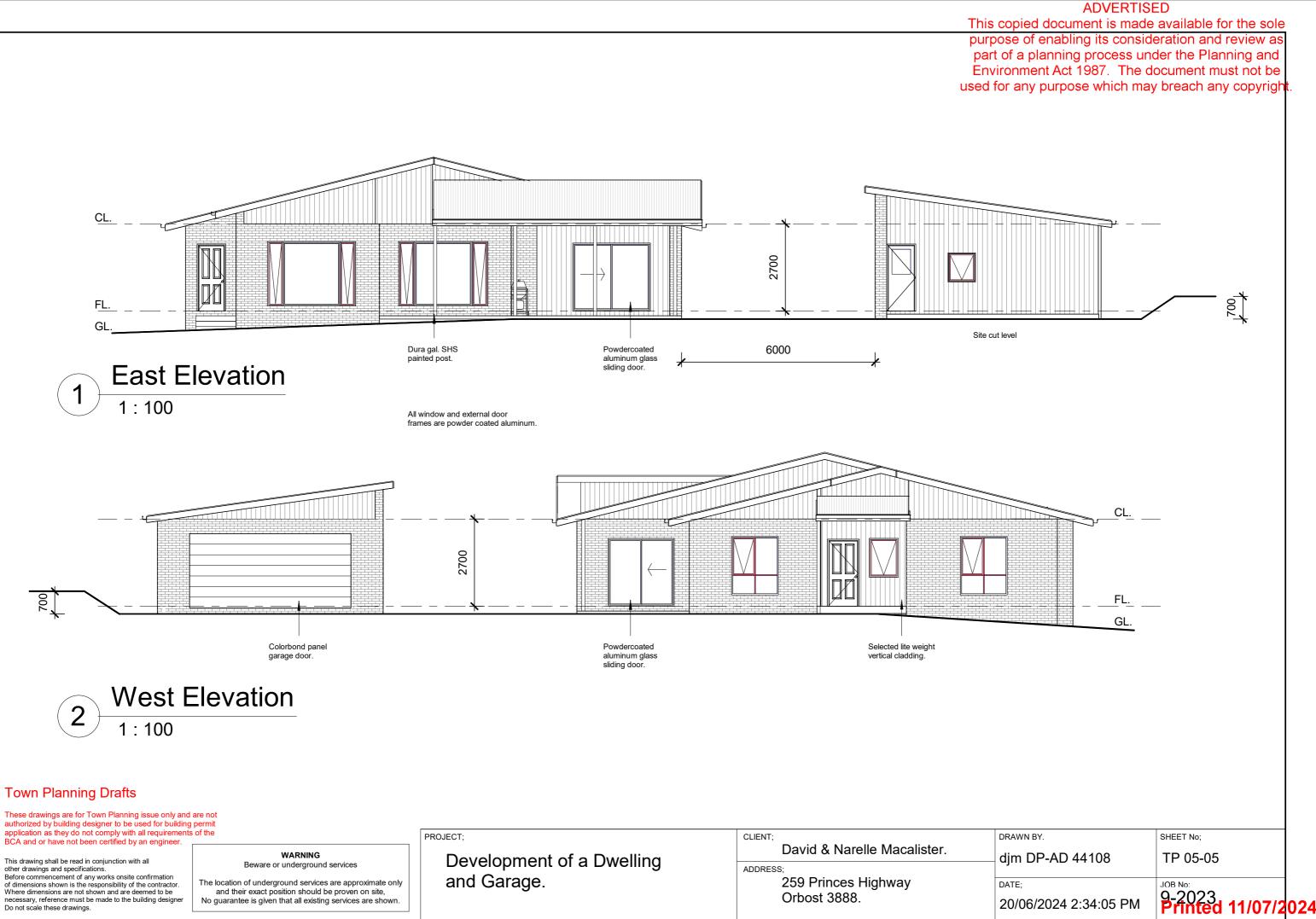
TP 03-05

JOB №: 9-2023 Printed 11/07/2024

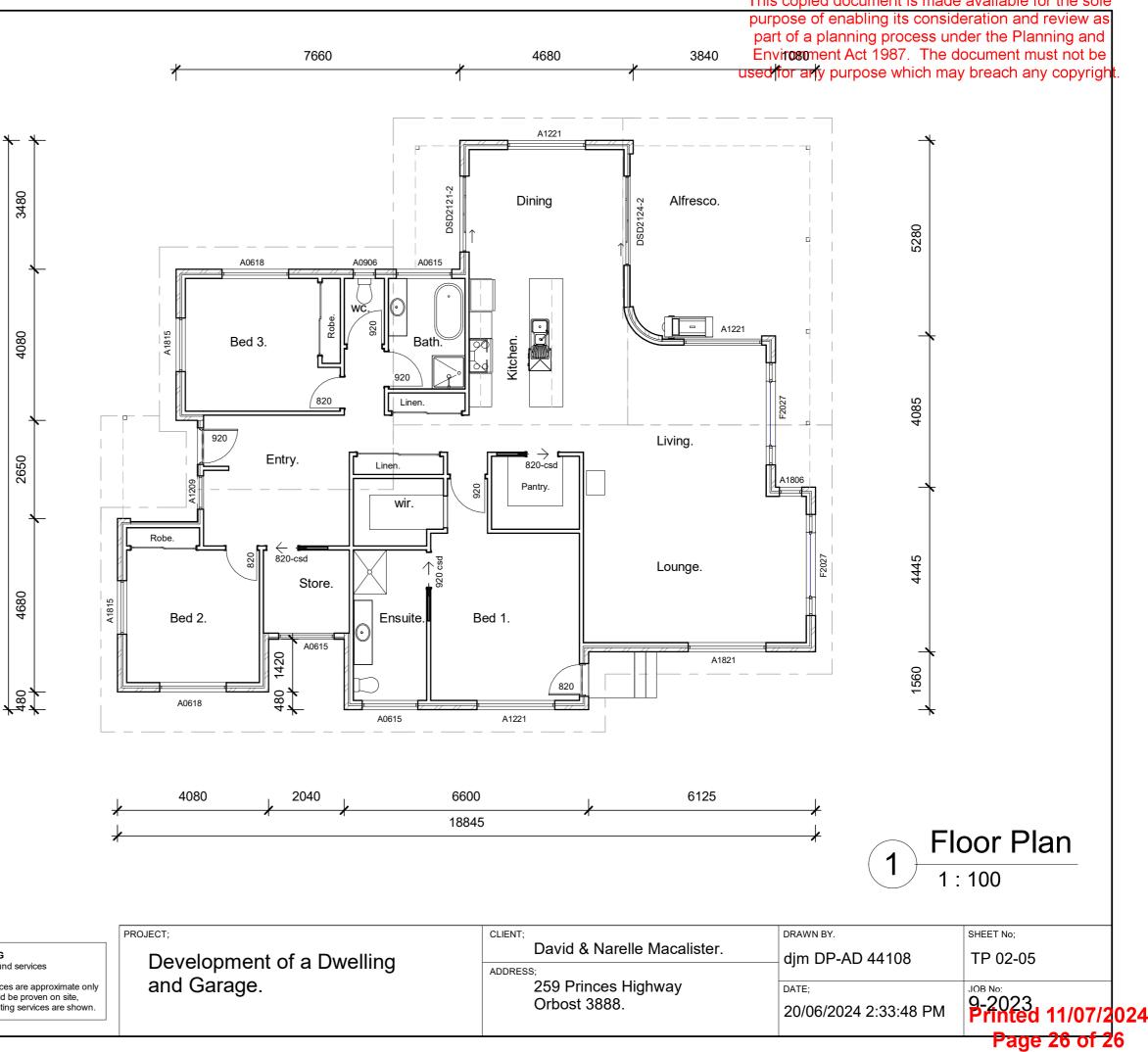
Page 23 of 26



Page 25 of 26



Name	Area	Squares	
Alfresco	30.23 m ²	3.25	
Residence.	199.63 m ²	21.49	
Garage	65.35 m ²	7.03	
north facing 100 N 200 2 N Minter Automatical	SE		



Town Planning Drafts

These drawings are for Town Planning issue only and are not authorized by building designer to be used for building permit application as they do not comply with all requirements of the BCA and or have not been certified by an engineer.

This drawing shall be read in conjunction with all other drawings and specifications.

Before commencement of any works onsite confirmation of dimensions shown is the responsibility of the contractor. Where dimensions are not shown and are deemed to be necessary, reference must be made to the building designer Do not scale these drawings.

Beware or underground services The location of underground services are approximate only and their exact position should be proven on site, No guarantee is given that all existing services are shown.

WARNING

15370

CLIENT;	David & Narelle Macalister.
ADDRESS	^{s;} 259 Princes Highway Orbost 3888.

ADVERTISED

This copied document is made available for the sole