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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 NOTICE OF AN APPLICATION FOR PLANNING PERM 1987. The document must not be used for any purpose which may breach any copyright.

The land affected by the application is located at:	160 Orrs Road WY YUNG VIC 3875 Lot: 11 PS: 600907	
The application is for a permit to:	Two lot subdivision	
A permit is required under th	e following clauses of the planning scheme:	
Planning Scheme Clause	Matter for which a permit is required	
Clause 35.03-3	A permit is required to subdivide land.	
Clause 44.01-5	A permit is required to subdivide land.	
The applicant for the permit is:	Development Solutions Victoria Pty Ltd	
The application reference number is:	5.2025.244.1	

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/advertised-planning-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.

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.

Application

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EAST GIPPSLAND

s47 Planning and Environment Act 1987; r13 Planning and **Environment Regulations 2015**

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Application

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s47 Planning and Environment Act 1987; r13 Planning and **Environment Regulations 2015**

Estimated cost of development:	\$NA	
Note: You may be required to verify this estimate		
Has there been a pre-application meeting: ☐ Yes ☑ No	Officer name:	
Your application reference number: 25050		

Application requirements and supporting documents Required:

- Title to each property subject to the application (must have been generated within the past 30 days)
- Full copy of Covenants or Section 173 agreements if applicable, and details of beneficiaries if there is a proposal which would contravene, alter, or end a covenant or restriction.
- Supporting documents which are mandatory requirements of the Planning Scheme (e.g. Native Vegetation Removal Report, Bushfire Management Statement, Geotechnical report/waiver)
- Plans as relevant to the proposal

Suggested, or subject to requirements of the scheme

- A report responding to the relevant application requirements and the policies and objectives of the East Gippsland Planning Scheme
- Supporting information/reports which are commonly considered with similar applications (e.g. Land Capability Assessment, Bushfire Management Statement, Geotechnical report/waiver)

If you need more space or have more information, please attach with this form.

Payment of Application Fees

This application has an associated cost to be confirmed by a senior planning officer in accordance with the Planning and Environment (Fees) Regulations 2016. An invoice will be generated once the application has been assessed to confirm it is complete

Took doctored to committee to the contract of					
Invoice Recipient (Payer): DEVELOPMENT SOLUTIONS VICTORIA PTY LTD					
Address 48 BAILEY STREET, BAIRNSDALE \	Address 48 BAILEY STREET, BAIRNSDALE VIC				
Postcode: 3875					
Email Address: ADMIN@DEVSOLVIC.COM.AU Phone Number: 03 5152 4858					

Privacy Statement

The East Gippsland Shire Council asks for details about you to make decisions on planning permit applications. The information you give to us on this form is used for your application and is required for Council to make its decision under the *Planning and Environment Act* 1987. Sometimes we may provide a copy of this application form to another person, but only if it is for a legitimate purpose that is related to the planning process, or we are allowed by law, or to protect people or property. If your information is put onto Council's website or provided to another person, Council will always try to make sure your privacy is protected in line with the Privacy and Data Protection Act 2014. For instance, if requested by another person, after deciding that it is requested for a legitimate purpose, Council will obtain an undertaking from the recipient confirming how they will use your personal information and that they will destroy it once used.

You may ask for more information about Council's Privacy Policy by contacting our Privacy Officer on 03 5153 9500 or e-mail feedback@egipps.vic.gov.au .You can gain access to information you provided to us through the Freedom of Information Act 1982, more information about FOI is available on Council's website.

Application

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EAST GIPPSLAND

Declarations:

I declare that I am the applicant and that all the information in this application is true and correct and the owner(s) (if not myself) has (have) been notified of the permit application. I confirm that I have authority to use the relevant documents. In the event that the giving of notice is required pursuant to Section 52 of the Planning and Environment Act 1987, I permit documents submitted as part of this application, including my full contact information, to be made available for public viewing on Council's website. In the event that the giving of notice is required pursuant to Section 52 of the Planning and Environment Act 1987, and I receive instructions to give notice to potentially affected parties, I confirm that I will destroy the instructions and personal information once the information is no longer necessary. I accept the East Gippsland Shire Council Privacy Statement.

Applicant signature:					
Name: COURTNEY CAMPBELL	Date:	21	<u>/ 07 /</u>	2025	

Contact Council



03 5153 9500



feedback@egipps.vic.gov.au



eastgippsland.vic.gov.au



PO Box 1618, Bairnsdale 3875

Customer Service Centres:

Bairnsdale: 273 Main Street

Lakes Entrance: 18 Mechanics Street

Mallacoota: 70 Maurice Avenue

Omeo: 179 Day Avenue

Orbost: 1 Ruskin Street

Paynesville: 55 Esplanade



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The Victorian Government acknowledges the Traditional Owners of Victoria and pays respects to their ongoing connection and Control of Control o

REGISTER SEARCH STATEMENT (Title Seaked) for இவற்ற இரும் Setwhich may breach அவற்ற property Land Act 1958

VOLUME 11085 FOLIO 325

Security no: 124126297834Y Produced 17/07/2025 11:43 AM

LAND DESCRIPTION

Lot 11 on Plan of Subdivision 600907C. PARENT TITLE Volume 06647 Folio 284 Created by instrument PS600907C 14/08/2008

REGISTERED PROPRIETOR

Estate Fee Simple Joint Proprietors

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.

AGREEMENT Section 173 Planning and Environment Act 1987 AF939419K 30/06/2008

DIAGRAM LOCATION

SEE PS600907C FOR FURTHER DETAILS AND BOUNDARIES

ACTIVITY IN THE LAST 125 DAYS

NUMBER STATUS DATE

AZ255475M (E) REMOVAL OF AGREEMENT Registered 13/06/2025

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

Street Address: 160 ORRS ROAD WY YUNG VIC 3875

ADMINISTRATIVE NOTICES

NIL

DOCUMENT END



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Document Identification	PS600907C
Number of Pages	4
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LOTS I - 8 HAVE BEEN OMITTED FROM THIS PLAN

SURVEY. THIS PLAN IS / IS NOT BASED ON SURVEY

THIS SURVEY IS CONNECTED TO PERMANENT MARK No(s)

12 & 35

		EASEM	ENT INFORMA	TION	LR USE ONLY
LEGEND	A - Appurtenant Easement	E -	Encumbering Easement	R - Encumbering Easement (Road)	STATEMENT OF COMPLIANCE / EXEMPTION STATEMENT
Easement Reference	Purpose	Width (Metres)	Origin	Land Benefited/In Favour Of	RECEIVED
E-1	POWERLINE DRAINAGE	SEE DIAG.	THIS PLAN - SECTION 88 OF THE ELECTRICITY INDUSTRY ACT 2000 THIS PLAN	SPI ELECTRICITY PTY LTD EAST GIPPSLAND SHIRE COUNCIL	DATE 11 / 8 / 08 LR USE ONLY PLAN REGISTERED TIME 9.34 AM DATE /4/ 8 / 08 Assistant Registrar of Titles SHEET I OF 4 SHEETS
LICENSE 152 MAC	NTIPER & SACIEM PTY. LTD ED SURVEYORS & TOWN PLANN LEOD STREET, BAIRNSDALE, VIC., 3875 NE (03) 5152 5011	ERS	LICENSED SURVE SIGNATURE REF 1223	DATE 22/ II / 06	DATE / / COUNCIL DELEGATE SIGNATURE ORIGINAL SHEET SIZE A3



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Date 27 / 5 /2008

Agreement under Section 173 of the Planning and Environment Act 1987

Subject Land: 160 Orrs Road, Lucknow

East Gippsland Shire Council and

Dumell Holdings Pty Ltd - A.C.N. 006 835 374

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Agreement under Section 173 of the Planning and Environment Act 1987

DATE

/2008

/

BETWEEN

EAST GIPPSLAND SHIRE COUNCIL

of Corporate Centre, 273 Main Street, Bairnsdale

(Council)

30/06/2008 \$97

AF939419K

AND

DUMELL HOLDINGS PTY LTD A.C.N. 006 835 374of 120 Macleod Street, Bairnsdale

(Owner)

RECITALS

- A. Council is the Responsible Authority pursuant to the Act for the Planning Scheme.
- B. The Owner is or is entitled to be the registered proprietor of the Subject Land.
- C. On 2nd May 2006 Council issued Planning Permit No. 745/2005/P/A and was amended on 3 January 2007 ("Planning Permit") allowing the Subject Land to be subdivided into 21 lots in accordance with the Endorsed Plan. Condition 34 of the Planning Permit requires the Owner to enter into this Agreement to provide for the matters set out in that condition. A copy of the Planning Permit is available for inspection at Council offices during normal business hours upon giving the Council reasonable notice.
- D. Condition 34 of the Planning Permit provides that:

Section 173 Agreement. Before the issue of a Statement of Compliance, the owner of the land must enter into an agreement with Council in accordance with Section 173 of the Planning and Environment Act 1987 which will covenant that:

The Owners of lots 1, 8, 13, 14, 15 will not have any access to Orrs Road and the Owners of lot 11 will only have the one existing access to Orrs Road.

The Agreement will bind the Applicant as the Owner and must run with the land so that all successors in Title are bound by the Agreement. This Agreement will be prepared at the Applicant's expense and to the satisfaction of the Responsible authority, and must be registered on Title in accordance with Section 181 of the Planning and Environment Act 1987."

E. As at the date of this Agreement, the Subject Land is encumbered by Mortgage No. X798897C in favour of the Mortgagee. The Mortgagee has consented to the Owner entering into this Agreement with respect to the Subject Land.

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- F. The parties enter into this Agreement:
 - F.1 to give effect to the requirements of the Planning Permit; and
 - F.2 to achieve and advance the objectives of planning in Victoria and the objectives of the Planning Scheme in respect of the Subject Land.

THE PARTIES AGREE

1. **DEFINITIONS**

In this Agreement the words and expressions set out in this clause have the following meanings unless the context admits otherwise:

Act means the Planning and Environment Act 1987.

Agreement means this agreement and any agreement executed by the parties expressed to be supplemental to this agreement.

Endorsed Plan means the plan endorsed with the stamp of Council from time to time as the plan which forms part of the Planning Permit. A copy of the Endorsed Plan is available for inspection at Council offices during normal business hours upon giving the Council reasonable notice.

lot means a lot on the Endorsed Plan.

Mortgagee means the person or persons registered or entitled from time to time to be registered by the Registrar of Titles as Mortgagee of the Subject Land or any part of it.

Owner means the person or persons registered or entitled from time to time to be registered by the Registrar of Titles as proprietor or proprietors of an estate in fee simple of the Subject Land or any part of it and includes a Mortgagee-in-possession.

party or parties means the Owner and Council under this Agreement as appropriate.

Planning Scheme means the East Gippsland Planning Scheme and any other planning scheme that applies to the Subject Land.

Subject Land means the land situated at 160 Orrs Road, Lucknow being the land referred to in Certificate of Title Volume 6647 Folio 284 and any reference to the Subject Land in this Agreement includes any lot created by the subdivision of the Subject Land or any part of it.

2. INTERPRETATION

In this Agreement unless the context admits otherwise:

- 2.1 The singular includes the plural and vice versa.
- 2.2 A reference to a gender includes a reference to each other gender.

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 A reference to a person includes a reference to a firm, corporation or other corporate body and that person's successors in law.
- 2.4 If a party consists of more than one person this Agreement binds them jointly and each of them severally.
- 2.5 A term used in this Agreement has its ordinary meaning unless that term is defined in this Agreement. If a term is not defined in this Agreement and it is defined in the Act it has the meaning as defined in the Act.
- 2.6 A reference to an Act, Regulation or the Planning Scheme includes any Acts, Regulations or amendments amending, consolidating or replacing the Act, Regulation or Planning Scheme.
- 2.7 The introductory clauses to this Agreement are and will be deemed to form part of this Agreement.
- 2.8 The obligations of the Owner under this Agreement, will take effect as separate and several covenants which are annexed to and run at law and equity with the Subject Land provided that if the Subject Land is subdivided, this Agreement must be read and applied so that each subsequent owner of a lot is only responsible for those covenants and obligations which relate to that owner's lot.

3. SPECIFIC OBLIGATIONS OF THE OWNER

The Owner covenants and agrees that once the subdivision authorised by the Planning Permit is registered:

- 3.1 lots 1, 8, 13, 14 and 15 must not be accessible via Orrs Road; and
- 3.2 lot 11 must not be accessible via Orrs Road except via the access that already exists, to the satisfaction of Council.

4. FURTHER OBLIGATIONS OF THE OWNER

4.1 Notice and Registration

The Owner further covenants and agrees that the Owner will bring this Agreement to the attention of all prospective purchasers, lessees, mortgagees, chargees, transferees and assigns.

4.2 Further actions

The Owner further covenants and agrees that:

4.2.1 the Owner will do all things necessary to give effect to this Agreement;



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4.2.2 the Owner will make application to the Registrar of Titles to make a recording of this Agreement in the Register on the Certificate of Title of the Subject Land in accordance with Section 181 of the Act and do all things necessary for this to be done including signing any further agreement, acknowledgment or document or procuring the consent to this Agreement of any mortgagee or caveator to enable the recording to be made in the Register under that section.

4.3 Council's Costs to be Paid

The Owner further covenants and agrees that the Owner will immediately pay to Council, Council's reasonable costs and expenses (including legal expenses) of and incidental to the preparation, drafting, review, finalisation, engrossment, execution, registration and enforcement of this Agreement which are and until paid will remain a debt due to Council by the Owner.

5. AGREEMENT UNDER SECTION 173 OF THE ACT

Council and the Owner agree that without limiting or restricting the respective powers to enter into this Agreement and, insofar as it can be so treated, this Agreement is made as a Deed pursuant to Section 173 of the Act, and the obligations of the Owner under this Agreement are obligations to be performed by the Owner as conditions subject to which the Subject Land may be used and developed pursuant to the Planning Permit.

6. OWNER'S WARRANTIES

Without limiting the operation or effect which this Agreement has, the Owner warrants that apart from the Owner and any other person who has consented in writing to this Agreement, no other person has any interest, either legal or equitable, in the Subject Land which may be affected by this Agreement.

7. SUCCESSORS IN TITLE

Without limiting the operation or effect that this Agreement has, the Owner must ensure that, until such time as a memorandum of this Agreement is registered on the title to the Subject Land, successors in title shall be required to:

- 7.1 give effect to and do all acts and sign all documents which will require those successors to give effect to this Agreement; and
- 7.2 execute a deed agreeing to be bound by the terms of this Agreement.

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8. GENERAL MATTERS

8.1 Notices

A notice or other communication required or permitted to be served by a party on another party must be in writing and may be served:

- 8.1.1 by delivering it personally to that party;
- 8.1.2 by sending it by prepaid post addressed to that party at the address set out in this Agreement or subsequently notified to each party from time to time; or
- 8.1.3 by sending it by facsimile provided that a communication sent by facsimile shall be confirmed immediately in writing by the sending party by hand delivery or prepaid post.

8.2 Service of Notice

A notice or other communication is deemed served:

- 8.2.1 if delivered, on the next following business day;
- 8.2.2 if posted, on the expiration of 7 business days after the date of posting; or
- 8.2.3 if sent by facsimile, on the next following business day unless the receiving party has requested retransmission before the end of that business day.

8.3 No Waiver

Any time or other indulgence granted by Council to the Owner or any variation of the terms and conditions of this Agreement or any judgment or order obtained by Council against the Owner will not in any way amount to a waiver of any of the rights or remedies of Council in relation to the terms of this Agreement.

8.4 Severability

If a court, arbitrator, tribunal or other competent authority determines that a word, phrase, sentence, paragraph or clause of this Agreement is unenforceable, illegal or void then it must be severed and the other provisions of this Agreement will remain operative.

8.5 No Fettering of Council's Powers

It is acknowledged and agreed that this Agreement does not fetter or restrict the power or discretion of Council to make any decision or impose any requirements or conditions in connection with the granting of any planning approval or certification of any plans of subdivision applicable to the Subject Land or relating to any use or development of the Subject Land.

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9. COMMENCEMENT OF AGREEMENT

Unless otherwise provided in this Agreement, this Agreement commences from the date of this Agreement.

SIGNED, SEALED AND DELIVERED as a Deed by the parties on the date set out at the commencement of this Agreement.

The Common Seal of the East Gippsland Shire Council was hereunto affixed on the20 day of JUNE 2008, in the presence of:		
Dy	Chief Executive	是其一种和
HollyCase	Witness	
	[{ Pi	LL HOLDINGS TY. LTD.
The Common Seal of Dumell Holdings Pty Ltd		A.C.N.
was hereunto affixed in accordance with the) 000	6 835 374
Company's Constitution in the presence of: Director	da USI	Director
	ne: SHARON MAREE	
Address: 160 Orrs Road, Lucknow Add	dress: 160 Orrs Road, Li	ucknow

Mortgagee's Consent

Australia and New Zealand Banking Group Limited as Mortgagee of registered mortgage No. X798897C consents to the Owner entering into this Agreement and in the event that the Mortgagee becomes Mortgagee-in-possession, agrees to be bound by the covenants and conditions of this Agreement.

MORTGAGE

Page 20 of 73

Congo you

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GEOTECH

17 July 2025

LAND CAPABILITY ASSESSMENT

PROPOSED DEVELOPMENT 160 ORRS ROAD, WY YUNG, VICTORIA, 3875



Prepared for:

Development Solutions Victoria Bairnsdale, VIC, 3875

Report Number: 25190_LCA

dbm Geotech Consulting Pty Ltd Kilcunda, Victoria, 3995 ABN 69 666 900 643 www.dbmgeotech.com.au

17 July 2025

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SUMMARY

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Address: 160 Orrs Road, Wy Yung,

Victoria, 3875

SPI: 11\PS600907

Land Features: Distance to surface water: Open stormwater

Slope of land: 5-12% drain in NW corner of site
Aspect: north-westerly Flooding: > 1in 100 years

Evaporation: 1238mm Rainfall: 657mm

Soil Properties:

Soil texture (limiting layer): Fine Sandy Loam 2a Permeability: 1.4 - 3.0 mm/day

Treatment System: Land Application system:

EPA Approved Secondary Treatment Sub-Surface Drip Irrigation

Design Loading rate (DLR):

Sub-surface irrigation: 5.0 mm/day;

Land Application Area minimum size

Design Flow Rate	Subsurface irrigation
3-bedroom dwelling – 600L/day	230 m ²
4-bedroom dwelling – 750L/day	290 m²
5-bedroom dwelling – 900L/day	350 m ²

Site Constraints:

High Permeability Sandy Soils, Rainfall Run-On, Waterway

Special Conditions / Mitigation Measures:

Fine Sandy Loam: Treat wastewater to secondary level and dispose of via sub-surface irrigation. **Rainfall Run-On:** Ensure that upslope stormwater is diverted away from the Land Application Area

Waterway: Locate Land Application Area a minimum 30m from open swale drain.

Key Buffer Distances:

Site boundaries and buildings: 1.5m downslope; 3.0m upslope

Waterway (potable): 100m Waterway (non-potable): 30m

Management:

Desludging primary tank: every 3 years

Quarterly servicing of treatment plant and inspection of effluent dispersal area.



1.0 INTRODUCTION

Development Solutions Victoria has engaged DBM Geotech Consulting Pty Ltd (DBM Geotech) to undertake a Land Capability Assessment for the proposed subdivision at 160 Orrs Road, Wy Yung. The field investigation and report have been undertaken and prepared by suitably experienced consultants.

This report will accompany an application for a planning permit to sub-divide the land at 160 Orrs Road, Wy Yung into 2 Lots. The report provides information about the site and soil conditions. It also provides a Land Capability Assessment (LCA) for the site and includes a conceptual design for a suitable onsite wastewater management system on the proposed new allotments, including recommendations for monitoring and management requirements.

2.0 DESCRIPTION OF THE DEVELOPMENT

The site is a small rural allotment of approximately 4.16 hectares. Plans indicate that the land will be subdivided into two lots. Lot 1 comprises the existing dwelling and will be 2.16 Hectares in area and Lot 2 will be a vacant lot with an area of 2 Hectares. The land at Lot 2 slopes down to the northwest at a variable gradient between 5% and 12%. The closest waterbody is an open stormwater drain located along the roadside, adjacent to the northern and northwestern site boundaries.

Site Address: 11\PS600907; 160 Orrs Road, Wy Yung, Victoria, 3875 (Figure 1)

Council Area: East Gippsland Shire Council

Zoning: RLZ1 - Rural Living Zone - Schedule 1

Domestic Water Supply: Mains water

Anticipated Wastewater Load: Assume a residence with full water-reduction fixtures at maximum occupancy. Wastewater generation = 150 L/person/day; Table 4.3 of EPA Guidelines 2024 (1).

Availability of Sewer: The area is unsewered and unlikely to be sewered within the next 10-20 years.

3.0 SITE AND SOIL ASSESSMENT

3.1 SITE ASSESSMENT

DBM Geotech undertook a site investigation on the 30 June 2025. Table 1 summarises the key features of the site in relation to effluent management proposed for the site.

NOTE:

- The site is not in a special water supply catchment area.
- The risk of effluent transport offsite is low.



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Figure 1 attached provides a site plan and indicates the octation of the proposed diversity of the proposed diversity of the provides and copyright. are shown in Figures 2 - 4.

Table 1: Site Assessment

Characteristic		Level of Constraint		
Citaracteristic	Nil or Minor	Moderate	Major	
Aspect	North / North-East / North-West	East / West / South- East / South-West	South	
Climate	Excess of evaporation over rainfall in the wettest months	Rainfall approximates to evaporation	Excess of rainfall over evaporation in the wettest months	
Erosion	Nil or minor	Moderate	Severe	
Exposure To Sun and Wind	Full sun and/or high wind or	Dappled light	Heavily shaded and little wind	
Fill (Imported)	No fill or minimal fill, or fill is good quality topsoil	Moderate coverage and fill is good quality	Extensive poor-quality fill and variable quality fill	
Flood Frequency (ARI)	Less than 1 in 100 years	Between 100 and 20 years	More than 1 in 20 years	
Groundwater Bores	No bores onsite or on neighbouring properties	Setback distance from bore complies with requirements in EPA Guidelines 2024	Setback distance from bore does not comply with requirements in EPA Guidelines 2024	
Usable Land Area for LAA	Exceeds LAA and duplicate LAA and buffer distance requirements	Meets LAA and duplicate LAA and buffer distance requirements	Insufficient area for LAA	
Landslip Nil		Minor to moderate	High or Severe	
Slope Form	Convex or divergent side-slopes	Straight side-slopes	Concave or convergent side- slopes	
Slope Gradient (%)				
(a) For Absorption Trenches and Beds	` '		>15%	
(b) For Subsurface Irrigation	<10%	10-30%	>30%	
Soil Drainage (Qualitative) No visible signs or likelihood of dampness, even in wet season		Some signs or likelihood of dampness	Wet soil, moisture- loving plants, standing water in pit; water ponding on surface, soil pit fills with water	



Table 1: Site Assessment

Characteristic		Level of Constraint		
Cilaracteristic	Nil or Minor	Moderate	Major	
Stormwater Run-On	Low likelihood of stormwater run-on	Moderate likelihood of stormwater run-on	High likelihood of inundation by stormwater run-on	
Surface Waters - Setback Distance (m)	Setback distance complies with requirements in EPA Guidelines 2024		Setback distance does not comply with requirements in EPA Guidelines 2024	
Vegetation Coverage Over the Site	Plentiful vegetation with healthy growth and good potential for nutrient uptake	Limited variety of vegetation	Sparse vegetation or no vegetation	
Performance of the Existing System Onsite	Performing well and meets the required setback distances to new site boundaries	Performing well but doesn't meet current EPA requirements	Existing system has failed, and effluent is flowing overland across the site.	

3.2 SITE ASSESSMENT RESULTS

Moderate or major site constraints were identified in the site assessment. These constraints listed in Table 2 along with mitigation measures for controlling the risks identified at the site.

Based on the most constraining site features, the overall land capability of the site to sustainably manage all effluent onsite is satisfactory. The proposed effluent management area is located above the 1:100 flood level and by using secondary treatment, there will be suitable protection of surface waters and groundwater.

Table 2: Site Constraints

Constraint	Proposed mitigation measure
Climate	None required as the site is situated on a hillside with high permeability soils.
Slope Form / Gradient	Adopt secondary treatment with sub-surface irrigation or absorption trenches.
Stormwater run-on	Stormwater run-on was observed in three locations at the site as shown in Figure 1. Along the north of the site a culvert directs stormwater from the road onto the property and at two locations along the east boundary stormwater from the neighbouring property drains on Lot 2. Given the high permeability of the soils at the site the stormwater run-on risk is considered to be low. However, we recommend that any stormwater is diverted to ensure that it does not impact the proposed effluent disposal field.



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3.3 PERFORMANCE OF THE EXISTING SYSTEM AT PHILE STIME hich may breach any copyright.

The existing dwelling currently disposes of secondary treated effluent via surface irrigation on the western side of the existing dwelling (Figure 1). The existing system was observed to be performing correctly and is being serviced frequently at the recommended service intervals by a suitably qualified maintenance contractor.

3.4 SOIL ASSESSMENT

The site's soils have been assessed for their suitability for onsite wastewater management by a combination of soil survey and desktop review of published soil survey information as outlined below.

A soil survey was carried out at the site to determine suitability for application of treated effluent. Soil investigations were conducted at six locations as shown in Figure 1. The investigation was carried out using a vehicle-mounted push tube sampler to depths of 1.5m below ground level. In addition, samples were collected and tested for pH, EC and dispersive soils. A summary of the soil properties for the different soil types encountered are presented in Table 3. Full profile descriptions of the soils are provided in Appendix A.

Table 3: Soil Properties Summary

Soil Texture	Fine Sandy Loam	Fine Sandy Clay Loam
Depth Range	0.0m – 0.5m	0.5m – 1.0m
Soil Category	2a	4a
EC (ECe) (dS/m)	0.034	0.325
рН	5.84	6.67
Soil Dispersion	Non - Dispersive	Dispersive
Estimated Soil Permeability Ksat (m/day)	>3.0 m/day	0.5 – 1.5 m/day
Design Loading Rate		
(a) Sub-Surface	5.0 mm/day	3.5 mm/day
(b) Absorption Trenches	50.0 mm/day	30.0 mm/day



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Table 4 provides a risk assessment based on the physical รัคชิ อักษักเป็นโดกลัด อักษักเป็น อักษักเป็น อักษักเป็นโดกลัด อักษักเป็น อัก

Table 4: Soil Risk Assessment

Characteristic		Level of Constraint		
Cildiacteristic	Nil or Minor	Moderate	Major	
Electrical Conductivity (ECe) (dS/m)	<0.8	0.8 - 2	>2	
Dispersive Soils	Non-Dispersive (4, 5, 6, 8)	7	Dispersive (1, 2, 3)	
Gleying	Nil	Some evidence of greenish grey / black or bluish grey soil colours	Predominant greenish grey / black, bluish grey / black colours	
pH (Favoured Range for Plants)	5.5 - 8 is the optimum range for a wide range of plants; 4.5 - 5.5 suitable for many acid-loving plants		<4.5, >8	
Rock Fragments 0 – 10% (Size & Volume %)		10 – 20 %	>20%	
Soil Depth to Rock or other Impermeable Layer; Trenches (Irrigation/Mounds)		1.2 – 0.9 m	<0.9 m (<0.7m)	
Soil Structure Highly or Moderately Structured		Weakly-Structured	Structureless, Massive or Hardpan	
Soil Category Cat. 2b, 3a, 3b, 4a (Indicative Permeability)		Cat. 4b, 4c, 5a	Cat. 1, 2a, 5b, 5c, 6	
Depth to Watertable	>1.5 m	1.0 – 1.5 m	<1.0 m	



3.5 SOIL ASSESSMENT RESULTS

The soils across the site were typically categorised as Fine Sandy Loam, with variable depths to Fine Sandy Clay Loam. Considering the physical characteristics of the subsoil in the area of the site, effluent application via sub surface irrigation is a suitable and viable disposal system for this site.

Moderate or major soil constraints were identified in the soil assessment. These constraints listed in Table 5 along with mitigation measures for controlling the risks identified at the site.

Table 5: Soil Assessment Migration Measures

Constraint	Proposed mitigation measures
Dispersive Soils	Treat wastewater to secondary level and dispose of via sub-surface irrigation. Apply liquid gypsum to the system on commission and as required.
Soil Structure/ Category	Treat wastewater to secondary level and dispose of via sub-surface irrigation.

3.6 OVERALL LAND CAPABILITY RATING

For the soil in the proposed subdivision area, no features present a moderate or major constraint that cannot be mitigated.

Based on the results of the site and soil assessment tabled above and provided in the Appendices, the overall land capability of the proposed effluent management area is constrained. However, the effluent management systems can be designed, installed and maintained in ways which will mitigate these factors.

4.0 SYSTEM SELECTION AND DESIGN

The following sections provide an overview of a suitable onsite wastewater management systems for each new allotment with sizing and design considerations and justification for its selection. Detailed design for the system should be undertaken at the time of the building application and submitted to Council.

4.1 TARGET EFFLUENT QUALITY

Based on the site constraints a secondary treatment system is recommended at this site. The secondary effluent quality required is:

- Biochemical Oxygen Demand, less than 20 mg/L;
- Total Suspended Solids, less than 30 mg/L;

The property owner has the responsibility for the final selection of the secondary treatment system and will include the details of it in the Septic Tank Permit to Install application form for Council approval.



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4.2 EFFLUENT MANAGEMENT OPTIONS of for any purpose which may breach any copyright.

A range of possible land application systems have been considered, such as absorption trenches, evapo-transporation/absorption (ETA) beds, subsurface irrigation, and mounds.

The preferred system at this site is shallow pressure compensated drip irrigation. This system is considered suitable to overcome the site constraints and ensure that that the risk of effluent being transported off-site will be negligible.

A detailed irrigation system design is beyond the scope of this report however a general description of the system is provided here for the information of the client and council.

4.2.1 DESCRIPTION OF IRRIGATION SYSTEM

Sub-surface irrigation comprises a network of drip-irrigation lines that are specially design for use with wastewater. The pipe contains pressure compensating emitters (drippers) that employ a biocide to prevent build-up of slimes and inhibit root penetration. The lateral pipes are usually 0.6m to 1.0m apart, installed parallel along the contour. Installation depth is 100-150mm in accordance with AS1547:2012. It is critical that the irrigation pump be sized properly to ensure adequate pressure and deliver rate to the irrigation network.

A filter is installed in the main line to remove fine particulates that could block the emitters. This must be cleaned regularly (typically monthly) following manufacturer's instructions. Vacuum breakers should be installed at the high point/s in the system to prevent air and soil being sucked back into the drippers when the pump shuts off. Flushing valves are an important component and allow periodic flushing of the lines, which should be done at six monthly intervals.

4.3 SIZING THE IRRIGATION SYSTEM

To determine the necessary size of the Land Application Area, water and nutrient balance modelling has been undertaken and is provided in the below sections.

4.3.1 WASTEWATER LOADING RATE

In sizing the effluent dispersal field envelope one of the key input parameters is the volume of wastewater expected at the site. Table 4.1 of EPA Guidelines 2024 (1) has been used to size the volume of wastewater generated per allotment. We have adopted a loading rate of **150** L/person/day assuming WELS scheme water fixtures with town water supply.



4.3.2 SIMPLE HYDRAULIC EQUATION

The formular for sizing is expressed as follows:

A = Q/DLR

A = Area of subsurface irrigation required (m²)

 \mathbf{Q} = daily flow (L/day) – 600 - 900L/day, based on a 3 – 5 bedroom dwelling, EPA 2024(1)

DLR = Design Loading Rate (mm/day) – 5.0 mm/day sub-surface irrigation;

4.3.3 DETAILED MONTHLY WATER BALANCE

Water balance modelling has been undertaken using the method and water balance tool in the Victorian Land Capability Assessment Framework (2014) and EPA, 2024. The water balance can be express by the following equation:

Precipitation + Effluent Applied = Evapotranspiration + Percolation

The assumptions and parameters adopted for the water balance calculation are:

- Retained Rainfall of 0.9 was adopted as the site has minor fall across the effluent application area.
- A design irrigation rate of 5.0mm/day for Fine Sandy Loam soil was adopted.
- Crop factors for Pasture from section 4.4.2.3 of EPA 2024 (1) were used.
- Rainfall and evaporation data See Table 6

Table 6: Rainfall and Evaporation Data

	Average Rainfall (mm) – Nicholson (Station No. 084025)											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
53.8	44.2	55.6	52.6	53	59.4	46.6	45.6	52.4	65.4	64.3	64.1	657
	Evaporation (mm) – Bairnsdale Waterworks (BoM – Australian Water Outlook)											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
172.7	143.7	119.7	81.5	53.2	41.5	47	64.8	89.3	118.8	138.1	167.9	1238.2

4.3.4 NITROGEN BALANCE

The Nitrogen balance can be expressed by the following equation:

Daily N load (nitrogen concentration * hydraulic load) * 0.8 = N Uptake by plants

Data used in the N balance includes:

- Nitrogen effluent concentration (secondary treated system): 25 mg/L from Table 57 EPA Publication 2024 (2);
- Allow 20% loss through denitrification, volatilization, microbial digestion and other processes;
- N uptake by plants of 220 kg/ha/year from Section 4.4.3.3 of the EPA Guidelines 2024 (2)



4.3.5 PHOSPHORUS BALANCE

The Phosphorus balance can be express by the following equation:

Daily P load (phosphorus concentration * hydraulic load) = P Uptake by plants + P Adsorption

Data used in the N balance includes:

- Phosphorus effluent concentration (secondary treated system): 6 mg/L
- P uptake by plants of 30 kg/ha/year 4.4.3.3 of the EPA Guidelines 2024 (2);
- P adsorption = 75 mg/kg (sand) * 1.0m (soil depth) * 1.8 kg/m³ (soil density) from Table 2.3
 Water NSW (2023) Designing and Installing On-Site Wastewater Systems.

4.3.6 SUMMARY AND ADOPTED CALCULATION METHOD

The sub-surface irrigation area required to satisfy the water, and nutrient calculations are provided in Table 7 and the full calculations are shown in Appendix A. Our calculations for Table 7 are based on a 5-bedroom dwelling (900 L/day).

Table 7: Land Application Area

Calculation Method	Subsurface Irrigation Area
Simple Hydraulic equation	180 m ²
Monthly Water Balance	223 m²
Nitrogen Balance	299 m²
Phosphorus Balance	346 m²

The results indicated the Phosphorous Balance equation is the limiting factor at the site. Table 22 of EPA 2024 provides guidance on the suitability of each calculation method. For high permeability soils (category 1-2) like this site the Nutrient Balance calculations (Nitrogen and Phosphorus) are considered the most suitable method to size the effluent dispersal system. Accordingly, the Phosphorus Balance is considered the most critical factor, and an effluent disposal area has been sized based of this.

4.3.7 EFFLUENT DISPERSAL FIELD SIZING

The nominated area method is used to calculate the area required to balance all inputs and outputs to the water balance. As a result of these calculations a minimum land application area required for subsurface irrigation is shown in Table 8. The full water balance calculation is shown in Appendix A.



Table 8: Land Application Area

Number of Bedrooms*	Total Daily wastewater flow (L/day)	Required LAA Size - Sub-Surface Irrigation
3	600	230 m ²
4	750	290 m²
5	900	350 m ²

^{*}In accordance with EPA Guidelines 2024 any room such as a study, library or sunroom that can be closed off with a door, shall be treated as a bedroom.

4.4 SITING AND CONFIGURATION OF THE IRRIGATION SYSTEM

Given the size of the proposed lot, we have not provided an exact location for the potential wastewater disposal. We consider that treated effluent can be located anywhere on the site except for the northwest corner as this area has stormwater from the road flowing onto the property and is close to roadside swale drains.

We recommend that DBM Geotech review the exact effluent field location prior to building permit application to ensure that appropriate setback distances are maintained.

Whilst there is ample area for application of the effluent, it is important that appropriate buffer distances be maintained. It is important to note that buffers are measured as the overland flow path for run-off water from the effluent irrigation area.

It is recommended that the owner consult a wastewater contractor familiar with effluent system construction to construct the system, and an appropriately registered plumbing/drainage practitioner to install the system.

4.5 STORMWATER RUN-ON MEASURES

Stormwater run-on from the upslope neighbouring lot currently drains directly onto the proposed subdivided lot (Lot 2). We recommend that this is diverted to ensure that it does not impact the proposed effluent disposal field. Stormwater run-on from buildings and significant rainstorm events pose a risk to the effluent disposal field. Stormwater run-on should be mitigated by the following:

- Diversion of roof and road drainage away from the effluent dispersal area.
- Diversion of upslope stormwater along the eastern boundary away from the proposed land application area.



4.6 BUFFER DISTANCES

Setback buffer distances from EDRS systems are required to help prevent human contact, maintain public amenity and protect sensitive environments. The relevant buffer distances for this site, taken from Table 4-10 of the EPA Guidelines 2024 (1) are provided in Table 8.

Table 8: Secondary Treatment buffer distances

Site Feature	Setback Distance (m)
Building / Allotment Boundaries / Swimming Pool / Water and Gas	3m – Up-slope
Pipes	1.5m – Down-slope
Services	3m – Closed stormwater drain
	30m – Open stormwater drain
Surface Waters	100m – Up-slope from watercourses in a potable water supply catchment
	30m – Up-slope from non-potable watercourses
	20m – Up-slope from drainage lines
	15m – Up-slope of cutting/escarpment
Groundwater bores	20m – Category 2b to 6 soils
Soil depth	1.5m – Depth to Watertable
	0.6m – Depth to hydraulic limiting layer

5.0 MONITORING, OPERATION AND MAINTENANCE

Maintenance is to be carried out in accordance with the EPA Certificate of Approval of the selected secondary treatment system and Council's permit conditions. The treatment system will only function adequately if appropriately and regularly maintained.

To ensure the treatment system functions adequately, residents must:

- Have a suitably qualified maintenance contractor service the secondary treatment system at the frequency required by Council under the permit to use;
- Use household cleaning products that are suitable for septic tanks;
- · Keep as much fat and oil out of the system as possible; and
- Conserve water (AAA rated fixtures and appliances are recommended).
- Do not discharge your unwanted and expired medicine into your OWMS.
- Avoid use of products containing PFAS (Per-and Polyfluoroalkyl substances)



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To ensure the land application system functions ade water functions and by the state of the land application system functions ade water functions are the land application system functions ade water functions are the land application system functions ade water functions are the land application system functions are water functions are the land application system functions are water functions are the land application system functions are water functions are the land application system functions are water functions are the land application system functions are water functions are the land application system functions are water functions are the land application system functions are the land application function function functions are the land application function functions are the land application function function function functions are the land application function function function functions are the land application function fu

- Regularly harvest (mow) vegetation within the EDRS and remove this to maximise uptake of water and nutrients;
- Monitor and maintain the subsurface irrigation system following the manufacturer's recommendations, including flushing the irrigation lines;
- Regularly clean in-line filters;
- Not erect any structures and paths over the EDRS;
- Avoid vehicle and livestock access to the EDRS, to prevent compaction and damage; and
- Ensure that the EDRS is kept level by filling any depressions with good quality topsoil (not clay).

6.0 CONCLUSION

As a result of our investigations, we conclude that sustainable onsite wastewater management is feasible with appropriate mitigation measures, as outlined, for the proposed subdivision of 160 Orrs Road, Wy Yung into two allotments.

Specifically, we recommend the following for any new wastewater system at the site:

- Secondary treatment of wastewater by an EPA-accredited treatment system;
- Land application of treated effluent via subsurface irrigation (which may be subdivided into two or more evenly sized zones using an indexing or sequencing valve);
- Installation of water saving fixtures (minimum 4 star WELS) and appliances (minimum 3 star WELS) in the new residence to reduce the effluent load;
- Use of low phosphorus and low sodium (liquid) detergents to improve effluent quality and maintain soil properties for growing plants; and
- Operation and management of the treatment and disposal system in accordance with manufacturer's recommendations, the EPA Certificate of Approval, the EPA Guidelines 2024 and the recommendations made in this report.



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7.0 REFERENCES

Environment Protection Authority (2024) (1). Guideline for onsite wastewater management (GOWM).

Environment Protection Authority (2024) (2). Guideline for onsite wastewater effluent dispersal and recycling systems (EDRS).

Municipal Association of Victoria, Department of Environment and Sustainability and EPA Victoria (2014) Victorian Land Capability Assessment Framework.

Standards Australia / Standards New Zealand (2012). AS/NZS 1547:2012 On-site domestic-wastewater management.

8.0 LIMITATIONS

Your attention is drawn to the document – 'Limitations' which is included in Appendix B of this report. The statements presented in this document are intended to advise you of what your realistic expectations of this report should be. The document is not intended to reduce the level of responsibility accepted by DBM Geotech, but rather to ensure that all parties who may rely on this report are aware of the responsibilities each assumes is so doing.

DBM Geotech

David Barry – Macaulay BEng (Hons), MEngSc (Res), MIEAust CPEng EA Membership number: 3308334 ABN 69 666 900 643



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Photo 2 – Looking NW



Photo 4 – Looking S



Photo 1 – Looking S



Photo 3 – Looking NW

FIGURE DETAILS: Figure 2 – Site Photos **CLIENT:** Development Solutions Victoria

SITE ADDRESS: 160 Orrs Road, Wy Yung

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Photo 6 – Looking SW



Photo 8



Photo 5 – Looking SE



Photo 7

FIGURE DETAILS: Figure 3 – Site Photos CLIENT: Development Solutions Victoria

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Photo 10



Photo 12



Photo 9



Photo 11

FIGURE DETAILS:

Figure 4 – Site Photos

CLIENT:

Development Solutions Victoria

SITE ADDRESS:

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Appendix A

Reports of Boreholes

Water Balance Calculations

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DBM GEOTECH Environment Act 1987. : 55619447sed for any purpose which may breach any copyright. Job No : 25190 Easting Client : . Owner / Designer Northing Logged Date : 30/06/2025 : 160 Orrs Road, Wy Yung UTM : 55H Project : 160 Orrs Road, Wy Yung VIC, Australia Drill Rig : Push Tube Checked Location Contractor : DBM Geotech Inclination Checked Date : 02/07/2025 Samples Classification Code **Drilling Methoc** Ξ Depth Shear Strength Silty SAND SM: brown, medium dense, fine grained, trace low plasticity clay, dry, category 2a - fine sandy loam. MD SM D 0.3 SM Orange brown. 0.7 Light brown orange - light brown yellow with depth. SM BH1 Terminated at 1.5m

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Victorian Land Capability Assessment Framework

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Please read the attached note	es before usin	g this spre	adsheet						
Nitrogen Balar		<u> </u>							
Site Address:	160 O	rrs Roa	d, Wy Y	ung, Victoria	, 38 7 5				
SUMMARY - LAND APPLICATION AREA REQUIRED BASED NITROGEN BALANCE								299	m ²
INPUT DATA ¹							•		
Waste	ewater Loading				N	lutrient Crop	Uptake		
Hydraulic Load		900	L/day	Crop N Uptake	220	kg/ha/yr	which equals	60.27	mg/m²/day
Effluent N Concentration		25	mg/L						
% N Lost to Soil Processes (Geary &	Gardner 1996)	0.2	Decimal						
Total N Loss to Soil		4500	mg/day						
Remaining N Load after soil loss		18000	mg/day						
NITROGEN BALANCE BA	ASED ON A	NNUAL CI	ROP UPTA	AKE RATES					
Minimum Area required with	zero buffer		Determination	on of Buffer Zone Size t	for a Nominated	Land Applic	ation Area (LAA)		
Nitrogen	299	m ²	Nominated L	AA Size		299	m ²		
-			Predicted N I	Export from LAA		0.00	kg/year		
	•	•	Minimum But	ffer Required for excess r	nutrient	0	m²		
CELLS			•	·					
		Please ente	er data in blu	ıe cells					
	VV				o oproodobest				
	XX			cally populated by the	•			_	
ı	XX	Data in yell	ow cells is c	alculated by the spre	adsheet, DO l	NOT ALTE	R THESE CELL	_S	

NOTES

- EPA Guidelines for Effluent Irrigation
- Appropriate Peer Reviewed Papers
- Environment and Health Protection Guidelines: Onsite Sewage Management for Single Households
- USEPA Onsite Systems Manual

¹ Model sensitivity to input parameters will affect the accuracy of the result obtained. Where possible site specific data should be used. Otherwise data should be obtained from a reliable source such as:

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<u>Phosphorus Balan</u>	<u>ce</u>									
Site Address:	160 C	rrs R	oad, W	y Yung,	Victori	a, 387	5			
SUMMARY - LAND APPL	LICATION A	REA RE	EQUIRED	BASED PO	OSHPOU	RUS BA	LANCE		346	m ²
INPUT DATA										
Wastewater Loading				Nutrient Crop	Uptake					
Hydraulic Load		900	L/day	Crop P Uptake)	30	kg/ha/yr	which equals	8.22	mg/m²/day
Effluent P Concentration		6	mg/L	Nutrient Soil	Adsorption					
Гotal P Load		5400	mg/day	Soil Uptake	75	mg/kg	based on Soil	Category	5	Light Clay
				Bulk Density	1800	kg/m ³				
				Soil depth	1	m				
				P Adsorption	135000	mg/kg		which equals	1350	kg/ha
							Assume	LAA design life	50	vears
				P Adsorption		27	kg/ha/yr	which equals	7.40	mg/m²/day
				Nutrient Crop	Uptake and	Soil Adsor	rption			
					•				15.62	mg/m²/day
PHOSPHORUS BALANC	E BASED C	N ANN	UAL CRO	P UPTAKE	RATES					l
Minimum Area required with	zero buffer		Determinati	on of Buffer Zo	ne Size for	a Nominate	d Land Applica	tion Area (LAA)		
Phosphorus	346	m ²	Nominated L	AA Size			350	m ²		
			Predicted P I	Export from LAA	\		-1.05	kg/year		
	1	1	4	ffer Required for		ient	0	m²		

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Victorian Land Capability Assessment Framework Sub-surface Irrigation DLR = 5.0mm/day

Irrigation area siz	ing ι	ising No	omina	ated A	Area W	<u>ater</u>	<u>Balar</u>	ice to	or Ze	ro St	orage	<u>e</u>				
Site Address:					160	Orrs	Road, V	V y Yur	ıg, Vic	toria, 3	875					
Date:		30-Ju	n-25		Assess	or:	Samu	el Your	ng							
INPUT DATA																
Design Wastewater Flow	Q	900	L/day	Based on	5 bedroom ho	me, 150L	/day loading	g rate								
Design Irrigation Rate	DIR	5.0	mm/day	Based on	soil texture cla	ass/perme	ability and	derived fro	m Table 4	.8 in the E	PA 2024					
Nominated Land Application Area	L	285	m ²													
Crop Factor	С	0.8	unitless	Estimates	evapotranspir	ation as a	fraction of	pan evapo	oration; va	ries with s	eason and	crop type	2			
Rainfall Runoff Factor	RF	0.9	untiless		n of rainfall tha											
Mean Monthly Rainfall Data	١	Nicholson (08402	25)	BoM Stati	on and numbe	r			Ū	•						
Mean Monthly Pan Evaporation Data	Bairnso	dale Waterworks	(84100)	Synthetic	Pan Evaporati	on from B	OM Austra	lian Water	Outlook (-	38.68;146	.1)					
<u> </u>																
Parameter Days in month	Symbol D	Formula	Units days	Jan 31	Feb 28	Mar 31	Apr 30	May 31	Jun 30	Jul 31	Aug 31	Sep 30	Oct 31	Nov 30	Dec 31	Total 365
Rainfall	R		mm/month	53.8	44.2	55.6	52.6	53	59.4	46.6	45.6	52.4	65.4	64.3	64.1	657.00
Evaporation	E		mm/month	172.7	143.7	119.7	81.5	53.2	41.5	47	64.8	89.3	118.8	138.1	167.9	1238.2
Crop Factor	С		unitless	0.80	0.80	0.70	0.70	0.60	0.60	0.60	0.60	0.70	0.80	0.80	0.80	
OUTPUTS																
Evapotranspiration	ET	ExC	mm/month	138	115	84	57	32	25	28	39	63	95	110	134	920.21
Percolation	В	DIRxD	mm/month	155.0	140	155.0	150.0	155.0	150.0	155.0	155.0	150.0	155.0	150.0	155.0	1825.0
Outputs		ET+B	mm/month	293.2	254.96	238.8	207.1	186.9	174.9	183.2	193.9	212.5	250.0	260.5	289.3	2745.2
INPUTS																
Retained Rainfall	RR	RxRF	mm/month	48.42	39.78	50.04	47.34	47.7	53.46	41.94	41.04	47.16	58.86	57.87	57.69	591.3
Applied Effluent	W	(QxD)/L	mm/month	97.9	88.4	97.9	94.7	97.9	94.7	97.9	97.9	94.7	97.9	94.7	97.9	1152.6
Inputs STORAGE CALCULATION		RR+W	mm/month	146.3	128.2	147.9	142.1	145.6	148.2	139.8	138.9	141.9	156.8	152.6	155.6	1743.9
			mm/month	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Storage remaining from previous month Storage for the month	S	(RR+W)-(ET+B)		-146.8	-126.8	-90.9	-65.0	-41.3	-26.7	-43.4	-54.9	-70.6	-93.3	-107.9	-133.7	
Cumulative Storage	M	(1(1(+1/4)-(11+11)	mm	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Maximum Storage for Nominated Area	N		mm	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Maximum otorago for Hominatou / trou	V	NxL	L	0.00	_											
LAND AREA REQUIRED FOR 2	'ERO S		m ²	114	117	148	169	200	222	198	183	163	146	133	120	
		. 0.0.02				140	100	200	222	100	100	100	140	100	120	
MINIMUM AREA REQUIRED FO	R ZFR	STORAGE:		223.0	m ²											
		0.0.0.00														
CELLS																
		Please enter d	lata in blue	e cells												
	XX	Red cells are a			ed by the spre	adsheet										
	XX	Data in yellow					OT ALTER	THESE C	ELLS							
		_ ′		,	•											
NOTES																
¹ This value should be the largest of th	e followin	g: land application	on area re	quired base	ed on the most	limiting n	utrient bala	nce or min	imum area	a required	for zero st	orage				
² Values selected are suitable for mixt	iro of aro	se and aucalynti	ic trooc			,				•		-				

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Appendix B

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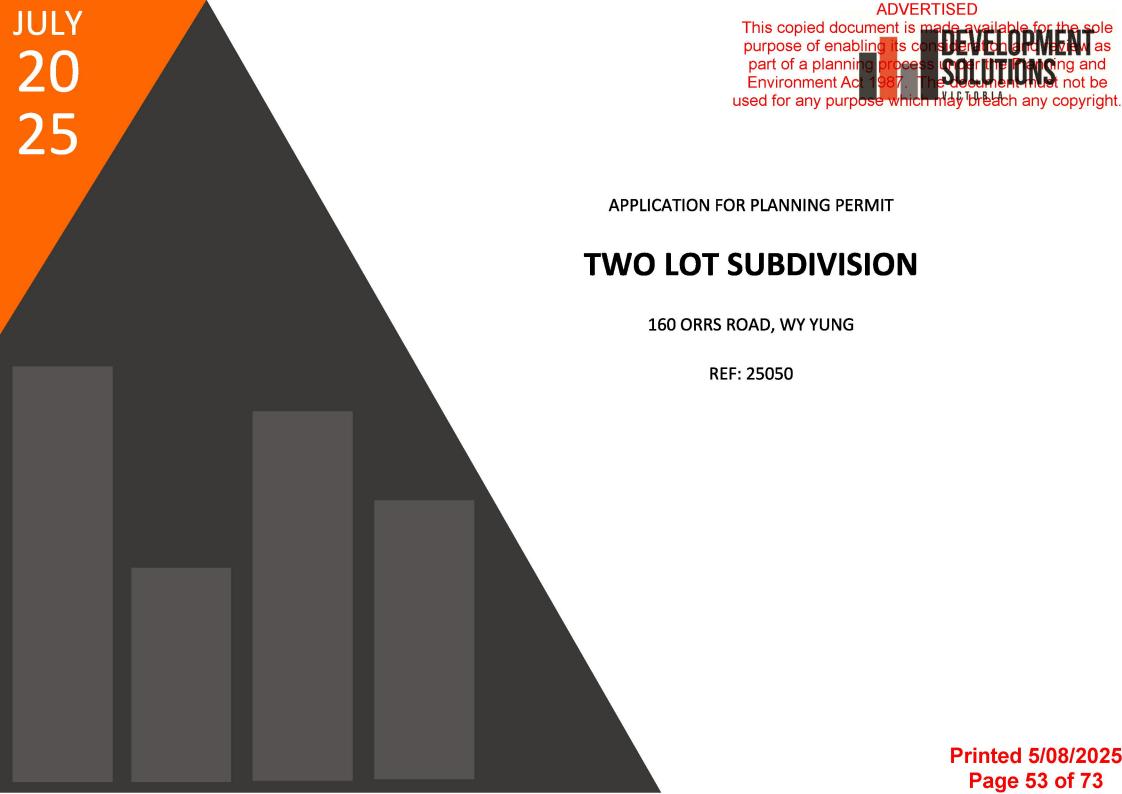
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Conditions may exist which were undetectable given the limited nature of the enquiry DBM Geotech was retained to undertake. Variations in conditions may occur between investigation locations, and there may be special conditions pertaining to the site which have not been revealed by the investigation and which have not therefore been taken into account in the Document. Accordingly, additional studies and actions may be required.

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Having regard to the matters referred to in the previous paragraphs on this page in particular carrying out the Service has allowed DBM Geotech to form no more than an opinion as to the actual conditions at any relevant location. That opinion is necessarily constrained by the extent of the information collected by DBM Geotech or otherwise made available to DBM Geotech. Further, the passage of time may affect the accuracy, applicability or usefulness of the opinions, assessments or other information in this Document. This Document is based upon the information and other circumstances that existed and were known to DBM Geotech when the Services were performed and this Document was prepared. DBM Geotech has not considered the effect of any possible future development included physical changes to any relevant location or change to any laws or regulations relevant to such location.

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2	Site Context	5
3	The Proposal	12
4	Zones and Overlays	13
5	Planning Assessment	17
6	Conclusion	19

APPENDIX

- A Copy of Title and Plan of Subdivision
- **B** Proposed Plan of Subdivision
- **C** Land Capability Assessment

DOCUMENT REVISION

- **1** Draft Report DAC 17/07/2025
- 2 Final Report CMC 19/07/2025



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1. INTRODUCTION

Development Solutions Victoria Pty Ltd act on behalf of the owners of land and the applicants for this planning permit application for the two lot subdivision at 160 Orrs Road, Wy Yung.

This submission and supporting documentation provide details of the subject site, relevant planning controls and policies and delivers an assessment against the provisions of the East Gippsland Planning Scheme.

The proposed two lot subdivision requires planning approval under the provisions of the Rural Living Zone and the Erosion Management Overlay.

The purpose of this subdivision is to create one additional vacant allotment that can be developed with a residential dwelling in the future.

The proposal is consistent with the objectives of the East Gippsland Planning Scheme, is an appropriate subdivision in this location and will result in a positive planning outcome.

Address	Environment Act 1987. The document must
Site Description	160 Orrs Road, Wy Yungused for any purpose which may breach any countries to 11 on Plan of Subdivision 600907C
Title Particulars	Vol 11085 Fol 325
Site Area	4.159 hectares
Proposal	Two Lot Subdivision
Planning Scheme	East Gippsland Planning Scheme
Zone	Rural Living Zone - Schedule 1
Overlays	Erosion Management Overlay
Overlayo	Vegetation Protection Overlay – Schedule 1
Aboriginal Cultural	Not identified as an area of Cultural Heritage Sensitivity
Heritage	,
Permit Triggers	Clause 35.03-3 Rural Living Zone – Subdivision
	Clause 44.01-5 Erosion Management Overlay – Subdivision
Notice	Exempt from notice and review at Clause 44.01-7
Referrals	No referrals required
Work Authority Licence	Not Applicable
Planning Scheme	Municipal Planning Strategy – Clause 02
requirements	Settlement – Clause 02.03-1
	Environmental and landscape values – Clause 02.03-2
	Environmental risks and amenity – Clause 02.03-3
	Built environment and heritage – Clause 02.03-5
	Planning Policy Framework – Clause 10
	Settlement – Clause 11
	Environmental and landscape values – Clause 12
	Environmental risks and amenity – Clause 13
	Erosion and landslip – Clause 13.04-2S
	Built environment and heritage – Clause 15
	Rural Living Zone – Clause 35.03
	Erosion Management Overlay – Clause 44.01
	Decision guidelines – Clause 65.01
	Decision guidelines – Clause 65.02

2. SITE CONTEXT

Site

The subject site is located at 160 Orrs Road, Wy Yung. A copy of the Title and Plan of Subdivision is contained in *Appendix A*. The title is affected by Section 173 Agreement registered as AF939419K. There is a powerline easement in the northern portion of the subject site.

AF939419K

The agreement provides restrictions associated with access, specifically that this lot cannot create access to Orrs Road.

The site is irregular in shape with a total area of approximately 4.159 hectares and contains an existing dwelling and associated facilities.

The site is undulating in nature and contains scattered vegetation and landscaped gardens throughout. Details of the site are depicted in the photographs provided below.

Access is existing in the southern portion of the western boundary via a bitumen crossover and gravel driveway connecting directly to Orrs Road. Orrs Road is a bitumen sealed road with grassed shoulders and swale drains traversing in a north to south direction adjoining the western boundary of the subject site.

Kingsley Drive is also a bitumen sealed road with grass shoulders and swale drains, traversing in an east to west direction adjoining the northern boundary of the subject site.

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Figure 1 – Locality Plan – 160 Orrs Road, Wy Yung (source: mapshare.vic.gov.au)



Figure 2 – Locality Plan – 160 Orrs Road, Wy Yung (source: mapshare.vic.gov.au)

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Surrounds

The land in this locality is mostly developed rural residential allotments.

Adjoining the northern boundary of the subject site is Kingsley Drive and land containing an existing dwelling and associated facilities. Adjoining the eastern and southern boundaries is existing residential development and associated facilities. Adjoining the western boundary is Orrs Road and further existing residential dwellings and associated facilities.

The boundaries of the subject site are delineated with post and wire fencing.

Wy Yung is considered a suburb of Bairnsdale located approximately 4.5 kilometres north of Bairnsdale central business district. Wy Yung has minimal community and commercial facilities and services however, a full suite of services is available in Bairnsdale.

The subject site in relation to Wy Yung is shown in the aerial photograph below.







Photograph 2 – Subject site and existing access at 160 Orrs Road, Wy Yung.



Photograph 4 – Existing dwelling on proposed Lot 1 facing east.



Photograph 6 – Existing agricultural building on proposed Lot 1 facing northeast.



Photograph 3 – Existing driveway access to proposed Lot 1 facing northeast.



Photograph 5 – Existing outbuildings and shipping container on proposed Lot 1 facing north.



Photograph 7 – Existing agricultural building facing northeast.



Photograph 8 – Proposed Lot 1 facing east.



Photograph 10 – Proposed Lot 1 facing west.



Photograph 12 – Proposed Lot 2 facing east.



Photograph 9 – Proposed Lot 1 facing south.



Photograph 11 – Proposed Lot 2 facing northeast.



Photograph 13 – Proposed Lot 2 facing south along the eastern boundary.



Photograph 14 – Proposed Lot 2 facing south along the western boundary.



Photograph 16 – Neighbouring property directly opposite the northern boundary at 15 Kingsley Drive, Wy Yung.



Photograph 18 – Neighbouring property adjoining the eastern boundary at 91 Kingsley Drive, Wy Yung.



Photograph 15 – Proposed Lot 2 facing west.



Photograph 17 – Neighbouring property adjoining the eastern boundary at 99 Kingsley Drive, Wy Yung.



Photograph 19 – Neighbouring property adjoining the southern boundary at 156 Orrs Drive, Wy Yung.



Photograph 20 – Neighbouring property directly opposite the western boundary at 159 Orrs Drive, Wy Yung.



Photograph 22 – Orrs Road facing north.



Photograph 24 – Kingsley Drive facing east.



Photograph 21 – Neighbouring properties directly opposite the western boundary at 171 and 175 Orrs Road, Wy Yung.



Photograph 23 – Orrs Road facing south.



Photograph 25 – Kingsley Drive facing west.

3. THE PROPOSAL

This application seeks approval for the subdivision of land into two lots under the provisions of the Rural Living Zone and the Erosion Management Overlay. A proposed plan of subdivision is provided in *Appendix B* and *Figure 3*.

Lot 1

The proposed Lot 1 will be an irregular shaped allotment and will be approximately 2.159 hectares in area. This lot comprises the southern portion of the site and will contain the existing dwelling and associated facilities. Access to this lot is existing in the southern portion of the western boundary via a bitumen crossover and gravel driveway directly from Orrs Road.

Lot 2

The proposed Lot 2 will be an irregular shaped allotment and will be 2 hectares in area. This lot comprises the northern portion of the site and will be vacant land suitable for future residential development. This lot will contain an existing powerline easement as indicated on the proposed plan of subdivision. Access to this lot will need to be constructed however, there is an existing gate in the eastern portion of the northern boundary adjoining Kingsley Drive.

Services

The subject site has access to an appropriate level of services including electricity, reticulated water, telecommunications and a good quality road network. Both of the proposed allotments will be connected to all available services. Proposed Lot 1 is currently connected to all available services which will remain unchanged.

Wastewater from the existing dwelling is treated and retained on site via a secondary treatment system located to the west of the existing dwelling. The existing system is a suitable distance from the boundaries of proposed Lot 2. Wastewater for proposed Lot 2 will be required to be treated and retained within the allotment boundaries via a secondary treatment septic system as recommended in the Land Capability Assessment contained in *Appendix C*.

It is requested that formal drainage plans be a requirement on any planning permit to be granted.

The subject site does not require the removal of any vegetation to facilitate the proposed subdivision, and no earthworks are required beyond the provision of services and construction of the access for proposed Lot 2.

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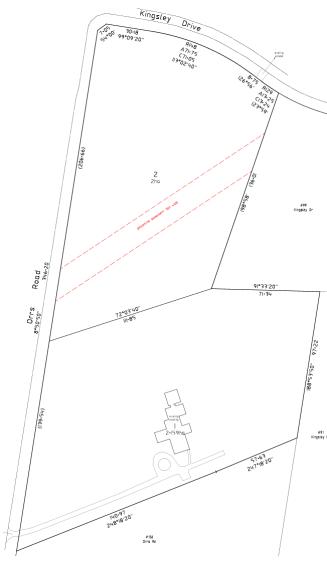


Figure 3 - Proposed subdivision plan - One Plan

4. ZONES AND OVERLAYS

Rural Living Zone Schedule 1

The purpose of the Rural Living Zone is:

- To implement the Municipal Planning Strategy and the Planning Policy Framework.
- To provide for residential use in a rural environment.
- To provide for agricultural land uses which do not adversely affect the amenity of surrounding land uses.
- To protect and enhance the natural resources, biodiversity and landscape and heritage values of the area.
- To encourage use and development of land based on comprehensive and sustainable land management practices and infrastructure provision.

An extract of the Rural Living Zone Map is provided in *Figure 4*.

Clause 35.03-3 of the Rural Living Zone provides a permit is required to subdivide land.

Each lot must be at least the area specified for the land in a schedule to this zone. The schedule provides a minimum lot area of 2 hectares. A permit may be granted to create smaller lots if the number of lots is no more than the number the land could be subdivided into in accordance with a schedule to the zone.

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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 which may because hany copyright. greater. The relevant decision guidelines of Clause 35.03 of the Rural Living Zone are

addressed in Section 5 of this submission.

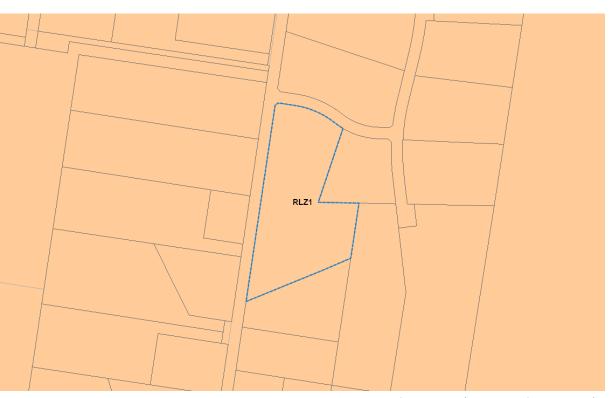


Figure 4 - Rural Living Zone - (source - mapshare.vic.gov.au)

Erosion Management Overlay

The purpose of the Erosion Management Overlay is:

- To implement the Municipal Planning Strategy and the Planning Policy Framework.
- To protect areas prone to erosion, landslip, other land degradation or coastal processes by minimising land disturbance and inappropriate development.

An extract of the Erosion Management Overlay Map is provided in *Figure 5*.

Clause 44.01-5 of the Erosion Management Overlay provides a permit is required to subdivide land. As such, the decision guidelines are addressed in Section 5 of this submission.

The Schedule to the Erosion Management Overlay requires a Geotechnical Risk Assessment or waiver be provided. Given the small amount of area covered by the Erosion Management Overlay we have sought an exemption from Council for the need to provide a Geotechnical Risk Assessment waiver.

The relevant decision guidelines at Clause 44.01-8 are addressed below in Section 5.

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Figure 5 – Erosion Management Overlay – (source - mapshare.vic.gov.au)

Vegetation Protection Overlay – Schedule 1

The purpose of the Vegetation Protection Overlay is:

- To implement the Municipal Planning Strategy and the Planning Policy Framework.
- To protect areas of significant vegetation.
- To ensure that development minimises loss of vegetation.
- To preserve existing trees and other vegetation.
- To recognise vegetation protection areas as locations of special significance, natural beauty, interest and importance.
- To maintain and enhance habitat and habitat corridors for indigenous fauna.
- To encourage the regeneration of native vegetation.

An extract of the Vegetation Protection Overlay Map is provided in *Figure 6*.

The proposal is not seeking to remove, destroy or lop any vegetation. As such a permit is not required under the provisions of the Vegetation Protection Overlay. This is not addressed further.

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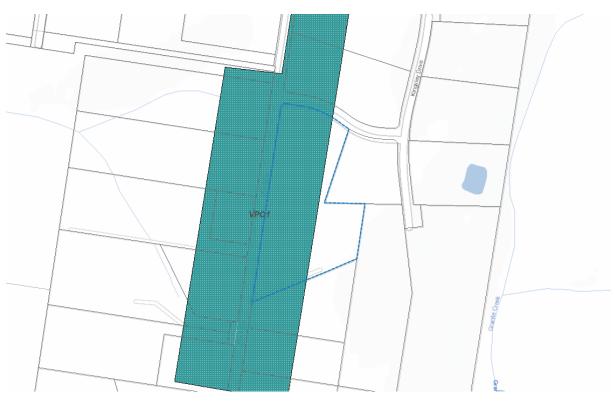


Figure 6 – Vegetation Protection Overlay – (source - mapshare.vic.gov.au)

Aboriginal Cultural Heritage

Under the provisions of the Aboriginal Heritage Act 2006 the subject site is not recognised as being within an area of Aboriginal Cultural Heritage Sensitivity and as such a Cultural Heritage Management Plan is not required. This is not addressed further.

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5. PLANNING ASSESSMENT

This proposal has been assessed against the objectives and standards of applicable clauses of the East Gippsland Planning Scheme and it is considered that the proposed subdivision is appropriate for the following reasons:

- The proposal meets the objectives of the Municipal Planning Strategy at Clause 02 and the Planning Policy Framework at Clause 10 providing an additional vacant parcel of land that can be developed in the future with a residential dwelling that can be respectful of the existing surrounding development and the environment.
- The proposal will contribute to a high standard of environmental sustainability, design and amenity by designing a lot layout to meet the constraints of the land reducing any potential negative environmental implications as sought to achieve by the relevant clauses including Clause 02.03 and Clause 11. The site does contain some scattered vegetation however no vegetation is required to be removed to facilitate the proposed subdivision. It is noted all existing vegetation will be contained in proposed Lot 1.
- Clause 02.03-1 identifies Bairnsdale as a growth area town and encourages development on fully serviced residential

land. Wy Yung is considered a suburb of Bairnsdale. The proposed subdivision will result in one additional vacant allotment that can adequately accommodate a residential dwelling in the future. The subject site has access to a suitable level of services. The proposed lots will be connected to all available services and infrastructure including electricity, telecommunications and a good quality road network. Wastewater will be treated and retained within the allotment boundaries.

- Clause 13.04-2S requires consideration of erosion and landslip. The subject site contains a small area identified as being susceptible to erosion. All standard preventative measures will be undertaken during the construction phase of the proposed subdivision to ensure no erosion hazards occur.
- The proposal meets the objectives of **Clause 16** by providing one additional vacant allotment that can be developed with a dwelling in the future which in turn will support housing for the area. **Clause 16.01-2S** recognises the need to ensure land supply is sufficient to meet demand. The proposed subdivision will create one additional vacant lot within an existing rural living area in Wy Yung.

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- guidelines of the Rural Living Zone at **Clause 35.03-5** which seeks to provide for residential use in a rural environment.
- The proposed subdivision has been designed to meet the constraints of the land and provide a suitable lot layout that is consistent with the surrounding allotments. The proposal will result in one vacant allotment that can be developed with a residential dwelling in the future. The subject site does contain scattered vegetation however, no vegetation is required to be removed to facilitate the proposed subdivision. All existing vegetation will be retained on proposed Lot 1.
- Access to proposed Lot 1 is existing and will remain unchanged via a bitumen crossover and driveway in the southern portion of the western boundary directly to Orrs Road. Access to proposed Lot 2 will require construction and is proposed to be located in the eastern portion of the northern boundary directly to Kingsley Drive.
- The subject site has a suitable level of services including reticulated water, electricity, telecommunications and the existing road network. Wastewater will be treated and retained within the allotment boundaries via standard septic system as

- recommended in the Land Capability Assessment contained in *Appendix C.*
- The proposal is consistent with the decision guidelines of the Erosion Management Overlay at Clause 44.01 which seeks to protect areas prone to erosion, landslip, other land degradation.
- No earthworks are required to facilitate the proposed subdivision beyond provision of services and the construction of access to proposed Lot 2.
- Previous correspondence from Council confirms the subject site is exempt from needing to provide a Geotechnical Risk Assessment waiver given the small amount affecting the land.
- This submission has addressed the decision guidelines of **Clause 65.01** and the proposed subdivision supports orderly planning of the area whilst taking into consideration the potential effect on the environment, human health and the amenity of the area. The proposal does not require the removal of any native vegetation and there will be no negative impact on the existing road network.
- There are no factors of this proposal that are likely to cause or contribute to land degradation, salinity or reduce water quality.

 This submission has addressed the decision guidelines of Clause 65.02 and it is concluded the proposed subdivision is suitable in this location and the subject site can adequately accommodate a future residential dwelling that will in turn support the community by providing for additional housing.

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6. CONCLUSION

This submission is in support of a planning permit application for a two lot subdivision at 160 Orrs Road, Wy Yung.

The relevant provisions of the East Gippsland Planning Scheme have been addressed and it has been ascertained that the proposed subdivision is appropriate in this location. It is requested that the proposal be supported for the following reasons:

- The proposal is consistent with the objectives and strategies outlined in the Municipal Planning Strategy and the Planning Policy Framework.
- The proposal is consistent with the objectives of the Rural Living Zone and Erosion Management Overlay.
- The lot layout is consistent with the character of the area.
- The proposed subdivision will provide for appropriate allotments and the vacant lot being created can be developed with am residential dwelling in the future.

It is requested that a planning permit be granted for this subdivision.

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