



Office Use Only

VicSmart? ☐ YES ☐ NO

Specify class of VicSmart application:

Application No.: Date Lodged: / /

Application for a Planning Permit

If you need help to complete this form, read MORE INFORMATION at the back of this form.

- Any material submitted with this application, including plans and personal information, will be made available for public viewing, including electronically, and copies may be made for interested parties for the purpose of enabling consideration and review as part of a planning process under the *Planning and Environment Act 1987*. If you have any concerns, please contact Council's planning department.
- Questions marked with an asterisk (*) must be completed.
- If the space provided on the form is insufficient, attach a separate sheet.
- Click for further information.

Clear Form

Application Type

Is this a VicSmart application?*

☒ No ☐ Yes

If yes, please specify which VicSmart class or classes:.....

Classes of VicSmart application are listed in zones, overlays , particular provisions and the schedule to Clause 59.15

Pre-application Meeting

Has there been a pre-application meeting with a Council planning officer?

☒ No ☐ Yes

If 'Yes', with whom?:

Date: day / month / year

The Land

Address of the land. Complete the Street Address and one of the Formal Land Descriptions.

Street Address *

Unit No.: St. No.: 5 St. Name: Albert Street

Suburb/Locality: Port Fairy Postcode: 3284

Formal Land Description *

Complete either A or B.

- This information can be found on the certificate of title.
- If this application relates to more than one address, attach a separate sheet setting out any additional property details.

A Lot No.: 1&2 ☐ Lodged Plan ☒ Title Plan ☐ Plan of Subdivision No.: 144690D

OR

B Crown Allotment No.: Section No.:

Parish/Township Name:

The Proposal



You must give full details of your proposal and attach the information required to assess the application. Insufficient or unclear information will delay your application.



For what use, development or other matter do you require a permit? *

Dwelling and Garage



Provide additional information about the proposal, including: plans and elevations; any information required by the planning scheme, requested by Council or outlined in a Council planning permit checklist; and if required, a description of the likely effect of the proposal.



Estimated cost of any development for which the permit is required *

Cost \$ 900,000



You may be required to verify this estimate. Insert '0' if no development is proposed.

If the application is for land within **metropolitan Melbourne** (as defined in section 3 of the *Planning and Environment Act 1987*) and the estimated cost of the development exceeds \$1 million (adjusted annually by CPI) the Metropolitan Planning Levy **must** be paid to the State Revenue Office and a current levy certificate **must** be submitted with the application. Visit www.sro.vic.gov.au for information.

Existing Conditions

Describe how the land is used and developed now *

For example, vacant, three dwellings, medical centre with two practitioners, licensed restaurant with 80 seats, grazing.

Vacant land with unoccupied shed



Provide a plan of the existing conditions. Photos are also helpful.

Title Information

Encumbrances on title *

Does the proposal breach, in any way, an encumbrance on title such as a restrictive covenant, section 173 agreement or other obligation such as an easement or building envelope?



Yes (If 'yes' contact Council for advice on how to proceed before continuing with this application.)



No



Not applicable (no such encumbrance applies).



Provide a full, current copy of the title for each individual parcel of land forming the subject site. The title includes: the covering 'register search statement', the title diagram and the associated title documents, known as 'instruments', for example, restrictive covenants.

Applicant and Owner Details

Provide details of the applicant and the owner of the land.

Applicant *

The person who wants the permit.

Please provide at least one contact phone number *

Where the preferred contact person for the application is different from the applicant, provide the details of that person.

Owner *

The person or organisation who owns the land

Where the owner is different from the applicant, provide the details of that person or organisation.

Name:					
Organisation (if applicable): Form & Function Building Design					
Postal Address:		If it is a P.O. Box, enter the details here:			
Unit No.:					
Suburb/Locality: Warrnambool					

Contact information for applicant OR contact person below	
Fax:	

Contact person's details*			Same as applicant
Name:			
Title:	First Name:	Surname:	
Organisation (if applicable):			
Postal Address:		If it is a P.O. Box, enter the details here:	
Unit No.:	St. No.:	St. Name:	
Suburb/Locality:		State:	Postcode:

Name:		Same as applicant
Organisation (if applicable):		
Postal Address:		If it is a P.O. Box, enter the details here:
Unit No.:		
Owner's Signature (Optional):		Date:
		day / month / year

Information requirements

Is the required information provided?

Contact Council's planning department to discuss the specific requirements for this application and obtain a planning permit checklist.

☐ Yes ☒ No

Declaration

This form must be signed by the applicant *

 Remember it is against the law to provide false or misleading information, which could result in a heavy fine and cancellation of the permit.

I declare that I am the applicant; and that all the information in this application is true and correct; and the owner (if not myself) has been notified of the permit application.

day / month / year



9 albert street



7 albert street



streetview

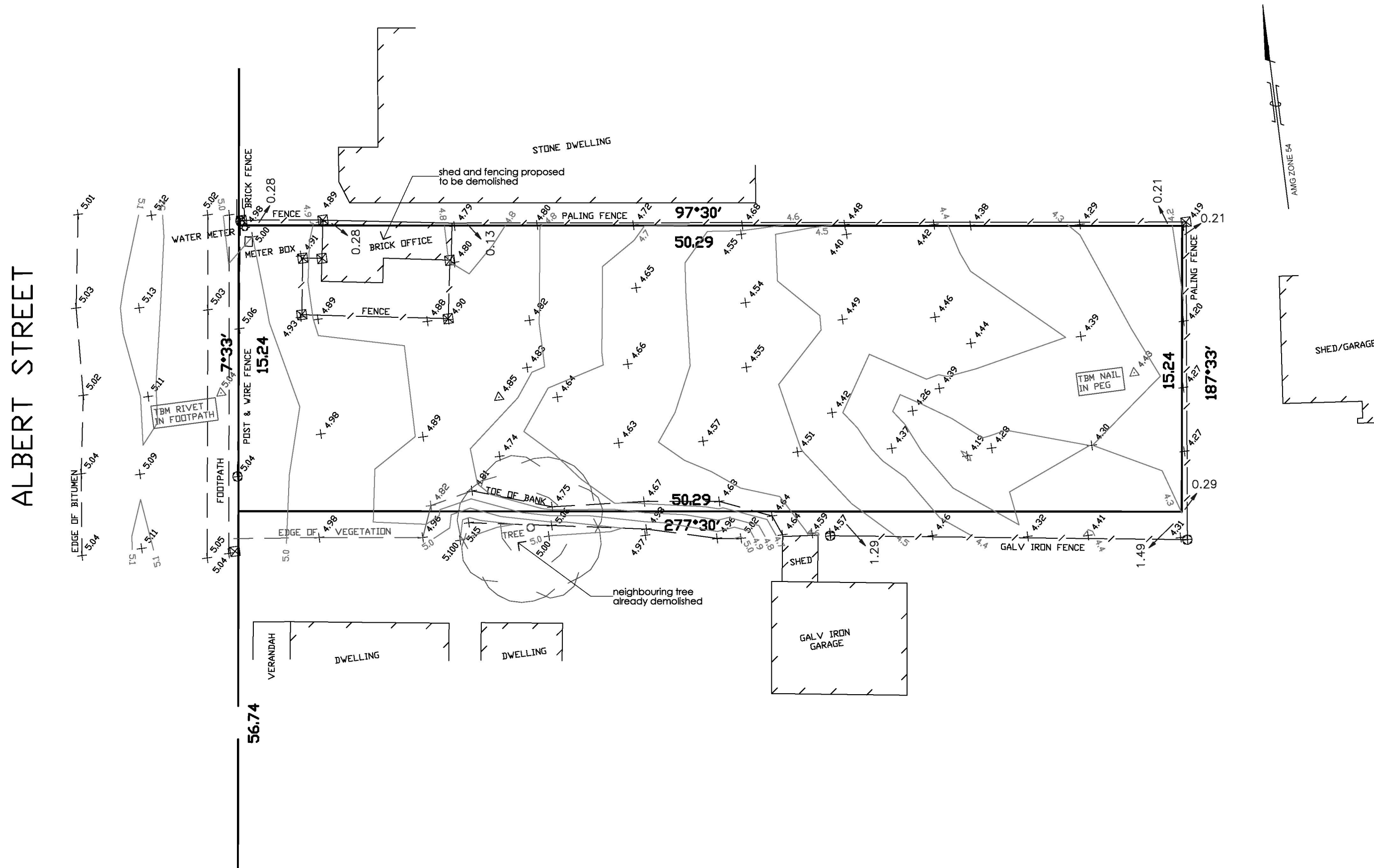


3 albert street

1 albert street

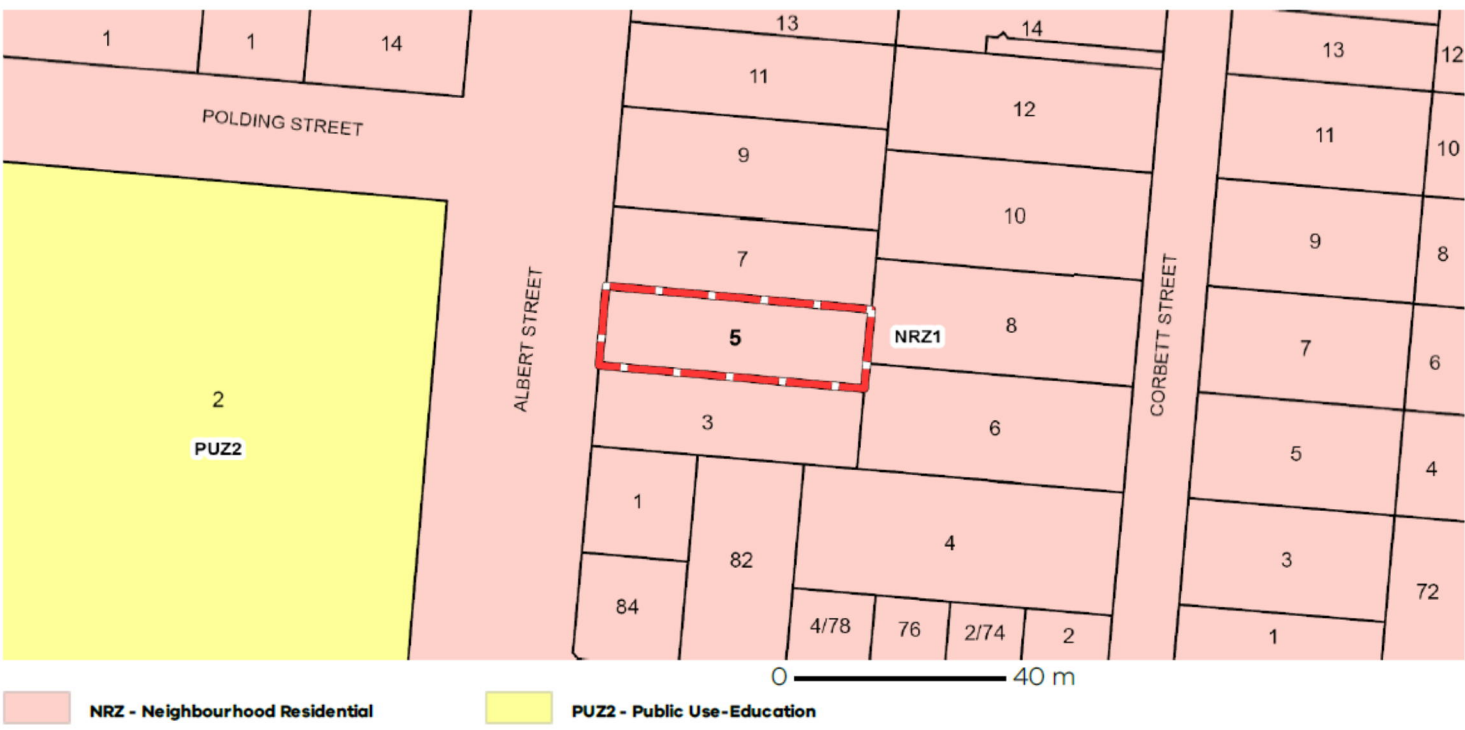


aerial photo

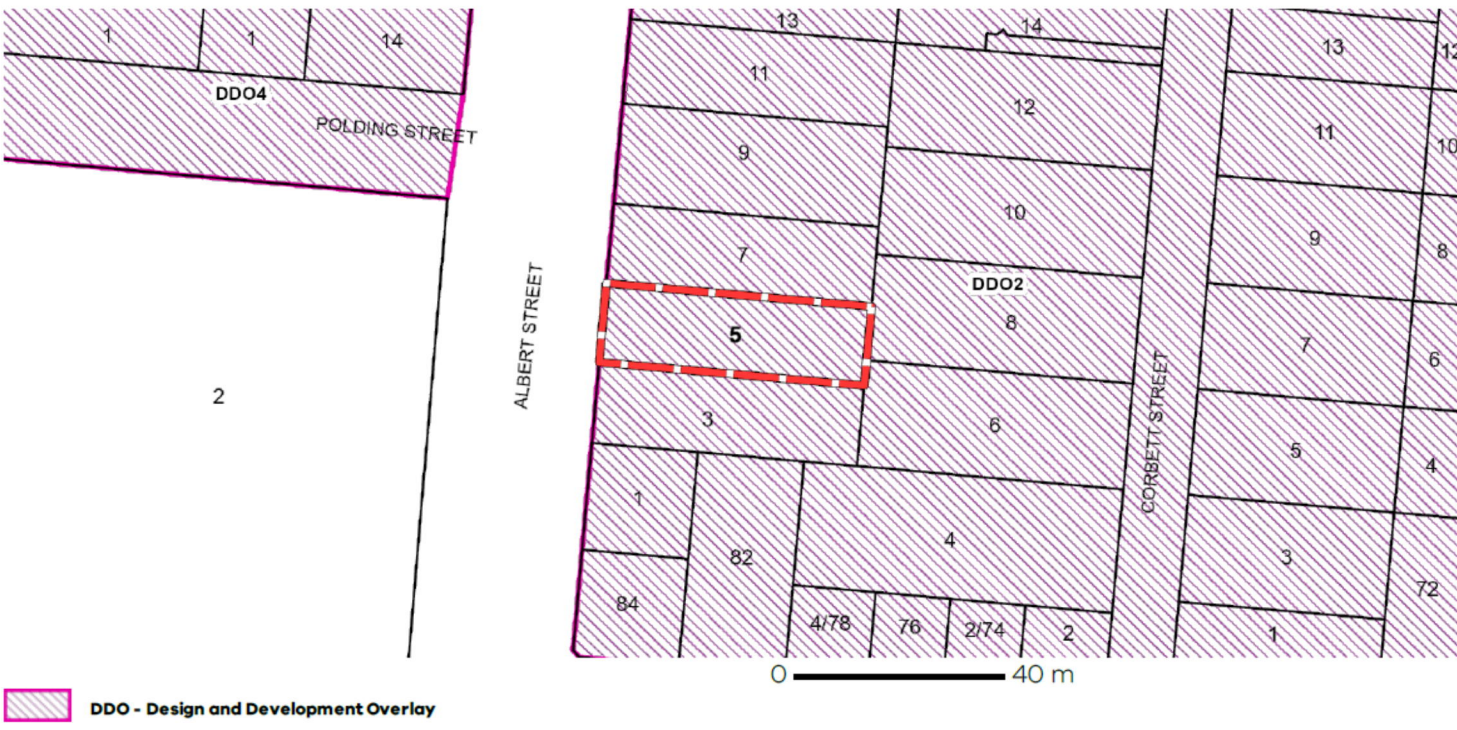


site survey

CAMPBELL STREET



planning overlays and zones



General Notes 1. The Builder shall check all dimensions and levels on site prior to construction. 2. Notify any errors, discrepancies or omissions to the Building Designer. 3. Drawings shall not be used for construction purposes until issued for construction. 4. All works must be executed in a workman like manner and all materials must conform to current Australian Standard codes. 5. These plans are to be read in conjunction with project specifications, relevant reports, engineering and soil testing where indicated. 6. Written dimensions take precedence over scaled dimensions.										NOT FOR CONSTRUCTION		SITE ADDRESS : 5 ALBERT STREET PORT FAIRY VIC 3280		PROJECT : RESIDENCE		ISSUE : PLANNING APPLICATION ISSUE DATE : 20/08/2026		SHEET SIZE : A1 PROJECT NO. : 26010 DRAWING NO. : 1 / 3		FORM AND FUNCTION Address: 853 Raglan Parade, Werribee VIC 3280 Telephone: (03) 5561 0099 Email: info@formandfunction.net.au ABN & BPN: 88 330 502 484 DP-AD 24955 Copyright Reserved Form & Function Building Design	
Rev	Description	Date	Checked																		



leptospermum continentale 'prickly teatree'

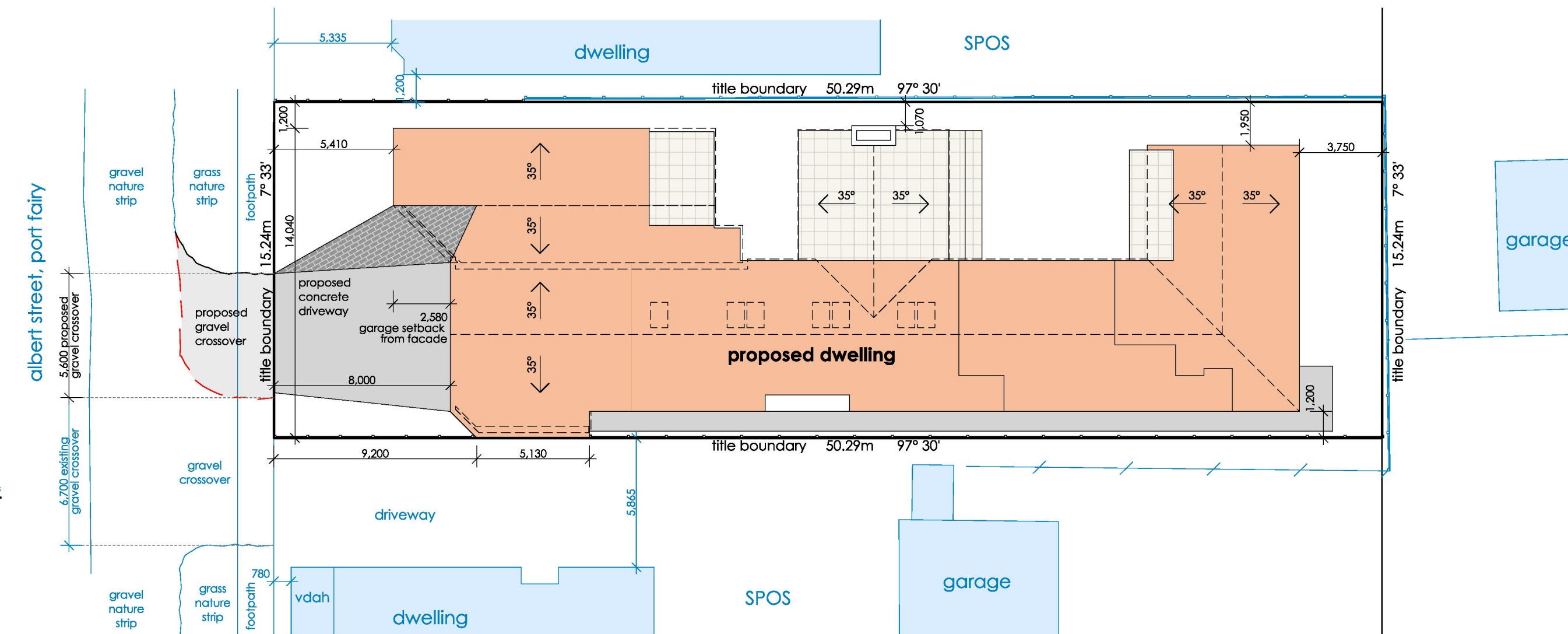
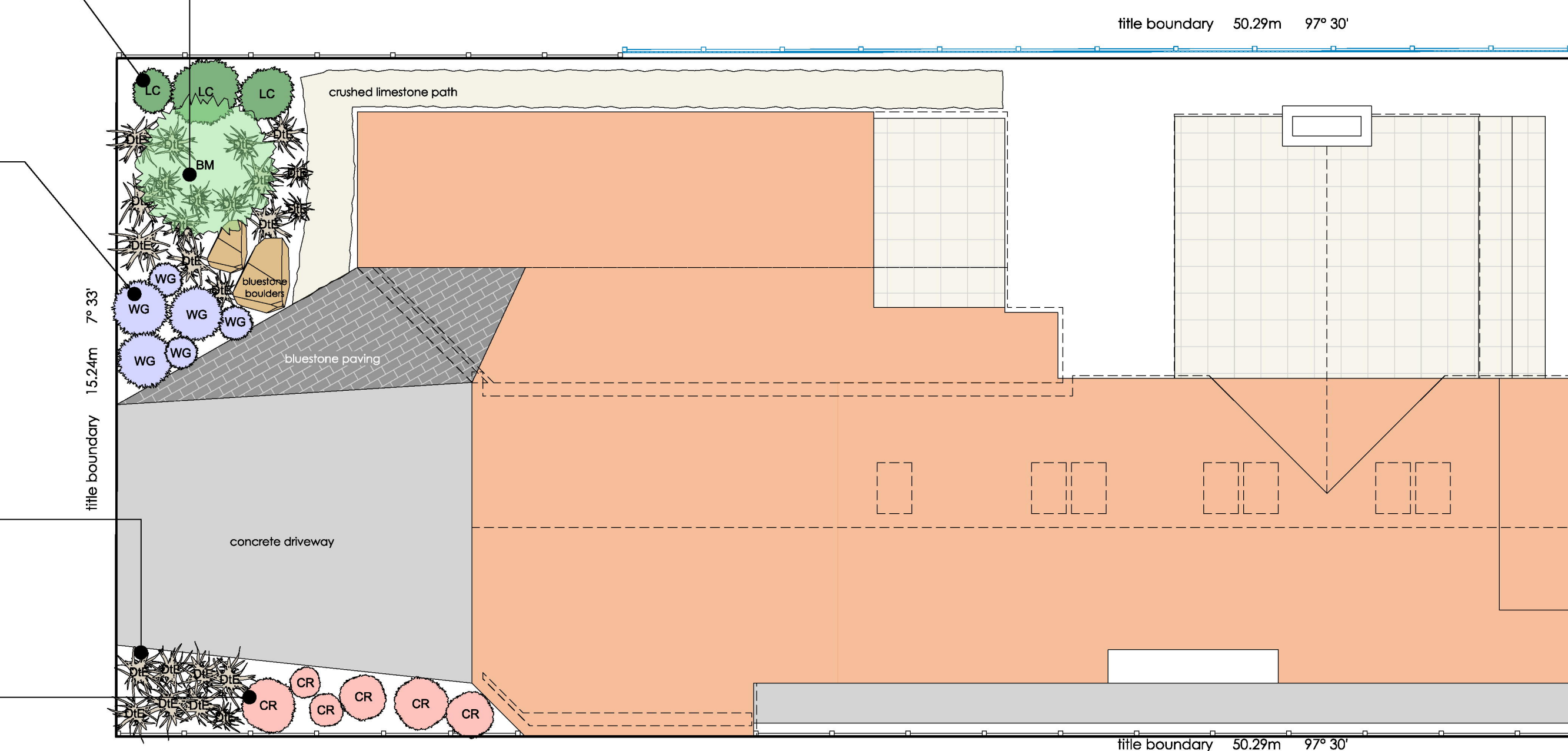
banksia marginata 'silver banksia'

wahlenbergia gracilis 'australian bluebe'

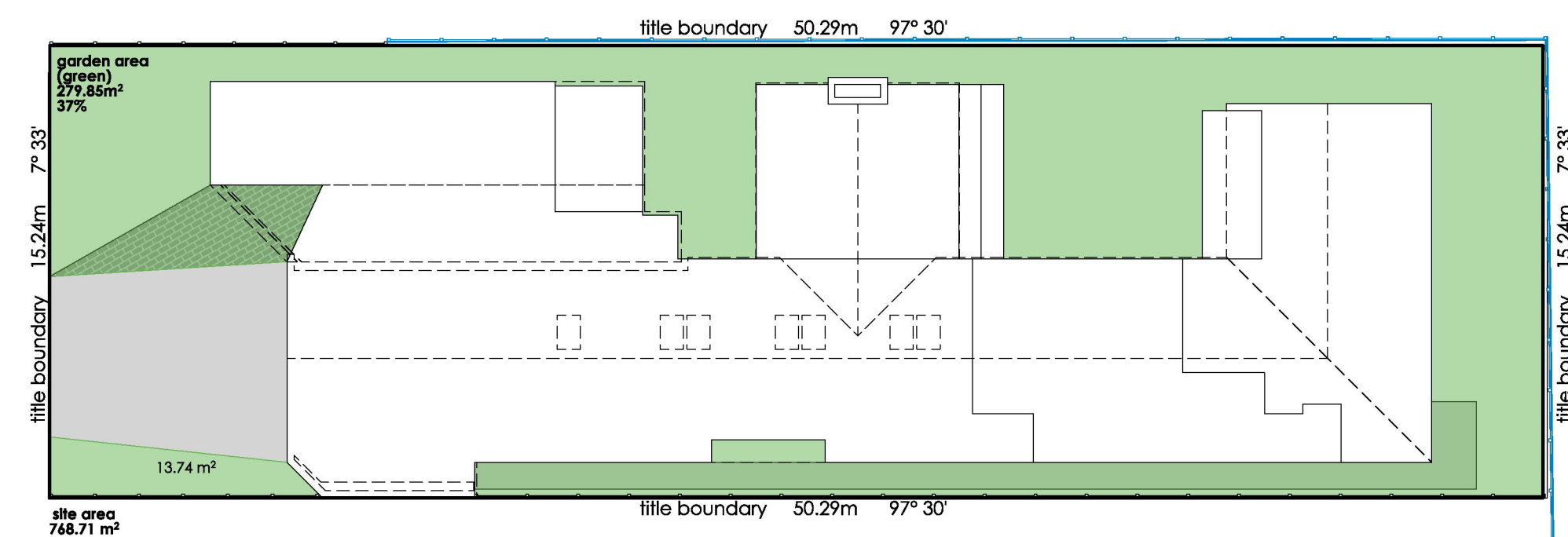
dianella tasmanica 'tasman flox lib'

correa reflexa 'native fuschia'

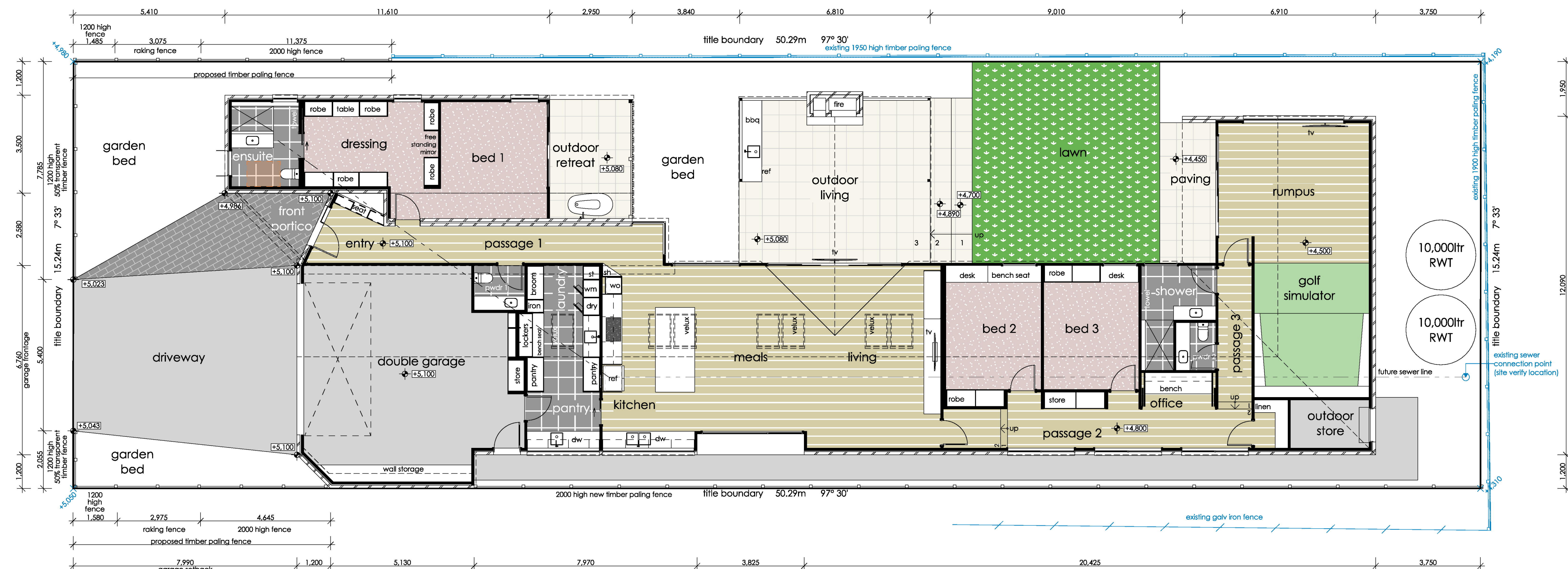
landscape plan
scale 1:100



proposed site plan
scale 1:200



garden area plan
scale 1:200



floor plan
scale 1:100

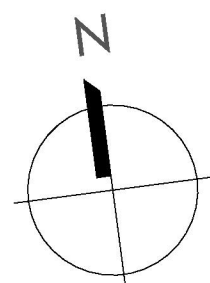
site area (m ²)	
site	768.71

proposed areas analysis	
house	301.09
garage	59.01
outdoor living	51.13
outdoor retreat	12.54
outdoor store	5.98
front portico	4.87
	434.62 m²

hard surface area	
driveway	48.62
front portico	4.87
garage	59.01
house	301.09
outdoor living	51.13
outdoor retreat	12.54
outdoor store	5.98
path	44.25
paving	10.02
	537.51 m²

[illegible]

NOT FOR
CONSTRUCTION



SITE ADDRESS :
5 ALBERT STREET
PORT FAIRY VIC 3280

PROJECT:
RESIDENCE

ISSUE :
PLANNING APPLICATION

ISSUE DATE :
20/08/2026

SHEET SIZE :
A1

PROJECT NO.
26010

DRAWING NO.
2 / 3

Address
853 Raglan Parade,
Warrnambool VIC 3280

Telephone	Online
(03) 5561 1099	info@formandfunction.net.au
0437 611 199	formandfunction.net.au

AIN & BPB
88 330 502 484
DP-AD 24956

FORM AND FUNCTION



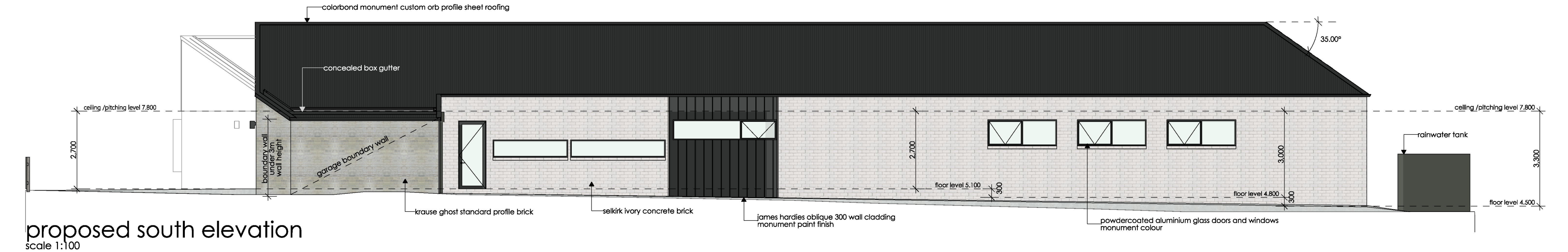
proposed west elevation
scale 1:100



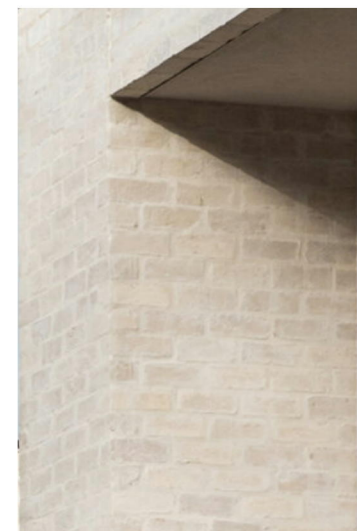
proposed north elevation
scale 1:100



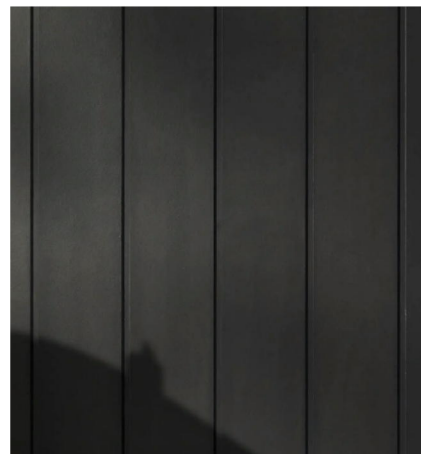
proposed east elevation
scale 1:100



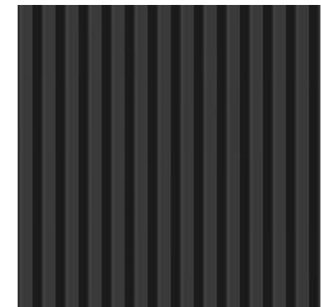
proposed south elevation
scale 1:100



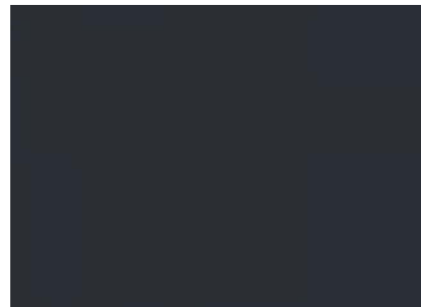
krause ghost classic 76 brick



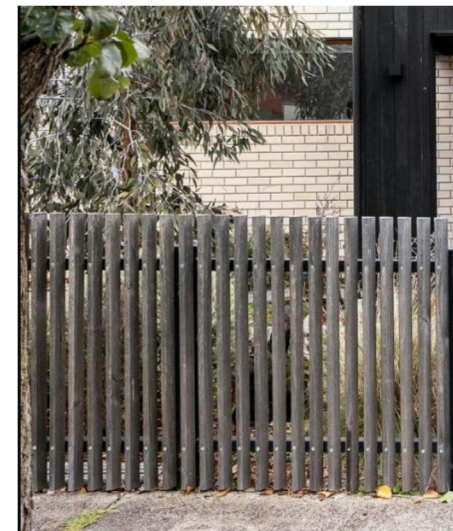
hardie oblique cladding monument



colorbond monument custom orb profile roofing



colorbond monument trims



hardwood front fencing



selkirk ivory concrete brick



south west perspective



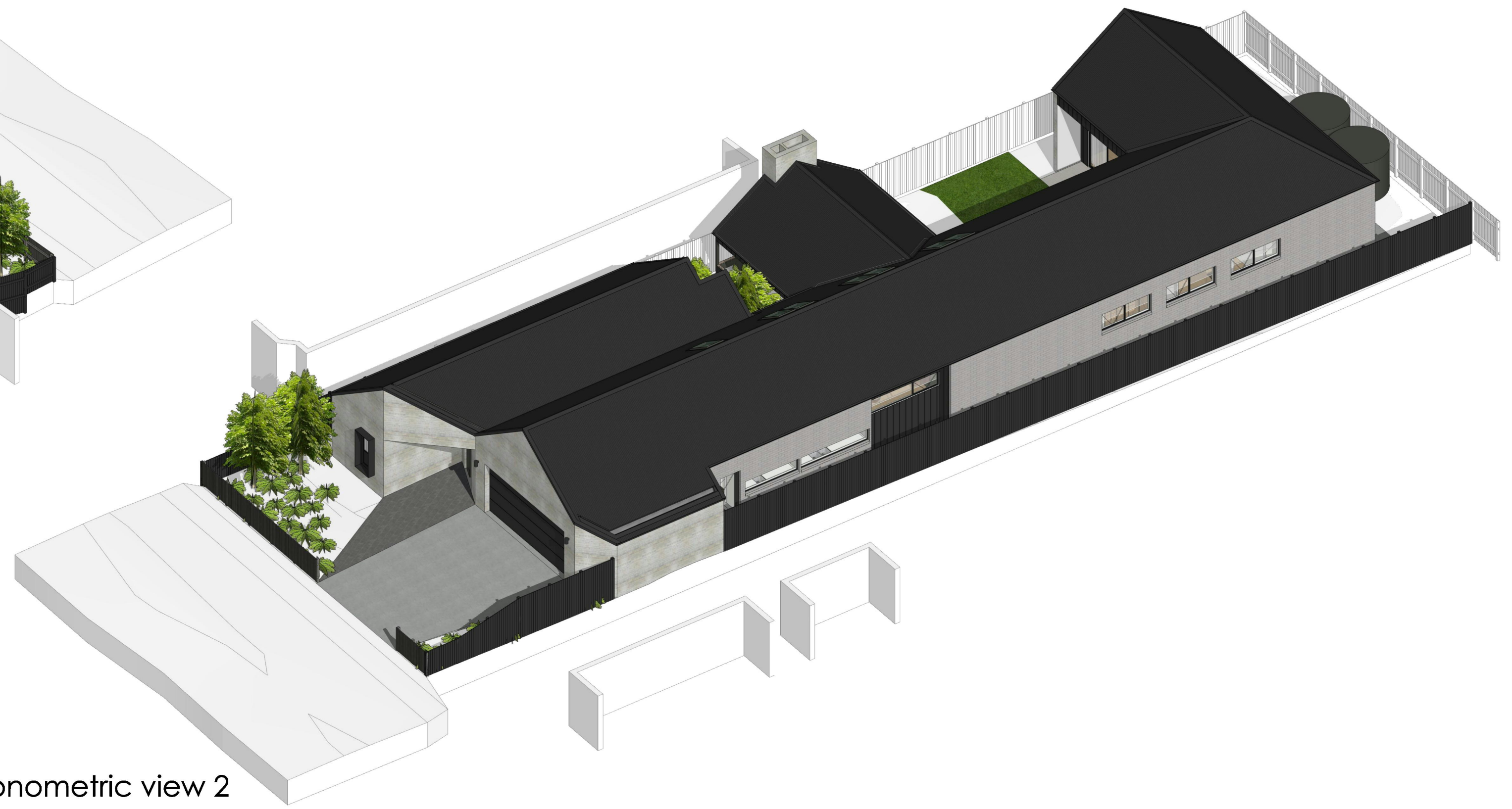
west perspective



north west perspective



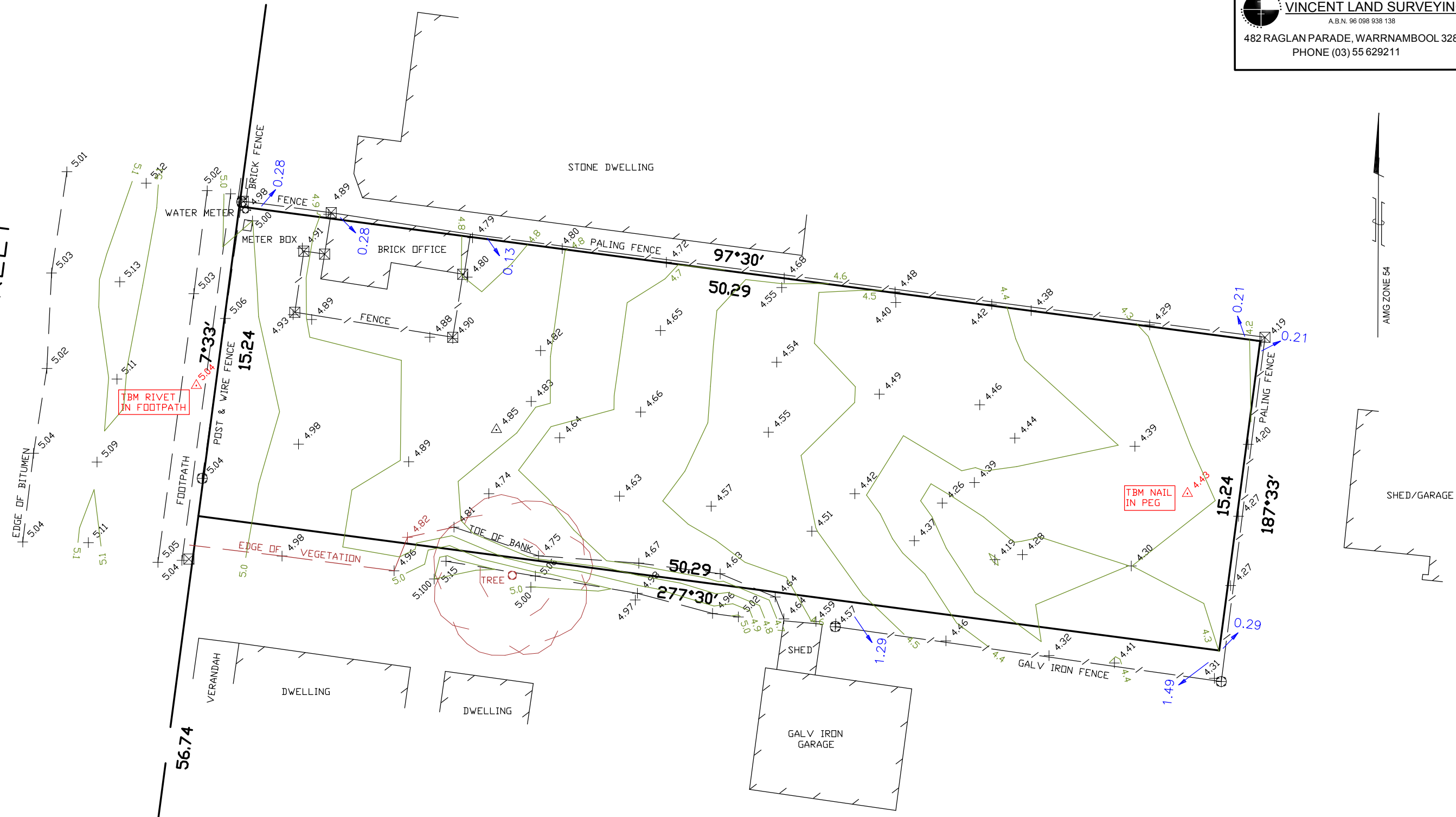
axonometric view 1



axonometric view 2

ALBERT STREET

CAMPBELL STREET



TITLE PLAN		EDITION 1	TP 144690D								
Location of Land Parish: AT PORT FAIRY PARISH OF BELFAST Township: Section: Crown Allotment: Crown Portion: Last Plan Reference: LP 1067 Derived From: VOL 9087 FOL 897 Depth Limitation: NIL		Notations ANY REFERENCE TO MAP IN THE TEXT MEANS THE DIAGRAM SHOWN ON THIS TITLE PLAN									
Description of Land / Easement Information		THIS PLAN HAS BEEN PREPARED FOR THE LAND REGISTRY, LAND VICTORIA, FOR TITLE DIAGRAM PURPOSES AS PART OF THE LAND TITLES AUTOMATION PROJECT COMPILED: 15/09/1999 VERIFIED: M.P									
STREET ALBERT CAMPBELL STREET 13 14 90°0' 50.29 50.29 56.74 15.24 15.24 1 2 21											
<table><tr><th colspan="2">TABLE OF PARCEL IDENTIFIERS</th></tr><tr><td colspan="2">WARNING: Where multiple parcels are referred to or shown on this Title Plan this does not imply separately disposable parcels under Section 8A of the Sale of Land Act 1962</td></tr><tr><td colspan="2">PARCEL 1 = LOT 13 (PT) BLOCK 12 ON LP 1067</td></tr><tr><td colspan="2">PARCEL 2 = LOT 14 (PT) BLOCK 12 ON LP 1067</td></tr></table>				TABLE OF PARCEL IDENTIFIERS		WARNING: Where multiple parcels are referred to or shown on this Title Plan this does not imply separately disposable parcels under Section 8A of the Sale of Land Act 1962		PARCEL 1 = LOT 13 (PT) BLOCK 12 ON LP 1067		PARCEL 2 = LOT 14 (PT) BLOCK 12 ON LP 1067	
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PARCEL 1 = LOT 13 (PT) BLOCK 12 ON LP 1067											
PARCEL 2 = LOT 14 (PT) BLOCK 12 ON LP 1067											
LENGTHS ARE IN METRES	Metres = 0.3048 x Feet Metres = 0.201168 x Links	Sheet 1 of 1 sheets									



5 Albert St Port Fairy Soil Testing Report December 2022



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1 Introduction and Background

██████████ engaged Tutt Environmental to arrange and complete soil testing at 5 Albert St Port Fairy.

The works included;

- sourcing field monitoring equipment, PID meter
- engaging laboratory services (ALS laboratories)
- reporting of field observations and test results.

An excavator with an auger was arranged to dig the 8 investigation holes and survey of the holes was also completed (see map).

It is also noted that the client;

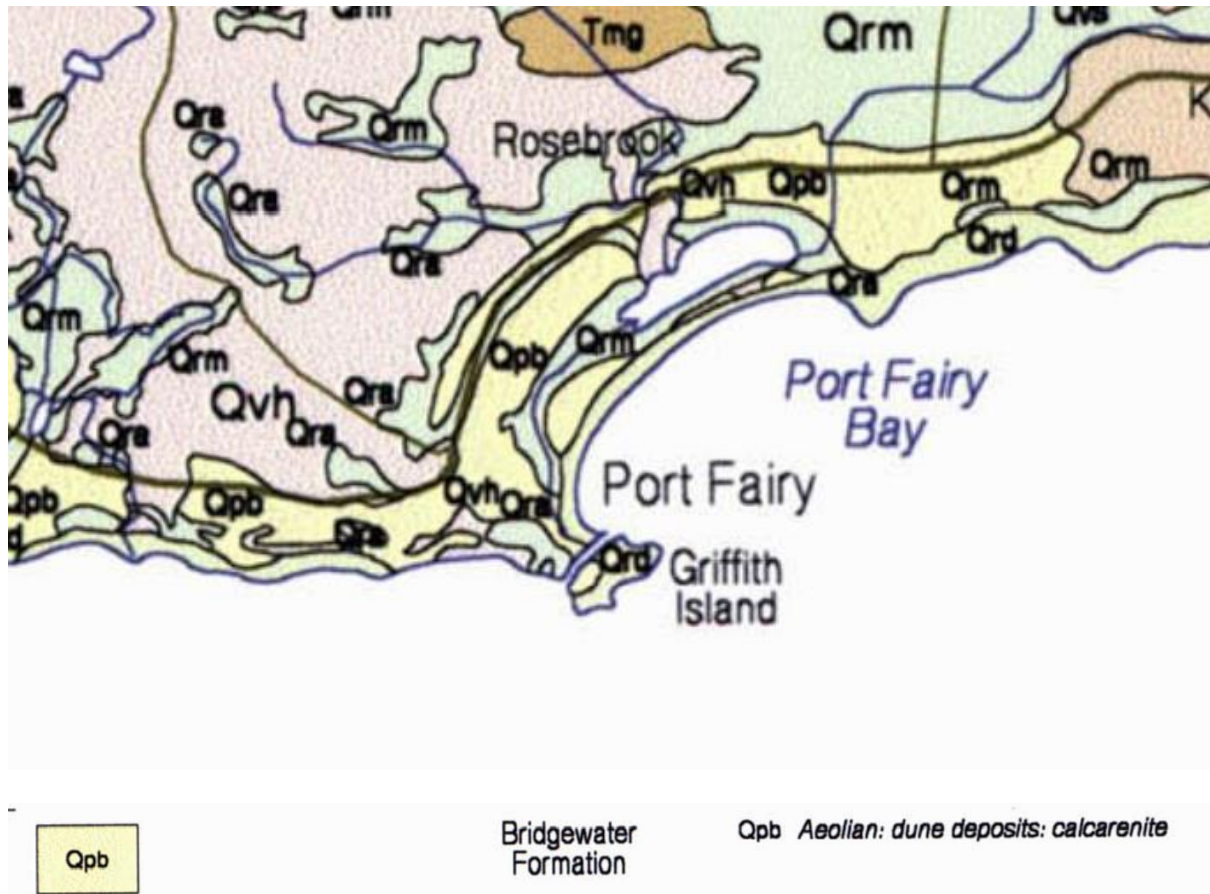
- has undertaken their own investigations into the site history, past and current uses and therefore possible site conditions.
- provided a layout of sampling sites (8) based on their knowledge and needs

The work and report were completed using general standard industry practices and is preliminary in nature.

2 Site Description

The site, 5 Albert St Port Fairy is south of the Princess Highway near where the highway swings west having come into Port Fairy from the north. The 1997 Geological map (1:250,000) shows the site to be in Qpb Bridgewater Formation – dune deposits.

Figure 1 Image of Portland Geological Map (1:250000) – indicating site is located in Qpb.



The site currently has small building in the north west corner, previously a shed also stood on the site (see cover image) that has recently been removed after collapsing during a storm. Historically the site had been used to handle fuels and oils in the period of 1960-1980's(approx.).

3 Results – soil testing

3.1 Field results

Sampling was undertaken on Tuesday the 29th of November using an excavator driven auger approx. 180mm diam (Figure 2) to a depth of 2 m bgl. Surface samples 0 to 0.2 m bgl (below ground level) were collected by manual digging with a post hole shovel.

Figure 2 Images showing examples of auguring hole and retrieval of soil from depth.



During excavation visual and odour observations were made to scan for signs of potential hydrocarbons (given historical use), see Appendix for field bore logs. Samples of the soil were taken based on observations or at predetermined depths (0 to 0.2, 0.5, 1.0, 1.5 and 2.0 m bgl) for PID testing and potentially lab testing (to be determined based on PID readings), see Figure 3.

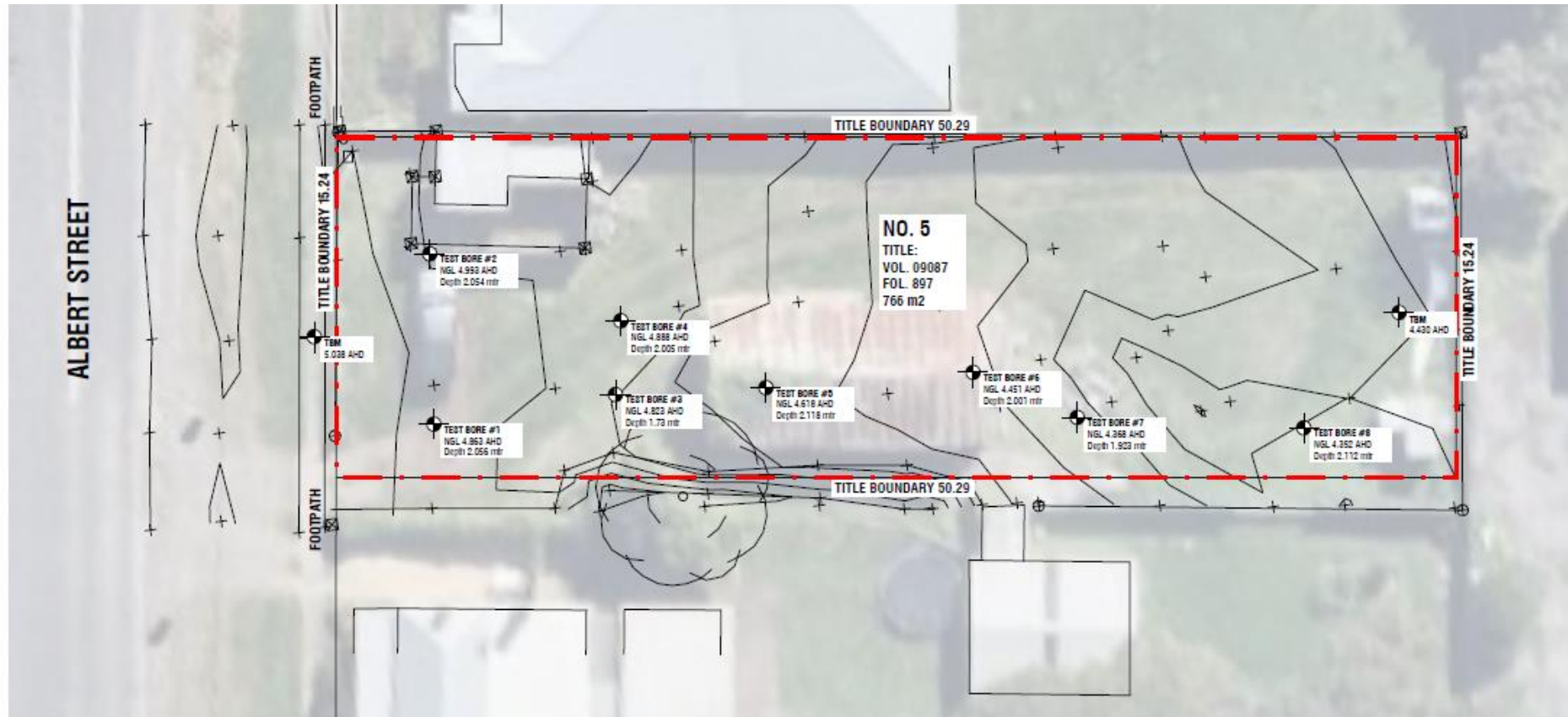
Figure 3 Images of samples being bagged for PID testing and PID testing the bag samples.



In summary the following observations (visual & olfactory sensory) and PID results were;

- The geology encountered agreed with the geological map, predominantly a dark silty loam topsoil that varied in depth from 0.5 to 1m depth, followed by a limestone band, and a pale white to yellow fine to medium sand from approx. 1 to 2 m bgl.
- No noticeable hydrocarbon odours were detected
- No noticeable staining or oily film was detected
- PID reading from all samples taken (40) 38 recorded a zero (0) ppm, while 1 sample recorded 0.1 ppm and another 0.3 ppm (the PID operation was checked by using a cigarette lighter and the permanent marker, also Calibration Certificate in Appendix. As a guide a PID of 20 ppm flags the samples, 50 ppm suggests lab analysis warranted and 100 ppm suggest likely issues).
- PID readings taken immediately above the augured soil returns recorded 0 ppm and the PID was also held at the top of the auger hole and slowly lowered to arms lengths into the hole again 0 ppm PID results were noted.

Figure 4 Image of sampling locations – Test Bore #1 to 8 from west to east (a full version of the plan is in the Appendix.)



3.2 Laboratory Results

Twenty-four samples (three per bore hole) were sent to ALS laboratories for chemicals of concern (COC) analysis. The 8 surface samples were tested for TRH(C6-C40) / BTEX / PAH and 8 metals, and samples at 0.5 and 1.0 m bgl were tested for TRH(C6-C40) / BTEX / Pb. Based on the PID results and observations deeper samples were not sent for testing.

In general, results concur with field observations;

- the majority of testing classifies the soil as fill (i.e., not contaminated).
- Four (4) samples were above clean fill Nickel upper limits (60 mg/kg), these being at hole 1, 3, 4 and 7, at the surface at concentrations of 98, 68, 66, and 71 mg/kg respectively. It should be noted the NEPM (National Environment Protection Measures) Health Investigation Level is 400 mg/kg and that elevated nickel concentrations are associated with volcanic basalt soils.
- Four (4) samples were above clean fill Zinc upper limits (200 mg/kg), these being at hole 4, 5, 6 and 7 at the surface at concentrations of 207, 289, 842, and 565 mg/kg respectively. It should be noted the NEPM (National Environment Protection Measures) Health Investigation Level is 7,400 mg/kg and that elevated zinc concentrations in this instance could be most easily explained by associated with the galvanised iron shed that previously located on the site for over 40 years.
- One (1) sample was over the clean fill upper limits for Total Petroleum Hydrocarbons (TPH) C10-C36 fraction(sum) of 1000 mg/kg at site 5 at the surface being 2080 mg/kg. This is well below the Category D limit of 5000 mg/kg (a relatively new waste category for least hazardous soils, see <https://www.epa.vic.gov.au/for-business/waste/waste-classification/managing-waste-soil>).
- One sample was at the clean fill limit for Benzo(a)pyrene (1 mg/kg) at site 6 at the surface the results being 1 mg/kg

In relation to the hydrocarbon exceedances above for clean fill, the results when assessed against NEPM guidelines for soil vapour intrusion residential land use, the limit was not exceeded (see table in Appendix).

Also of note are Chromium concentrations (range 20-46 mg/L) which appear typical of volcanic soil, the EPA clean fill limit is for specifically hexavalent chromium and given the sites historically Chromium is not a COC.

4 Discussion and Conclusion

The results that exceeded Vic. EPA fill limits could be explained by;

- naturally occurring in the volcanic basalt soils of the district.
- associated with the galvanised iron shed on the site
- the 2 samples that had the hydrocarbon signals at and above the clean fill limits could be explained by historical and current uses, i.e., historical use as fuel and oils were handled on the site and current use of having petrol driven mowers and vehicle's access the site.

Also, of note is at the site of the old shed currently has a scattering of objects, such as scrap metal, nails, hinges, glass etc. and in some circumstances, this could be considered contamination or a hazard. Consideration to the removal of this should be considered depending on future use.

Based on the work undertaken;

- No significant contamination or pollution concerns are obvious, (noting only 1 of the 8 sites recorded a result associated with COC exceeding "fill" upper limits. The C10-C36 Fraction (sum) at 2080 mg/kg was approx. double the clean fill standard (1000 mg/kg) and well below the low hazard category D threshold of 5000 mg/kg)
- exceedance of fill guidelines for Nickel and Zinc are explainable, due natural levels metals found in the local basalt soil and probably associated with the galvanised iron shed on site and are not above NPEM HILs.

Appendix and Attachments

ALS Laboratory Reports – separate file

Excel Files – tables showing various environmental standards and results.

PID Calibration Certificate

Equipment Calibration Form RKI GX-6000 PID



Enqip #: 18073
Company: Tutt Environmental
Consultant: [REDACTED]
PO #: RFQ
Certificate #: 26724

INSTRUMENT IDENTIFICATION

Model Number: GX-6000
Serial Number: 52K0118301-3RN

INSPECTION RECORD

Flow Rate: PASS Inlet Filter: PASS
Buzzer: PASS Date & Time: PASS

CALIBRATION DETAILS

Parameters	Standard	Result
Air	0.0 ppm	0.0 ppm
Isobutylene	100.0 ppm	99.9 ppm

Calibration Successful: YES

Calibrated By: [REDACTED]

Test Date: 23/11/2022



Photos

Image of the returns and auger hole.



Image of the pale-yellow sand encountered on site – this example is hole 8 at approx. 1.5m depth.



Photos continued...

Image showing the dark brown silty loam topsoil above the auger hole.



Image of the pale white yellow sand encountered typically in the 1-2 m bgl.



Soil Logs

Hole 1

tutt environmental							
local service engineering solutions							
Client:				Driller/Operator:		Bore ID:	
Monitoring Well I.D. ① north west				Bore Depth:		Easting:	
Site Location: corner				Rig Type: excavator + auger		Northing:	
Date: 29/11/22 9.10				Logged By:		GW Depth:	
Checked By:							
Depth (m bgl)	Sample ID:	Graphic Log	Description - Type, colour, grain size, inclusions (crushed rock, organic matter, inert waste), plasticity, moisture, odour.	PID Readings (ppm)	Drill Method	Well Construction Details (NTS)	
	Above ground						
0.1	10.02		top soil fill moist no odour	0.0			
0.2			buff dark brown				
0.3			dark brown silt loam				
0.4			no odour moist slightly photo	0.0			
0.5	10.5		↓				
0.6							
0.7			same little bit of limestone				
0.8			no odour slightly moist				
0.9				0.0			
1	11.0		↓				
1.1							
1.2							
1.3							
1.4			↓				
1.5	11.5		pale sand white yellow	0.0			
1.6			photo				
1.7			no odour				
1.8			slightly moist				
1.9			↓				
2	12.0		finish.	0.0			
2.1							
2.2							
2.3							
2.4							
2.5							
2.6							
2.7							
2.8							
2.9							
3							

PID verified checked with lighter.
 auger returns 0.0
 in hole 0.0.

Hole 2.

tutt environmental						
local service engineering solutions						
Client:		Driller/Operator:		Bore ID:		
Monitoring Well I.D.		Bore Depth:				
Site Location: 2 SOUTH WEST		Rig Type:		Easting:		
DATE 9.35		Logged By:		Northing:		
Date:		Checked By:		GW Depth:		
Depth (mbgl)	Sample ID:	Graphic Log	Description - Type, colour, grain size, inclusions (crushed rock, organic matter, inert waste), plasticity, moisture, odour.	PID Readings (ppm)	Drill Method	Well Construction Details (NTS)
	Above ground		bare driveway			
0.1	2 0.02		fill + natural dark silty soil			
0.2			150mm + mix slightly moist no odor	0.0		
0.3			dark silty soil no odor			
0.4						
0.5	2 0.5		little bit of limestone	0.0		
0.6						
0.7			limestone			
0.8			tan clayey silt bit lighter than soil above. slightly moist			
0.9						
1	2 1.0		no odor. photo	0.0		
1.1						
1.2			tan clayey sandy silt.			
1.3			no odor moist slight			
1.4						
1.5	2 1.5			0.0		
1.6						
1.7			yellow sand no odor			
1.8			+ tan clayey sandy silt.			
1.9			slightly moist no odor.			
2	2 2.0			0.0		
2.1			fill			
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3						

PID of auger 0.0 in hole 0.0 returns

Hole 3

all could be fill? pm comments

tutt environmental						
local service engineering solutions						
Client:		Driller/Operator:		Bore ID: 3		
Monitoring Well I.D.:		Bore Depth:		Easting:		
Site Location: 3		Rig Type:		Northing:		
Date: 24.11.22 10.30		Logged By:		GW Depth:		
Date: 24.11.22 10.30		Checked By:		GW Depth:		
Depth (mbgl)	Sample ID:	Graphic Log	Description - Type, colour, grain size, inclusions (crushed rock, organic matter, inert waste), plasticity, moisture, odour,	PID Readings (ppm)	Drill Method	Well Construction Details (NTS)
	Above ground		grass			
0.1	3.0-0.2		dark silty sand topsoil no odour			
0.2			some gravel fill? slightly moist	0.0		
0.3			dark sandy silt silty sand			
0.4			no odour. photo			
0.5	3.0-0.5			0.0		
0.6			limestone fragments			
0.7			lighter sandier silty sand.			
0.8			no odour chunky moist			
0.9			some scoring gravel - possibly fill			
1	3.1.0			0.0		
1.1			dark sand silty			
1.2			some limestone fragments			
1.3			some scoring			
1.4						
1.5	3.1.5			0.3		
1.6						
1.7			as above			
1.8			stainless hose clamp			
1.9			drier no odour			
2	3.2.0		hole collapsing back in	0.0		
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3						

avg returns 0.0 PID
hole 0.0 P.D

Hole 4

tutt environmental							
local service engineering solutions							
Client:		Driller/Operator:		Bore ID: 4			
Monitoring Well I.D.		Bore Depth:					
Site Location: 4		Rig Type:		Easting:			
Date:		Logged By:		Northing:			
		Checked By:		GW Depth:			
Depth (mbgl)	Sample ID:	Graphic Log	Description - Type, colour, grain size, inclusions (crushed rock, organic matter, inert waste), plasticity, moisture, odour.	PID Readings (ppm)	Drill Method	Well Construction Details (NTS)	
	Above ground		loose grass				
0.1			dark silty sand gravel				
0.2	4 0.2		fill with no odor.	0.0			
0.3			dark silty sand. some gravel				
0.4			rock maybe fill?				
0.5	4 0.5		slightly moist no odor	0.0			
0.6			? fill limestone tuff.				
0.7			silty sand no odor				
0.8			slight moist				
0.9							
1	4 1.0			0.0			
1.1			dark silty sand.				
1.2			some gravel / scoria				
1.3			slightly moist				
1.4			some lighter sand. no odor.				
1.5	4 1.5			0.0			
1.6							
1.7			some light sand dark silty sand				
1.8			more lighter sand pale yellow				
1.9							
2	4 2.0		pale yellow sand no odor	0.0			
2.1	fan.						
2.2							
2.3							
2.4							
2.5							
2.6							
2.7							
2.8							
2.9							
3							

PID 0.0 in auger returns + hole

lighter check OK ✓

Hole 5

tutt environmental						
Local service engineering solutions						
Client:			Driller/Operator:		Bore ID: 5	
Monitoring Well I.D.			Bore Depth:		Easting:	
Site Location: 5 11.17			Rig Type:		Northing:	
Date:			Logged By:		GW Depth:	
Checked By:						
Depth (mbgl)	Sample ID:	Graphic Log	Description - Type, colour, grain size, inclusions (crushed rock, organic matter, inert waste), plasticity, moisture, odour.	PID Readings (ppm)	Drill Method	Well Construction Details (NTS)
	Above ground		rubbish weeds			
0.1			dark silty top soil			
0.2	50-02		no odour slight moist.	0.1		
0.3			dark very dark chocolate			
0.4			clayey sandy silt slight			
0.5	5-05		moist no odour	0.0		
0.6			some limestone frag.			
0.7			dark silt brown clay sand.			
0.8			slight moist bit sticky			
0.9			no odour			
1	51-0		basalt fragments	0.0		
1.1						
1.2			as above.			
1.3						
1.4						
1.5	51-5		fine sand silty clayey tan brown no odour.	0.0		
1.6						
1.7			lighter sand pale yellow			
1.8			medium grain slight moist			
1.9			no odour photo.			
2	52-0			0.0		
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3						

PID of auger returns / hole 0.0

surface sample with some signs/sleer
PID 1.3.

Hole 6

tutt environmental local service engineering solutions						
Client:		Driller/Operator:		Bore ID: 6		
Monitoring Well I.D.:		Bore Depth:		Eastings:		
Site Location: 6		Rig Type:		Northings:		
Date:		Logged By:		GW Depth:		
Checked By:						
Depth (mbgl)	Sample ID:	Graphic Log	Description - Type, colour, grain size, inclusions (crushed rock, organic matter, inert waste), plasticity, moisture, odour.	PID Readings (ppm)	Drill Method	Well Construction Details (NTS)
	Above ground		rubble / weeds			
0.1			dark silt top soil			
0.2	60-0.2		no odour	0.0		
0.3						
0.4			limestone dark silt soil no odour slight moist-			
0.5	60.5		rock tan clayey sand.	0.0		
0.6						
0.7			tan sand slight moist			
0.8			medium no odour			
0.9			photo			
1	61.0			0.0		
1.1						
1.2			pale yellow medium silt.			
1.3			medium fine slight moist			
1.4			no odour			
1.5	61.5			0.0		
1.6						
1.7			as above			
1.8			clean sand yellow			
1.9						
2	62.0			0.0		
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3						

avg returns / hole 0.0 PID

Hole 7

tutt environmental				under fuel tank		
Local service engineering solutions						
Client:		Driller/Operator:		Bore ID: 7		
Monitoring Well I.D.:		Bore Depth:				
Site Location: 7		Rig Type:		Easting:		
Date:		Logged By:		Northing:		
		Checked By:		GW Depth:		
Depth (mbgl)	Sample ID:	Graphic Log	Description - Type, colour, grain size, inclusions (crushed rock, organic matter, inert waste), plasticity, moisture, odour.	PID Readings (ppm)	Drill Method	Well Construction Details (NTS)
	Above ground		low grass			
0.1			sandy silty dark top soil			
0.2	7 0.2		slight moist no odour	0.0		
0.3			limestone fragments in			
0.4			dark silty soil moist			
0.5	7 0.5		no odour	0.0		
0.6						
0.7			dark silty clayey soil			
0.8			bit sticky no odour			
0.9						
1	7 1.0		lighter sand tan to yellow	0.0		
1.1						
1.2			yellow medium sand			
1.3			pale slightly moist			
1.4			no odour			
1.5	7 1.5			0.0		
1.6						
1.7			as above			
1.8						
1.9						
2	7 2.0			0.0		
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3						

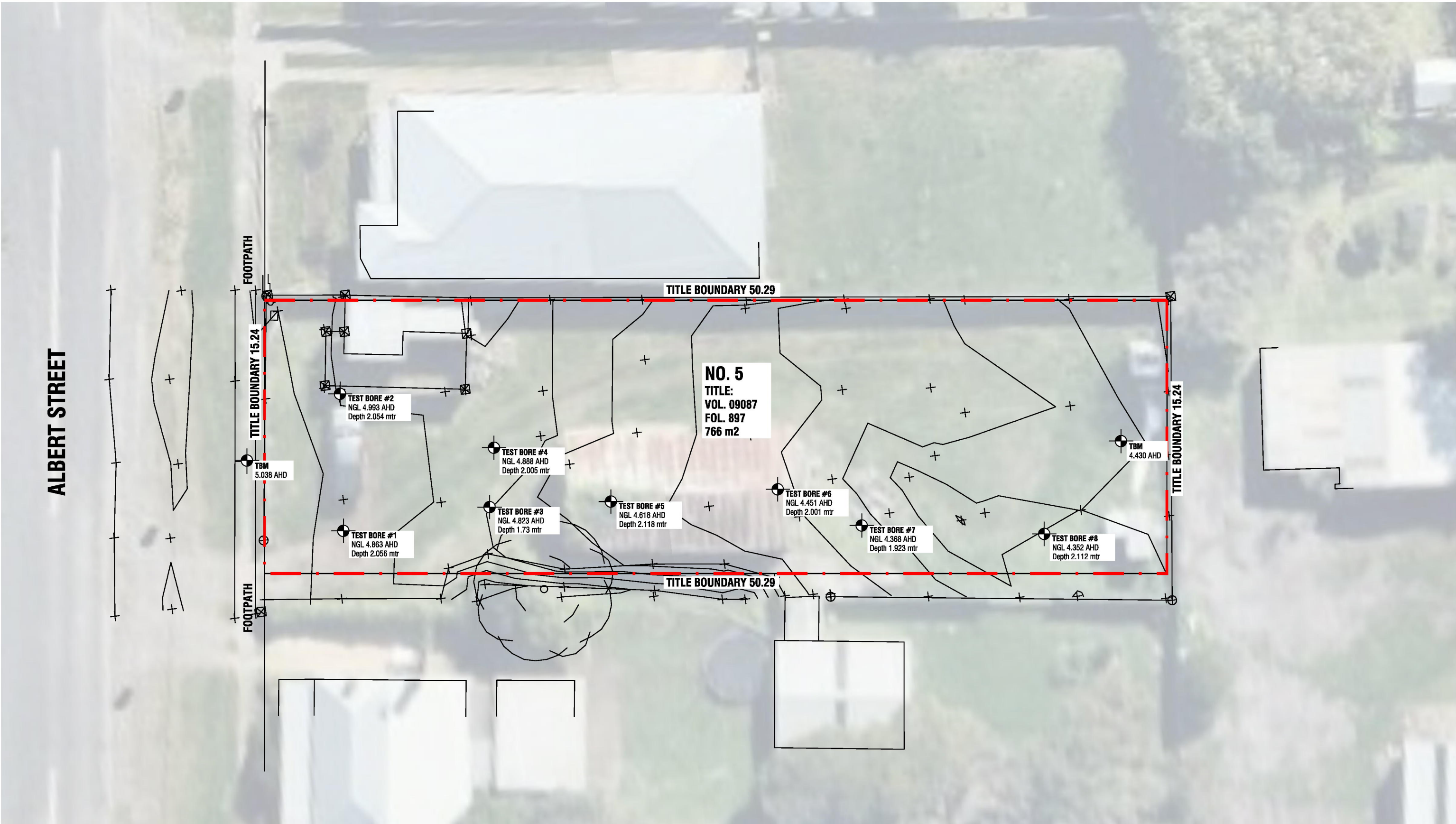
avg returns + hole 0.0 PID.

Hole 8

tutt environmental local service engineering solutions				adjacent tank rear UST. edge		
Client:		Driller/Operator:		Bore ID: 8		
Monitoring Well I.D.:		Bore Depth:		Easting:		
Site Location: 8		Rig Type:		Northing:		
Date:		Logged By:		GW Depth:		
Checked By:						
Depth (mbgl)	Sample ID:	Graphic Log	Description - Type, colour, grain size, inclusions (crushed rock, organic matter, inert waste), plasticity, moisture, odour.	PID Readings (ppm)	Drill Method	Well Construction Details (NTS)
	Above ground		cover grass			
0.1			dark sandy silt topsoil			
0.2	8 0-0.2		no odour slight moist	0.0		
0.3						
0.4			limestone hard. distinct			
0.5	8 0-0.5		no odour	0.0		
0.6						
0.7			tan sand slight moist			
0.8			yellow sand. no odour			
0.9						
1	8 1-0			0.0		
1.1						
1.2			pale yellow sand			
1.3			slight moist			
1.4			no odour			
1.5	8 1-5			0.0		
1.6						
1.7			as above			
1.8						
1.9						
2	8 2-0			0.0		
2.1						
2.2						
2.3						
2.4						
2.5						
2.6						
2.7						
2.8						
2.9						
3						

auger returns + auger hole 0.0 PID

lighter check ✓



SOIL TEST SURVEY
SCALE 1:200

notes	date	revision	amendment

project
REDUNDANT FUEL DEPOT
address
5 ALBERT ST, PORT FAIRY, VIC 3284
client

drawing title
SOIL TEST SURVEY
sheet size
A3
drawing no. **01** - revision no.
date of issue
13/12/2022



CERTIFICATE OF ANALYSIS

Work Order : **EM2223866**

Client : **CTS ENVIRONMENTAL PTY LTD**

Contact : [REDACTED]

Address : [REDACTED]
[REDACTED]
[REDACTED]

Telephone : [REDACTED]

Project : **Tutt**

Order number : ---

C-O-C number : ---

Sampler : ---

Site : ---

Quote number : **MEBQ/202/21**

No. of samples received : **24**

No. of samples analysed : **24**

Page : 1 of 12

Laboratory : **Environmental Division Melbourne**

Contact : [REDACTED]

Address : [REDACTED]
[REDACTED]
[REDACTED]

Telephone : [REDACTED]

Date Samples Received : **01-Dec-2022 07:06**

Date Analysis Commenced : **02-Dec-2022**

Issue Date : **07-Dec-2022 15:15**



Accreditation No. 825
Accredited for compliance with
ISO/IEC 17025 - Testing

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted, unless the sampling was conducted by ALS. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is carried out in compliance with procedures specified in 21 CFR Part 11.

<i>Signatories</i>	<i>Position</i>	<i>Accreditation Category</i>
[REDACTED]	Laboratory Coordinator	Melbourne Inorganics, Springvale, VIC
[REDACTED]	Senior Organic Chemist	Melbourne Organics, Springvale, VIC



General Comments

The analytical procedures used by ALS have been developed from established internationally recognised procedures such as those published by the USEPA, APHA, AS and NEPM. In house developed procedures are fully validated and are often at the client request.

Where moisture determination has been performed, results are reported on a dry weight basis.

Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Where a result is required to meet compliance limits the associated uncertainty must be considered. Refer to the ALS Contract for details.

Key : CAS Number = CAS registry number from database maintained by Chemical Abstracts Services. The Chemical Abstracts Service is a division of the American Chemical Society.

LOR = Limit of reporting

^ = This result is computed from individual analyte detections at or above the level of reporting

Ø = ALS is not NATA accredited for these tests.

~ = Indicates an estimated value.

- EP071: EM2223866-003 & -008 sample TRH results were confirmed by re-analysis.
- Benzo(a)pyrene Toxicity Equivalent Quotient (TEQ) per the NEPM (2013) is the sum total of the concentration of the eight carcinogenic PAHs multiplied by their Toxicity Equivalence Factor (TEF) relative to Benzo(a)pyrene. TEF values are provided in brackets as follows: Benz(a)anthracene (0.1), Chrysene (0.01), Benzo(b+j) & Benzo(k)fluoranthene (0.1), Benzo(a)pyrene (1.0), Indeno(1.2.3.cd)pyrene (0.1), Dibenz(a,h)anthracene (1.0), Benzo(g,h,i)perylene (0.01). Less than LOR results for 'TEQ Zero' are treated as zero, for 'TEQ 1/2LOR' are treated as half the reported LOR, and for 'TEQ LOR' are treated as being equal to the reported LOR. Note: TEQ 1/2LOR and TEQ LOR will calculate as 0.6mg/Kg and 1.2mg/Kg respectively for samples with non-detects for all of the eight TEQ PAHs.
- EP080: Where reported, Total Xylenes is the sum of the reported concentrations of m&p-Xylene and o-Xylene at or above the LOR.
- EP075(SIM): Where reported, Total Cresol is the sum of the reported concentrations of 2-Methylphenol and 3- & 4-Methylphenol at or above the LOR.



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID				
Sampling date / time				1 0-0.2	2 0-0.2	3 0-0.2	4 0-0.2	5 0-0.2
Compound				29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30
CAS Number	LOR	Unit		EM2223866-001	EM2223866-002	EM2223866-003	EM2223866-004	EM2223866-005
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	1.0	%	13.7	9.3	15.9	18.2	24.4
EG005(ED093)T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	6	<5	7	7	11
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	<1	<1
Chromium	7440-47-3	2	mg/kg	37	20	29	32	46
Copper	7440-50-8	5	mg/kg	24	21	26	32	24
Lead	7439-92-1	5	mg/kg	37	70	88	85	97
Nickel	7440-02-0	2	mg/kg	98	49	68	66	21
Zinc	7440-66-6	5	mg/kg	109	130	174	207	289
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	<0.1	0.2	0.1	<0.1
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Phenanthrene	85-01-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Anthracene	120-12-7	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Fluoranthene	206-44-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Pyrene	129-00-0	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)anthracene	56-55-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene	218-01-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene	50-32-8	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	<0.5	<0.5	<0.5	<0.5	<0.5
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	0.6	0.6	0.6	0.6	0.6
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	1.2	1.2	1.2	1.2	1.2
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	<10	<10	<10



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	1 0-0.2	2 0-0.2	3 0-0.2	4 0-0.2	5 0-0.2
Sampling date / time					29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30
Compound	CAS Number	LOR	Unit		EM2223866-001	EM2223866-002	EM2223866-003	EM2223866-004	EM2223866-005
					Result	Result	Result	Result	Result
EP080/071: Total Petroleum Hydrocarbons - Continued									
C10 - C14 Fraction	----	50	mg/kg		<50	<50	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg		310	120	<100	<100	900
C29 - C36 Fraction	----	100	mg/kg		<100	170	<100	<100	1180
^ C10 - C36 Fraction (sum)	----	50	mg/kg		310	290	<50	<50	2080
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg		<10	<10	<10	<10	<10
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg		<10	<10	<10	<10	<10
>C10 - C16 Fraction	----	50	mg/kg		90	<50	<50	<50	80
>C16 - C34 Fraction	----	100	mg/kg		330	260	110	130	1850
>C34 - C40 Fraction	----	100	mg/kg		<100	130	<100	<100	640
^ >C10 - C40 Fraction (sum)	----	50	mg/kg		420	390	110	130	2570
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg		90	<50	<50	<50	80
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
^ Sum of BTEX	----	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
^ Total Xylenes	----	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	91-20-3	1	mg/kg		<1	<1	<1	<1	<1
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%		84.2	84.4	84.5	91.5	83.0
2-Chlorophenol-D4	93951-73-6	0.5	%		103	104	103	112	102
2,4,6-Tribromophenol	118-79-6	0.5	%		75.7	77.1	74.8	84.0	84.2
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%		88.5	90.2	88.9	96.8	88.5
Anthracene-d10	1719-06-8	0.5	%		97.6	97.5	97.6	105	95.9
4-Terphenyl-d14	1718-51-0	0.5	%		95.1	95.7	94.7	103	94.2
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.2	%		86.9	89.4	81.7	83.6	70.3
Toluene-D8	2037-26-5	0.2	%		81.2	76.6	72.4	73.9	62.4



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	1 0-0.2	2 0-0.2	3 0-0.2	4 0-0.2	5 0-0.2
Sampling date / time					29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30
Compound	CAS Number	LOR	Unit		EM2223866-001	EM2223866-002	EM2223866-003	EM2223866-004	EM2223866-005
					Result	Result	Result	Result	Result
EP080S: TPH(V)/BTEX Surrogates - Continued									
4-Bromofluorobenzene	460-00-4	0.2	%		89.0	88.6	83.7	83.6	69.9



Analytical Results

Sub-Matrix: SOIL
 (Matrix: SOIL)

Sample ID

				6 0-0.2	7 0-0.2	8 0-0.2	1 0.5	2 0.5
Sampling date / time				29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30
Compound	CAS Number	LOR	Unit	EM2223866-006	EM2223866-007	EM2223866-008	EM2223866-009	EM2223866-010
				Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)								
Moisture Content	----	1.0	%	23.1	20.4	18.2	19.3	20.2
EG005(ED093)T: Total Metals by ICP-AES								
Arsenic	7440-38-2	5	mg/kg	10	9	10	----	----
Cadmium	7440-43-9	1	mg/kg	<1	<1	<1	----	----
Chromium	7440-47-3	2	mg/kg	46	45	39	----	----
Copper	7440-50-8	5	mg/kg	13	29	15	----	----
Lead	7439-92-1	5	mg/kg	77	108	32	76	40
Nickel	7440-02-0	2	mg/kg	18	71	33	----	----
Zinc	7440-66-6	5	mg/kg	842	565	194	----	----
EG035T: Total Recoverable Mercury by FIMS								
Mercury	7439-97-6	0.1	mg/kg	<0.1	0.1	<0.1	----	----
EP075(SIM)B: Polynuclear Aromatic Hydrocarbons								
Naphthalene	91-20-3	0.5	mg/kg	<0.5	<0.5	<0.5	----	----
Acenaphthylene	208-96-8	0.5	mg/kg	<0.5	<0.5	<0.5	----	----
Acenaphthene	83-32-9	0.5	mg/kg	<0.5	<0.5	<0.5	----	----
Fluorene	86-73-7	0.5	mg/kg	<0.5	<0.5	<0.5	----	----
Phenanthrene	85-01-8	0.5	mg/kg	2.0	<0.5	<0.5	----	----
Anthracene	120-12-7	0.5	mg/kg	0.6	<0.5	<0.5	----	----
Fluoranthene	206-44-0	0.5	mg/kg	2.6	<0.5	<0.5	----	----
Pyrene	129-00-0	0.5	mg/kg	2.2	<0.5	<0.5	----	----
Benzo(a)anthracene	56-55-3	0.5	mg/kg	1.1	<0.5	<0.5	----	----
Chrysene	218-01-9	0.5	mg/kg	0.9	<0.5	<0.5	----	----
Benzo(b+j)fluoranthene	205-99-2 205-82-3	0.5	mg/kg	1.1	<0.5	<0.5	----	----
Benzo(k)fluoranthene	207-08-9	0.5	mg/kg	<0.5	<0.5	<0.5	----	----
Benzo(a)pyrene	50-32-8	0.5	mg/kg	1.0	<0.5	<0.5	----	----
Indeno(1.2.3.cd)pyrene	193-39-5	0.5	mg/kg	<0.5	<0.5	<0.5	----	----
Dibenz(a.h)anthracene	53-70-3	0.5	mg/kg	<0.5	<0.5	<0.5	----	----
Benzo(g.h.i)perylene	191-24-2	0.5	mg/kg	<0.5	<0.5	<0.5	----	----
^ Sum of polycyclic aromatic hydrocarbons	----	0.5	mg/kg	11.5	<0.5	<0.5	----	----
^ Benzo(a)pyrene TEQ (zero)	----	0.5	mg/kg	1.2	<0.5	<0.5	----	----
^ Benzo(a)pyrene TEQ (half LOR)	----	0.5	mg/kg	1.5	0.6	0.6	----	----
^ Benzo(a)pyrene TEQ (LOR)	----	0.5	mg/kg	1.8	1.2	1.2	----	----
EP080/071: Total Petroleum Hydrocarbons								
C6 - C9 Fraction	----	10	mg/kg	<10	<10	<10	<10	<10



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	6 0-0.2	7 0-0.2	8 0-0.2	1 0.5	2 0.5
Sampling date / time					29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30
Compound	CAS Number	LOR	Unit		EM2223866-006	EM2223866-007	EM2223866-008	EM2223866-009	EM2223866-010
					Result	Result	Result	Result	Result
EP080/071: Total Petroleum Hydrocarbons - Continued									
C10 - C14 Fraction	----	50	mg/kg		<50	<50	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg		160	<100	<100	<100	<100
C29 - C36 Fraction	----	100	mg/kg		<100	110	<100	<100	120
^ C10 - C36 Fraction (sum)	----	50	mg/kg		160	110	<50	<50	120
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg		<10	<10	<10	<10	<10
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg		<10	<10	<10	<10	<10
>C10 - C16 Fraction	----	50	mg/kg		<50	<50	<50	<50	<50
>C16 - C34 Fraction	----	100	mg/kg		220	160	100	120	180
>C34 - C40 Fraction	----	100	mg/kg		<100	<100	<100	<100	<100
^ >C10 - C40 Fraction (sum)	----	50	mg/kg		220	160	100	120	180
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg		<50	<50	<50	<50	<50
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
^ Sum of BTEX	----	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
^ Total Xylenes	----	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	91-20-3	1	mg/kg		<1	<1	<1	<1	<1
EP075(SIM)S: Phenolic Compound Surrogates									
Phenol-d6	13127-88-3	0.5	%		97.5	85.2	79.9	----	----
2-Chlorophenol-D4	93951-73-6	0.5	%		114	104	97.6	----	----
2,4,6-Tribromophenol	118-79-6	0.5	%		77.4	78.5	70.4	----	----
EP075(SIM)T: PAH Surrogates									
2-Fluorobiphenyl	321-60-8	0.5	%		89.9	89.8	85.9	----	----
Anthracene-d10	1719-06-8	0.5	%		94.1	97.7	94.0	----	----
4-Terphenyl-d14	1718-51-0	0.5	%		91.2	95.2	91.5	----	----
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.2	%		83.9	84.4	86.2	84.0	85.5
Toluene-D8	2037-26-5	0.2	%		76.8	74.1	74.4	75.8	78.0



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	6 0-0.2	7 0-0.2	8 0-0.2	1 0.5	2 0.5
Sampling date / time					29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30
Compound	CAS Number	LOR	Unit		EM2223866-006	EM2223866-007	EM2223866-008	EM2223866-009	EM2223866-010
					Result	Result	Result	Result	Result
EP080S: TPH(V)/BTEX Surrogates - Continued									
4-Bromofluorobenzene	460-00-4	0.2	%		87.9	85.0	87.5	86.4	91.6



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	3 0.5	4 0.5	5 0.5	6 0.5	7 0.5
Sampling date / time					29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30
Compound	CAS Number	LOR	Unit		EM2223866-011	EM2223866-012	EM2223866-013	EM2223866-014	EM2223866-015
					Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	1.0	%		16.6	17.5	22.9	19.9	22.3
EG005(ED093)T: Total Metals by ICP-AES									
Lead	7439-92-1	5	mg/kg		169	62	11	6	54
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	10	mg/kg		<10	<10	<10	<10	<10
C10 - C14 Fraction	----	50	mg/kg		<50	<50	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg		<100	<100	<100	210	<100
C29 - C36 Fraction	----	100	mg/kg		<100	<100	<100	<100	<100
^ C10 - C36 Fraction (sum)	----	50	mg/kg		<50	<50	<50	210	<50
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg		<10	<10	<10	<10	<10
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg		<10	<10	<10	<10	<10
>C10 - C16 Fraction	----	50	mg/kg		<50	<50	<50	<50	<50
>C16 - C34 Fraction	----	100	mg/kg		<100	120	130	200	<100
>C34 - C40 Fraction	----	100	mg/kg		<100	<100	<100	<100	<100
^ >C10 - C40 Fraction (sum)	----	50	mg/kg		<50	120	130	200	<50
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg		<50	<50	<50	<50	<50
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
^ Sum of BTEX	----	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
^ Total Xylenes	----	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	91-20-3	1	mg/kg		<1	<1	<1	<1	<1
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.2	%		80.3	83.6	76.4	77.8	78.7
Toluene-D8	2037-26-5	0.2	%		72.7	73.4	69.5	72.8	72.4
4-Bromofluorobenzene	460-00-4	0.2	%		81.9	83.6	80.2	83.9	81.8



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	8 0.5	1 1.0	2 1.0	3 1.0	4 1.0
Sampling date / time					29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30
Compound	CAS Number	LOR	Unit		EM2223866-016	EM2223866-017	EM2223866-018	EM2223866-019	EM2223866-020
					Result	Result	Result	Result	Result
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	1.0	%		19.0	17.7	17.9	14.5	17.6
EG005(ED093)T: Total Metals by ICP-AES									
Lead	7439-92-1	5	mg/kg		9	33	22	101	13
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	10	mg/kg		<10	<10	<10	<10	<10
C10 - C14 Fraction	----	50	mg/kg		<50	<50	<50	<50	<50
C15 - C28 Fraction	----	100	mg/kg		<100	<100	<100	<100	<100
C29 - C36 Fraction	----	100	mg/kg		<100	<100	<100	<100	<100
^ C10 - C36 Fraction (sum)	----	50	mg/kg		<50	<50	<50	<50	<50
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg		<10	<10	<10	<10	<10
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg		<10	<10	<10	<10	<10
>C10 - C16 Fraction	----	50	mg/kg		<50	<50	<50	<50	<50
>C16 - C34 Fraction	----	100	mg/kg		<100	<100	<100	<100	<100
>C34 - C40 Fraction	----	100	mg/kg		<100	<100	<100	<100	<100
^ >C10 - C40 Fraction (sum)	----	50	mg/kg		<50	<50	<50	<50	<50
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg		<50	<50	<50	<50	<50
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
Toluene	108-88-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
^ Sum of BTEX	----	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	<0.2
^ Total Xylenes	----	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	<0.5
Naphthalene	91-20-3	1	mg/kg		<1	<1	<1	<1	<1
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.2	%		75.2	106	82.5	81.9	78.8
Toluene-D8	2037-26-5	0.2	%		70.2	99.6	69.9	74.2	70.9
4-Bromofluorobenzene	460-00-4	0.2	%		81.0	108	80.8	85.3	79.6



Analytical Results

Sub-Matrix: SOIL (Matrix: SOIL)				Sample ID	5 1.0	6 1.0	7 1.0	8 1.0	----
Sampling date / time					29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	29-Nov-2022 12:30	----
Compound	CAS Number	LOR	Unit		EM2223866-021	EM2223866-022	EM2223866-023	EM2223866-024	-----
				Result	Result	Result	Result	Result	----
EA055: Moisture Content (Dried @ 105-110°C)									
Moisture Content	----	1.0	%		18.8	11.9	16.0	13.1	----
EG005(ED093)T: Total Metals by ICP-AES									
Lead	7439-92-1	5	mg/kg		10	<5	8	<5	----
EP080/071: Total Petroleum Hydrocarbons									
C6 - C9 Fraction	----	10	mg/kg		<10	<10	<10	<10	----
C10 - C14 Fraction	----	50	mg/kg		<50	<50	<50	<50	----
C15 - C28 Fraction	----	100	mg/kg		<100	150	<100	<100	----
C29 - C36 Fraction	----	100	mg/kg		<100	<100	<100	<100	----
^ C10 - C36 Fraction (sum)	----	50	mg/kg		<50	150	<50	<50	----
EP080/071: Total Recoverable Hydrocarbons - NEPM 2013 Fractions									
C6 - C10 Fraction	C6_C10	10	mg/kg		<10	<10	<10	<10	----
^ C6 - C10 Fraction minus BTEX (F1)	C6_C10-BTEX	10	mg/kg		<10	<10	<10	<10	----
>C10 - C16 Fraction	----	50	mg/kg		<50	<50	<50	<50	----
>C16 - C34 Fraction	----	100	mg/kg		<100	130	<100	<100	----
>C34 - C40 Fraction	----	100	mg/kg		<100	<100	<100	<100	----
^ >C10 - C40 Fraction (sum)	----	50	mg/kg		<50	130	<50	<50	----
^ >C10 - C16 Fraction minus Naphthalene (F2)	----	50	mg/kg		<50	<50	<50	<50	----
EP080: BTEXN									
Benzene	71-43-2	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	----
Toluene	108-88-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	----
Ethylbenzene	100-41-4	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	----
meta- & para-Xylene	108-38-3 106-42-3	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	----
ortho-Xylene	95-47-6	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	----
^ Sum of BTEX	----	0.2	mg/kg		<0.2	<0.2	<0.2	<0.2	----
^ Total Xylenes	----	0.5	mg/kg		<0.5	<0.5	<0.5	<0.5	----
Naphthalene	91-20-3	1	mg/kg		<1	<1	<1	<1	----
EP080S: TPH(V)/BTEX Surrogates									
1,2-Dichloroethane-D4	17060-07-0	0.2	%		82.2	85.4	77.2	83.9	----
Toluene-D8	2037-26-5	0.2	%		79.8	77.6	71.6	76.2	----
4-Bromofluorobenzene	460-00-4	0.2	%		90.1	89.0	78.9	84.5	----



Surrogate Control Limits

Sub-Matrix: SOIL		Recovery Limits (%)	
Compound	CAS Number	Low	High
EP075(SIM)S: Phenolic Compound Surrogates			
Phenol-d6	13127-88-3	54	125
2-Chlorophenol-D4	93951-73-6	65	123
2,4,6-Tribromophenol	118-79-6	34	122
EP075(SIM)T: PAH Surrogates			
2-Fluorobiphenyl	321-60-8	61	125
Anthracene-d10	1719-06-8	62	130
4-Terphenyl-d14	1718-51-0	67	133
EP080S: TPH(V)/BTEX Surrogates			
1,2-Dichloroethane-D4	17060-07-0	51	125
Toluene-D8	2037-26-5	55	125
4-Bromofluorobenzene	460-00-4	56	124

25/04/2026

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Re: Statement of Validity re 5 Albert St Port Fairy Soil Test Report December 2022.

Background

Tutt Environmental completed soil testing at 5 Albert St Port Fairy in December 2022. The testing was commissioned by [REDACTED] to investigate soil quality / contamination status given the sites historical use.

Validity in 2026

Unless the site has been exposed to new risk of contamination, i.e. used to store waste, used as for activities that create risk, i.e. civil machinery works depot, etc. etc...i.e. if the site has not changed since the time of investigation and report, there is no obvious or compelling reason to raise concern of the contamination status of the site and thus the validity of the previous report.

Note

No assessment of land use between December 2022 and the present was conducted as part of this statement.

Regards,

[REDACTED]

[REDACTED]

[REDACTED]