Appendix 2

Resource Consent Application
Including: Record of Title and Engineer's Report



 From:
 Assistant

 To:
 info

 Cc:
 Gareth Moran

Subject: External Sender: Resource Consent Application for 109 Taylor Street, Cambridge

Date: Friday, 26 February 2021 11:50:59 am

Attachments: <u>image001.png</u>

AEE - 109 Taylor Street Cambridge Final.pdf Form 9 - Resource Consent Application.pdf

CYBER SECURITY WARNING: This email is from an external source - be careful of attachments and links. Please follow the Cybersecurity Policy and report suspicious emails to Servicedesk

Hi there,

Please find attached resource consent application on behalf of Warren and Wendy Hodges for a concurrent land use and subdivision consent to construct 5 terraced houses at 109 Taylor Street, Cambridge.

Included in this application is an assessment of environmental effects, the application form, followed by the following information that can be accessed via the link below:

Appendix 1: Record of Title

Appendix 2: Site Plan

Appendix 3: Subdivision Scheme Plan

Appendix 4: Engineering Assessment and Design Report

Appendix 5: District Plan Rules Assessment

Appendix 6: Assessment Criteria

OneDrive Link: https://barkernz-my.sharepoint.com/:f:/g/personal/assistant_barker_co_nz/Ej_2-nSpeuxKrePXP7YvAkUB6UeDEuzRvaxM7v-9svVUWQ?e=6H4hkZ

Should you need any further information please contact Gareth Moran in the first instance either by email, garethm@barker.co.nz, or phone 021 745 979

As per the application form, all invoices should be made out to the applicant.

Ngā mihi | Kind regards,

Anna Wingham Planning Assistant



Urban & Environmental M 021 028 66023 T 09 375 0900

Kerikeri | Whangarei | Warkworth | Auckland | Hamilton | Napier | Christchurch

barker.co.nz

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Resource Consent Application Form

Section 88 of the Resource Management Act 1991 (RMA). This form provides us with your contact information and details about your proposal. Please print clearly and complete all sections.

Note to Applicant:

You must include all information required by this form. The information must be specified in sufficient detail to satisfy the purpose for which it is required. To: Name of Council that is the consent authority for this application: Select a Council Type of resource consent being applied for: ☐ Land use ■ Subdivision ✓ Combined land use and subdivision **Activity Status** ☐ Controlled ☐ Restricted Discretionary Discretionary ✓ Non-complying ☐ I don't know **Fast Track Resource Consent** The Resource Management Act 1991 provides for land use activities that have a controlled activity status to be fast tracked through the resource consent process and processed within 10 working days of the application being lodged with Council. Your consent may be fast tracked if you tick 'yes' to the first two questions below. 1. Is this application for a controlled activity (land use consent only)? ✓ No Yes 2. Have you provided an electronic address for this service? ☐ Yes ☐ No If you wish to opt out of the fast track process, tick here: **Applicant Name** Please provide the full name of the persons, company, society or trust applying for this resource consent. If the applicant is a trust, please provide the full name/s of all trustees of that trust.



Name:













Wendy Hodges and Warren Hodges





Applicant Contact Details

Postal Address:	c/o - Gareth Moran (agent)				
Post code:		Email:	c/o - Gareth Moran (agent)		
Phone:	c/o - Gareth Moran (agent)	Mobile:			
Agent Contact	Details				
If you have an ag	gent or other person acting on your behalf, please	complete the d	etails below.		
Agent:	Gareth Moran				
Contact:	021 745 979				
Postal Address:	PO Box 9342, Waikato Mail Centre,	Hamilton			
Post code:	3240	Email:	garethm@barker.co.nz		
Phone:	021745979 (Agent- Gareth Moran)	Mobile:			
Location of Pro	posal				
	with as much detail as you can, so the site for you number, street name and town.	ır proposal is cle	early identifiable. Include details such as unit		
Property addres	s:				
109 Taylor	109 Taylor Street, Cambridge				
Legal descriptio	n:				
Lot 2 DPS 9	47 comprised under Record of Title SA6	62D/729			

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Owner/Occupier of Site Landowner's full name, phone number and address: OR Same as applicant details Occupiers full name, phone number and address: OR Same as applicant details **Description of Proposal** Please provide a brief description of the proposal and the reasons why resource consent is required ie which rules in the district plan are infringed. If the space provided is insufficient, please attach additional pages. A concurrent land use and freehold subdivision under the auspices of a 'compact housing' development to construct 5 terraced houses and associated titles. Please refer to the application materical for further information.

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Other C	Consents			
		nat you have applied for or know that e required from a regional council und		or related to this application. Thi
☐ Oth	er resource consents	Resource consent no. (if known)		
☐ Buil	lding consent	Building consent no. (if known)		
□ Reg	ional plan consent	Type of regional consent: e.g. water discharge permit, water intake permit		
Nationa	al Environmental Standards (NES)	*		
		nder a National Environmental Standang to certain matters eg management		
ls cons	ent required under a NES?	✓ Yes	□ No	☐ I don't know
Tick the	following applicable NES:			
	NES for Air Quality			
	NES for Drinking Water			
	NES for Telecommunication Service	ces		
	NES for Electricity Transmission Se	ervices		
✓	NES for Assessing and Managing C	Contaminants in Soil to Protect Human	n Health	
	NES for Plantation Forestry			
	Other			

Assessment of Proposal

^{*} For further information about National Environmental Standards, their requirements and forms please refer to any other sheets provided with these application forms.

Please attach an assessment of your proposal's effects on the environment, an assessment against the relevant matters of Part 2 of the RMA and any relevant provisions of NES, regulations, national policy statement, regional policy statement, regional plan and district plan.

Please refer to the AEE for more information.		
Pre-application Information		
We recommend that you have a pre-application discussion about your proposal with	a Council planner.	
Have you had a pre-application meeting with a Council planner?	☐ Yes	☑ No
Have you had any other conversations with any other Council staff?	☐ Yes	□ w₀
Date of meeting:		
Please provide the names of Council staff you have spoken with:		
N/A		
If notes of the meeting or other conversations were provided to you, please attach co	ppies.	
Have you attached any minutes/notes from the meeting?	☐ Yes	☑ No
Notification		
The Resource Management Act 1991 allows applications to be notified for public subr	missions on request o	f the applicant.
Are you requesting that your application be publicly notified?	☐ Yes	☑ No
If you selected 'yes' to the above question, please attach a short summary outlining the	he details of your app	lication.
Have you attached a summary?	☐ Yes	□ No

Site V	isit Requirements			
✓	As landowner and with the consent of any occupiers or lessee, I am aware t visit the site which is the subject of this application, for the purposes of asso			
OR				
	If the applicant is not the owner, I understand that Council staff or authoris subject of this application, for the purposes of assessing this application, an			is the
Is the	ere a locked gate or security system restricting access by Council staff?	☑ Yes	□ No	
Are t	here any dogs on the property?	☐ Yes	□ No	
Are t	here any hazards that may place a visitor at risk?	☐ Yes	☑ No	
Provid	le details of any entry restrictions that Council staff should be aware of e.g. healt	h and safety, orga	nic farm etc.	
Draft	Conditions			
When	a consent is granted, Council can include conditions to manage any adverse effe	ects.		
-	ou wish to see draft conditions prior to Council making a decision on the cation?	∠ Yes	□ No	
✓	By ticking this box, I understand that the opportunity to review the draft condintended to assist with identifying errors before consent is granted. I further continue processing the application if too much time is taken in the review of conditions I agree to an extension of time under section 37 of the RMA.	understand that C	ouncil has the right to	
Signat	ture of the applicant(s)			
Please	read the information below before signing the application form.			

Payment of fees and charges

You must pay the charges payable to Council for this application under the RMA. Please refer to Council's Fees and Charges on its website.

By submitting this application to Council, you agree to pay the charges set out in Council's Fees and Charges relevant to the application.

Privacy information

Council requires the information you have provided on this form to process your application under the RMA. Council will hold and store the information on a pubic register. The details may also be made available to the public on the Council's website. If you would like to request access to, or correction of any details, please contact the Council.

Information checklist

The information checklist provided with this form sets out the full set of information that Council requires for your application to be considered complete. Your application may be returned as incomplete if you do not provide adequate information. Your completed application should be submitted to Council with any supplementary forms and/or guidance as provided by Council.

Correspondence and	Correspondence and Invoices						
Please let us know where to send any correspondence and invoices. Where possible any correspondence will be sent by email.							
All correspondence e	excluding invoices sent to:		☐ Applicant	or	☑ Agent		
All invoices sent to:			✓ Applicant	or	☐ Agent		
Confirmation by the	applicant						
	m that I/we have read and understood the sound in the sound if you submit this form elect.		and will compl	y with	our obliga	tions as	set out above. A
Applicant name:		Signature:				Date:	
Applicant name:		Signature:				Date:	
Applicant name:		Signature:				Date:	
Confirmation by the	agent authorised to sign on behalf of the	ne applicant					
informed the applican	or the applicant, I confirm that I have read at of their obligations in connection with the ity to sign this application on their behalf.	is application,	including for f	ees ar	nd other ch	arges, a	nd that I have
Agent's full name:	Gareth Moran	Signature:				Date:	26/02/2021
Information Checklis	Information Checklist for Resource Consent Application						
All applications must	include the following information:						
A description	A description of the activity						
A description	A description of the site where the activity will occur						
The full name and address of each owner or occupier of the site							

 \checkmark

A description of any other activities that are part of the proposal to which this application relates

 \checkmark

A description of any other resource consent required for the proposal to which the application relates

 \checkmark

An assessment of the proposed activity's effects on the environment

 $\sqrt{}$

An assessment of the activity against Part 2 of the Resource Management Act 1991. This will need to address section 5 'Purpose', section 6 'Matters of national importance', section 7 'Other matters' and section 8 "Treaty of Waitangi'

 \checkmark

An assessment of the activity against any relevant objectives, policies or rules in the district plan

 \checkmark

An assessment of the activity against any relevant requirements, condition or permissions in any rules in a document listed in section 104(1)(b) of the RMA



Record of title(s) for the subject site

This must be less than 3 months old. Please attach the title(s) and any consent notices, covenants, easements attached to the title(s)



Site plan or scheme plan

Please provide at an appropriate scale (for example 1:100) showing the location of the building or activity in relation to all site boundaries. The site plan should include the following where relevant:

- North point
- Title or Reference No.
- Scale
- Date the plans were drawn
- Topographical information
- Natural features, including protected trees, indigenous vegetation, water courses
- Archaeological and/or cultural/heritage sites
- Record of Title boundaries/location of fence positions relative to boundaries
- Accessways and road frontages, including proposed crossing places/right of ways
- Onsite manoeuvring and existing and proposed car parking spaces
- Legal and physical roads
- Existing buildings
- Existing wells and/or effluent disposal systems
- Buildings on adjacent sites
- Layout and location of proposed buildings and activities in relation to legal site boundaries
- Earthworks design and contours/areas of excavation
- Landscaping
- Site coverage calculation
- Details of any signage (sign design, dimensions and location on buildings)
- Areas subject to hazards e.g. unstable slopes, areas of flooding, peat soils or fill
- Areas of potential or confirmed contamination



Elevation plans

Please provide at an appropriate scale (for example 1:50, 1:100 or 1:200) and show all structures to be constructed or altered, showing the relationship and appearance of proposed buildings.



Floor plans of proposed building or buildings to be used for the activity





Engineering design plans for any water, wastewater and stormwater works

(Only concept engineering plans are required at this stage.)



An assessment of the activity against any relevant provisions of a:

- National Environmental Standard
- National Policy Statement
- Regional Policy Statement
- Regional Plan

\checkmark	A description of any part of the activity that is permitted under the district plan
✓	If a permitted activity is part of the proposal to which the application relates, a description of the permitted activity that demonstrates it complies with the relevant requirements and conditions for that permitted activity (so that resource consent not required for that activity).
\checkmark	An assessment of effects (AEE) of the activity
	An AEE is an essential part of your application. If an AEE is not provided Council is unlikely to accept your application. The AEE should discuss all the actual and potential effects of your proposed activity on the environment. Schedule 4 of the RMA outlines all of the matters that must be addressed in your AEE. The amount of detail provided must reflect the scale and significance of the effects that the activity may have on the environment. For example, if there are major effects arising from the proposal, a detailed analysis and discussion of these effects must be included in the AEE. It may require the provision of information from specific experts (eg a traffic engineer). If the effects of the proposal are minor, then a less detailed AEE can be submitted. (The Council has information available to assist you to prepare the AEE – please contact us if you have any questions.)
All appl	lications for subdivision consent <u>must also</u> include the following information:
	The position of all new boundaries
	A north arrow and the scale (1:2000)
	All proposed and existing easements (including private easements)
	Any amalgamations
	Stages (if proposed)
	Dimensions and sizes of existing and proposed new lots
	Legal and physical roads, accessways and rights of way including grades (if applicable)
	All existing buildings and structures, their distance to existing and proposed boundaries and the position of any eaves in relation to rights of way/accessways
	The areas of all new allotments, unless the subdivision involves a cross lease, company lease, or unit plan
	The locations and areas of new reserves to be created, including any esplanade reserves and esplanade strips
	The locations and areas of any existing esplanade reserves, esplanade strips, and access strips
	The locations and areas of any part of the bed of a river or lake to be vested in a territorial authority under section 237A
	The locations and areas of any land within the coastal marine area (which is to become part of the common marine and coastal area under section 237A)
	The locations and areas of land to be set aside as new roads
Other (useful information
#b - C-11	

The following examples of information are not compulsory, but they will be useful in helping Council make an informed decision about your application. Submitting this information *if it is relevant to your proposal* may save time and costs further down the track.

Locality plan or aerial photo
Please provide at an appropriate scale (for example 1:500). Please indicate the location of the site in relation to roads and other landmarks. Show the street number of the subject site and those of adjoining sites.
Volume of any earthworks

This must include area and volume of soil removed/imported and depth of cut/fill

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	Details of Hazardous Activities and Industries (HAIL) List activity
	If you are unsure whether your site is on the HAIL list please contact Council for assistance
	Any written approvals including details of those sought but not obtained
	Please include any signed written approval forms and signed plans if acquired.
	Specialist reports to support your application
	This may include traffic impact studies, landscape and planting plans, acoustic design certificates etc.
	Details and outcome of any consultation undertaken with adjacent land owners and occupiers, and relevant bodies. For example, the Regional Council, Heritage New Zealand Pouhere Taonga, Transpower, KiwiRail, NZTA, Department of Conservation etc.
	Details of any consultation undertaken with iwi
	If you are unsure whether your proposal may affect matters of interest to iwi, or who the relevant iwi groups might be, please discuss this with Council prior to lodging your application
	Any other information arising from specific district plan provisions
Other i	nformation to include in an application for subdivision consent if it is relevant to your proposal
Proposa	al details
	Cita coverage coloridations
	Site coverage calculations
	Existing and proposed crossing places and sight distances and separation distances between crossing places
	Building platforms for all allotments including shape factors
	Onsite manoeuvring and existing and proposed vehicle parking spaces (where required)
Networ	k utility operations
	Existing high voltage electricity lines and gas lines
	Location of existing and proposed service connections (including connections to reticulated services) and/or systems ie water, wastewater, stormwater and any easements
	Onsite effluent treatment and disposal areas and fields
Natural	features
	Significant trees, bush stands, protected trees (including their extent of their dripline), covenanted areas or other features
	Water bodies
Heritage	e e
	Archaeological and/or cultural heritage sites
Hazards	ş-
	Areas of likely or confirmed contamination

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Areas subject to land hazards e.g. unstoppable slopes, areas of flooding, peat soils, fill
Details of proposed stormwater management appropriate to the scale and nature of the subdivision
Pipework and onsite stormwater systems
Open drains (including ownership)
Effect of subdivision and end use on existing overland flow paths
Contours showing existing and finished ground level (levels to the relevant datum) at 0.5m intervals within the subdivision, and at 2 metre intervals on adjoining properties (to enable effects on those properties to be assessed). A separate plan mabe needed to show these details.
Areas of proposed or existing fill or excavation
Any proposed retaining walls or embankments (note if retaining wall over 1m is proposed, a typical cross section is required.)
In urban areas, details of the percentage of proposed and existing impermeable and permeable areas
Natural hazards, e.g. unstable slopes, areas of flooding, ponding, peat soils
Elevations (to scale) of buildings which are affected by the location of new boundaries (e.g. where height in relation to boundary rules apply)



TERRACED HOUSING DEVELOPMENT

109 TAYLOR STREET, **CAMBRIDGE**

ASSESSMENT OF ENVIRONMENTAL EFFECTS AND STATUTORY ANALYSIS

PREPARED FOR:

WENDY & WARREN HODGES

B&A **Urban & Environmental**

26-Feb-2021



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APPENDICES:

Appendix 1: Record of Title

Appendix 2: Site Plan

Appendix 3: Subdivision Scheme Plan

Appendix 4: Engineering Assessment and Design Report

Appendix 5: District Plan Rules Assessment

Appendix 6: Assessment Criteria



THE APPLICANT AND PROPERTY DETAILS

To: Waipa District Council

Site Address: 109 Taylor Street, Cambridge

Applicant's Name: Wendy & Warren Hodges

Address for Service: Barker & Associates Ltd

PO Box 9342

Waikato Mail Centre Hamilton 3240

Attention: Gareth Moran

Legal Description: Lot 2 DPS 947 comprised under Record of Title

SA62D/729

Site Owner: Hodges Projects Limited

Operative District Plan: Waipa District Plan

Operative Zoning: Residential Zone

Policy Overlays: Compact Housing Area

Locality Diagram: Refer to Figure 1

Subject Site Area: 1012m²

Brief Description of Proposal: Concurrent land-use and subdivision consent to

construct a terraced housing development and create five separate fee simple titles at 109

Taylor Street, Cambridge.

Summary of Reasons for Consent: Resource consent required as a **Non-Complying**

Activity

We attach an assessment of environmental effects that corresponds with the scale and significance of the effects that the proposed activity may have on the environment.

AUTHOR

Gareth Moran

Associate

Barker & Associates Ltd

Date: February 2021

Reviewed By – Fraser McNutt

Associate

Barker & Associates Ltd



1.0 INTRODUCTION

1.1 OVERVIEW

This report has been prepared in support of a resource consent application on behalf of Wendy & Warren Hodges for a concurrent landuse and freehold subdivision consent to create a terraced housing development consisting of five individual dwellings under the auspices of the 'compact housing' provisions of the Waipa District Plan (District Plan), at 109 Taylor Street, Cambridge.

The site is zoned Residential and is within the Compact Housing Area under the provisions of the District Plan.

Although the development fails to comply with the minimum required area for compact housing (2000m²), given the site is located directly across the road from the Cambridge Green Belt and is located within a Compact Housing overlay, there is strong policy support in the District Plan for development of this nature. Resource consent has therefore been applied for on this basis.

Given the associated non-compliance with minimum lot area, the development has been assessed as a Non-Complying Activity.

This Assessment of Environmental Effects (AEE) has been prepared in accordance with the requirements of Section 88 and Schedule 4 of the Resource Management Act 1991 (the Act) and is intended to provide the information necessary for a full understanding of the activity for which consent is sought and any actual or potential effects the proposal may have on the environment.



2.0 SITE CONTEXT

2.1 SITE DESCRIPTION

The subject site (site) comprises of one Record of Title, Lot 2 DPS 947 and has a total area of 1012m². An aerial photograph of the site is identified in Figure 1 (below).



Figure 1: Aerial photograph of the subject site

The site is located in the Residential Zone and falls within a Compact Housing Area Overlay (Figure 2). There is currently one residential dwelling and accessory building located on site which will be removed/demolished as a result of this proposal.

The site has an existing vehicle access connecting with Taylor Street at the north-western corner of the site. The surrounding environment consists of residential dwellings to the East, South and West and a Reserve Zone to the North directly adjacent to the site on the opposite side of Taylor Street.



Figure 2: District Planning maps identifying the Compact Housing Area overlay



2.1.1 Record of Title

The site contains the following records of title:

Lot 2 DPS 947 comprised under Record of Title SA62D/729

There are no interests registered on the title that could restrict the proposal from proceeding. Refer to **Appendix 1** for a copy of the Record of Title.

3.0 PROPOSAL

The proposal is for a concurrent landuse and free-hold subdivision under the auspices of a 'compact housing' development (by virtue of the associated District Plan definition) to construct five 'terraced houses' and associated titles.

Throughout the design phase of the project, it was the applicant's intention to create a development that would actively enhance both the current and future amenity values attributed to the area. On this basis Christopher Beer of Christopher Beer Architect Limited, who is a local Architect was engaged to bring the applicants vision into a reality.

In doing so, along with our guidance, Mr Beer was able to create a unique housing development which minimised non-compliance with District Plan provisions, avoided potential effects on neighbouring properties whilst enhancing the amenity values of the area. These points form the nucleus of our application for resource consent and are discussed in depth in later sections of this report.

Although the development fails to comply with the minimum required area for compact housing (2000m²), given the site is located directly across the road from the Cambridge Green Belt and is located within a Compact Housing overlay, there is very strong policy support in the District Plan for development of this nature. Resource consent has therefore been applied for on this basis.

The intricacies of the development are outlined in the below table. A copy of the proposed scheme plan is identified in **Figure 3** (below).

Dwelling	Lot Size	Details
1	189m²	Lot 1 will accommodate an 84m² footprint, two level, three-bedroom dwelling, which is the northern most dwelling and has road frontage to Taylor Street. Vehicular access to the site will be via a new shared accessway (Lot 6). The dwelling has a Gross Floor Area (GFA) of 165m².
		The construction and subsequent landscaping results in the following site coverage and permeable surface percentages: • Site coverage = 39.8% • Permeable surface = 25.9%



		The 30m² outdoor living area will be positioned on the north-western side of the site and will be screened from Taylor Street by virtue of proposed landscaping and an architecturally designed low-level impermeable fence.
		The dwelling will contain internal garaging suitable for one car park, with a second car park being able to be stacked in front of the garage if necessary. Provision has been made to allow for on-site manoeuvring to ensure vehicles are able to exit the site in a forward direction.
2	132m ²	Lot 2 will accommodate a 76m ² footprint, two level, three-bedroom
		dwelling, which will have access to Taylor Street via a new shared
		accessway (Lot 6). The dwelling has a GFA of 150m ² .
		The construction and subsequent landscaping results in the following site coverage and permeable surface percentages:
		• Site coverage = 48%
		Permeable surface = 4.5%
		Two separate outdoor living areas will be provided on the eastern and western side of the dwelling. The outdoor living area on the east will be screened from the right of way by garden walls which will create a private internal courtyard.
		The dwelling will contain internal garaging suitable for one car park, with a second car park being able to be stacked in front of the garage if necessary. Provision has been made to allow for on-site manoeuvring to ensure vehicles are able to exit the site in a forward direction.
3	155m ²	Lot 3 will accommodate a 76m ² footprint, two level, three-bedroom dwelling, which will have access to Taylor Street via a new shared accessway (Lot 6). The dwelling has a GFA of 156m ² .
		The construction and subsequent landscaping results in the following site coverage and permeable surface percentages: • Site coverage = 42.6% • Permeable surface = 13.5%
		The 30m² outdoor living area will be positioned on the western side of the site accessible through the ground-floor living and dining area.
		The dwelling will contain internal garaging suitable for one car park, with a second car park being able to be stacked in front of the garage if necessary. Provision has been made to allow for on-site manoeuvring to ensure vehicles are able to exit the site in a forward direction.
4	141m ²	Lot 4 will accommodate a 67m² footprint, two level, two-bedroom
7	± (±111	dwelling, positioned directly south of Lots 1-3 and will therefore not



	ı	, , , , , , , , , , , , , , , , , , ,
		be visible from the streetscape. Vehicular access to the site will be from Taylor Street via a new shared accessway (Lot 6). The dwelling has a GFA of 117m ² .
		The construction and subsequent landscaping results in the following site coverage and permeable surface percentages: • Site coverage = 46.7% • Permeable surface = 12%
		The 34m² outdoor living area will be positioned on the north-western side of the site and will be screened from the vehicle access by garden walls which will create a private internal courtyard. The outdoor living area will be accessible through the ground floor living area.
		The dwelling will contain internal garaging suitable for one car park, with a second car park being able to be stacked in front of the garage if necessary. Provision has been made to allow for on-site manoeuvring to ensure vehicles are able to exit the site in a forward direction.
5	148m²	Lot 5 will accommodate a 67m ² footprint, two level, two-bedroom dwelling, which will have access to Taylor Street via a new shared accessway (Lot 6). The dwelling has a GFA of 125m ² .
		The construction and subsequent landscaping results in the following site coverage and permeable surface percentages: • Site coverage = 46.1% • Permeable surface = 13.5%
		The 40m² outdoor living area will be positioned on the north-eastern side of the site. The outdoor living area will be accessible through the ground-floor living area and will be screened from the vehicle access by virtue of garden walls which will create a private internal courtyard.
		The dwelling will contain internal garaging suitable for one car park, with a second car park being able to be stacked in front of the garage if necessary. Provision has been made to allow for on-site manoeuvring to ensure vehicles are able to exit the site in a forward direction.
6	247m ²	Proposed Lot 6 is the accessway for Lots 1-5 and is positioned along the eastern section of the site and has an entrance width of 4m. The width of the accessway at its narrowest point is 3.5m (at the western end of the access, north of dwelling 4) and at its widest point has a width of 4.4m.
		Lot 6 will be divided into one fifth shares between the five dwellings.





Figure 3: Scheme Plan

Transportation

Provision of legal vehicle access will be made via a shared right of way which will be divided into one fifth shares between the five dwellings. The accessway traverses down the eastern edge of the site and curves towards the west, positioned north of Lots 4 and 5. The accessway is of sufficient size to provide for on-site manoeuvring to allow vehicles to exit the site in a forward direction. Each dwelling is provided with one internal garage carpark and the option to stack one car park in front of the garage if necessary.

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Landscaping

The perimeters of the site will be planted in a mixture of species to ensure the development integrates with the surrounding environment as much as possible. Low garden walls have been provided on the road frontage to accentuate the openness of the development. Areas of high garden walls are prevalent throughout the development to create private courtyards, softening the boundary between neighbouring dwellings. The landscaping provided will soften boundaries and provide privacy to future occupiers, enhancing residential amenity onsite and when viewed from the streetscape. Should consent be approved, we would anticipate Council's Planner imposing consent conditions to ensure the ongoing maintenance of the designated landscaping areas.

Stormwater

In order to minimise impact of the proposed development on the surrounding environment it is imperative that post-development stormwater runoff be no greater than what is currently occurring on site. Two on-site stormwater soakage systems are proposed to be located in the north-eastern corner of the accessway and the southern portion of the accessway (directly north of lots 4 and 5). Further details of the proposed stormwater proposal system can be viewed in the Engineering Assessment and Design Report attached as **Appendix 4**

Wastewater

According to Waipa Council GIS, an existing 150mm wastewater main runs along the southern boundary on the adjacent lot. A new 150mm pipe connection will be required to service the dwellings. A manhole will need to be utilised as a collection point prior to discharge to the 150mm wastewater main.

<u>Water</u>

A 100mm water main runs parallel to Taylor Street. A 20mm metered connection services the existing dwelling, this branches off the 100mm water main. A fire hydrant is located approximately 20m north-east of the site. In order to service the development a 63mm DN50 rider main shall be branched off the principal water main and positioned in the right of way. All dwellings will require a service pipe with an individual manifold box. A flushing valve will need to be installed at the end of the rider main.

Telecommunication and Power

Additional power connection and telecommunication supply will be provided to service each lot.



4.0 DISTRICT PLAN RULES ASSESSMENT

The proposal has been assessed against the Residential Zone (Chapter 2) and Subdivision (Chapter 15) provisions of the Waipa District Plan (District Plan). A comprehensive assessment of the proposal against the relevant District Plan rules has been completed and is attached to this report as **Appendix 5**.

4.1 LAND USE

The District Plan defines Compact Housing as the following:

"means a housing DEVELOPMENT in which the design of BUILDINGS, their layout, access and relationship to one another has been planned in a comprehensive manner to achieve compatibility between all BUILDINGS on a SITE or SITES. This can include Papakāinga housing, terraces, duplexes, apartments and town houses, but excludes RETIREMENT VILLAGE ACCOMMODATION AND ASSOCIATED CARE FACILITIES

As the proposed house designs submitted as part of this development have been comprehensively designed to achieve compatibility between all buildings within the entirety of the development, in our opinion the proposal is best assessed as "Compact Housing" and thus *initially* assumes a **Restricted Discretionary Activity Status** by virtue of Rule 2.4.1.3 (b).

However, as we work through the District Plan provisions the following non-compliances are generated:

 Rule 2.4.2.43 Compact Housing. Compact housing shall have a minimum area of 2,000m²

The total site area is 1012m² which fails to comply with the minimum 2,000m² requirement. **Discretionary Activity.**

 Rule 2.4.2.43 Compact Housing (f). At least 30% of the net site area shall be made up of permeable surfaces.

The non-compliances for each lot are as follows

Lot 1 - 25.9%

Lot 2 - 4.5%

Lot 3 – 13.5%

Lot 4 - 12%

Lot 5 - 13.5%

Discretionary Activity.

Rule 2.4.2.43 Compact Housing (c) Where any dwelling is to be site within 10m
of another dwelling on the same site or parent title prior to subdivision, there

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shall be no direct line of site from the main living areas to the dwelling into the main living areas of another dwelling.

Dwellings 3 and 4 have a direct line of sight between living areas, with a separation distance of 9.7m.

Rule 2.4.2.43 Compact Housing (I). Dwellings that are parallel to, or adjoin the
road boundary of the site shall have a front door facing the road.
 The dwelling on Lot 1 adjoins the road boundary and the front door is not facing
the road. Discretionary Activity.

Overall, the Landuse component of the application triggers a Discretionary Activity Status.

4.2 SUBDIVISION

Although compact housing has been encouraged within close proximity to reserves, the District Plan provisions are silent on the minimum lot size requirements for subdivisions which are subject to a concurrent landuse for Compact Housing in the Residential Zone. As the subdivision fails to comply with the minimum lot size requirements specified in Rule 15.4.2.1 (a) and thus defaults to a **Non-Complying Activity.**

When packaged up, the development (landuse and subdivision) will be assessed as a **Non-Complying Activity**, being the most stringent of the activity status referenced above.

4.1 NES CONTAMINATED SOILS

These regulations came into force on 1 January 2012 and apply when a person wants to do an activity described in regulation 5(2) to 5(6) on a piece of land described in regulation 5(7) or 5(8). Following a review of the historical aerial photographs contained within Council's records, a HAIL activity does not appear to have been undertaken on the site. In accordance with Regulation 5(7), the site is not a 'piece of land' and consent is not required under the Resource Management (National Environmental Standard for Assessing and Managing Contaminants in Soil to Protect Human Health) Regulations 2011.



5.0 PUBLIC NOTIFICATION ASSESSMENT (SECTIONS 95A, 95C TO 95D)

5.1 ASSESSMENT OF STEPS 1 TO 4 (SECTION 95A)

Section 95A specifies the steps the council is to follow to determine whether an application is to be publicly notified. These are addressed in statutory order below.

5.1.1 Step 1: Mandatory public notification is required in certain circumstances

Step 1 requires public notification where this is requested by the applicant, or the application involves the exchange of recreation reserved land under s15A of the Reserves Act 1977.

The above does not apply to the proposal.

5.1.2 Step 2: If not required by step 1, public notification precluded in certain circumstances

Step 2 describes that public notification is precluded where all applicable rules and national environmental standards preclude public notification; or where the application is for a controlled activity; or a restricted discretionary, discretionary or non-complying boundary activity.

In this case, the applicable rules do not preclude public notification, and the proposal is not a controlled activity or a boundary activity. Therefore, public notification is not precluded.

5.1.3 Step 3: If not precluded by step 2, public notification required in certain circumstances

Step 3 describes that where public notification is not precluded by step 2, it is required if the applicable rules or NES require public notification, or if the activity is likely to have adverse effects on the environment that are more than minor.

Public notification is precluded under step 2 above.

5.1.4 Step 4: Public notification in special circumstances

If an application is not required to be publicly notified as a result of any of the previous steps, then the Council is required to determine whether special circumstances exist that warrant it being publicly notified.

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Special circumstances are those that are:

- exceptional or unusual, but something less than extraordinary; or
- outside of the common run of applications of this nature; or
- circumstances which make notification desirable, notwithstanding the conclusion that the adverse effects will be no more than minor.

The development involves a residential activity in the Residential Zone at a density that has been anticipated by virtue of the provisions and policy direction of the District Plan. As such there is nothing exceptional, unusual or extraordinary that would denote public notification under the 'special circumstances' umbrella.

5.2 SECTION 95D STATUTORY MATTERS

In determining whether an activity will have, or is likely to have, adverse effects on the environment that are more than minor (for the purpose of section 95A(8)(B)), a consent authority must:

• Disregard adverse effects on persons who own or occupy the land within which the activity will occur, or any land adjacent to that land.

The land to be excluded from the assessment is highlighted in the red colouration listed in section 5.3 below.

 Disregard adverse effects permitted by a rule in a plan or NES (the permitted baseline).

The permitted baseline is discussed further in section 5.4 of this report below.

• Disregard trade competition.

This is not considered to be a relevant matter in this case.

 Disregard the adverse effects on those persons who have provided their written approval to the application.

No written approvals have been provided as part of this application.

The sections below set out an assessment in accordance with Section 95D (whether adverse effects are likely to be more than minor, including identification of adjacent properties, and an assessment of adverse effects).



5.3 LAND EXCLUDED FROM THE ASSESSMENT OF WIDER ENVIRONMENTAL EFFECTS

In terms of the tests for public notification (but not for the purposes of limited notification or service of notice), the adjacent properties to be excluded from the assessment are shown in **Figure 4** below.



Figure 4: Land highlighted in 'red' was excluded from the public notification assessment

5.4 PERMITTED BASELINE

Pursuant to section 95D(b) of the Act a consent authority may disregard an adverse effect of an activity on the environment if the plan permits an activity with that effect (the 'permitted baseline' test). There are three categories to the permitted baseline test, these being:

- 1. What lawfully exists on the site at present;
- 2. Activities (being non-fanciful activities) which could be conducted on the site as of right, i.e., without having to obtain resource consent; and
- 3. Activities which could be carried out under a granted, but as yet unexercised, resource consent.

In our view the permitted baseline attributed to the landuse component of the development, is integral to our overall assessment of the proposal.

Of particular note is the District Plan provision relating to site coverage. As a permitted activity, 40% of the overall site is able to be covered in buildings and structures. In this instance the <u>overall</u> built form equates to a site coverage percentage of 44%. Although this doesn't quite comply with the 40% minimum, it is well within the realms of what has been expected within the residential zone. To further put this comment into perspective, the site could be developed with a dwelling, secondary dwelling and



ancillary building (or a combination of either of these scenarios) at basically the same size (minus 4 percent) as the proposed development as a **permitted activity.** This forms a key point in our overall assessment, particularly in relation to amenity related issues which are examined later in our report.

Council's processing planner is also *likely* to look closely at the number of dwellings and potential residents that will reside on the site as part of their amenity effects section of their 42a report. With this in mind, it is very important to note that once again there is nothing preventing a dwelling and secondary dwelling being constructed on site, with equal or more bedrooms than what is proposed as part of this development as **a permitted activity.** This signifies a complying development could theoretically accommodate the same number, or even more residents than what is currently proposed.

It is noted that there are no relevant permitted baseline effects relating to the subdivision component of the application.

5.5 ASSESSMENT OF EFFECTS ON THE WIDER ENVIRONMENT

The following sections set out an assessment of wider effects considered relevant to this proposal:

- Character and Amenity
- Traffic
- Earthworks and Construction
- Cultural
- Infrastructure

Character and Amenity Effects

The Act defines amenity values as "those natural or physical qualities and characteristics of an area that contribute to people's appreciation of its pleasantness, aesthetic coherence, and cultural and recreational attributes". As such the amenity values of an area can be described as those special attributes, relating particularly to natural and physical characteristics that make an area or neighbourhood unique. Therefore, it is important to consider the effects that development may have on the various characteristics that contribute to the amenity and character of the receiving environment.

As the development has been designed in a comprehensive manner it aligns with the District Plan's definition of 'compact housing'. This alliance with the definition is important as it provides a context to the development and the overall character and amenity values attributed to the Residential Zone.

To accurately assess the potential character and amenity effects attributed to a particular development, we first need to evaluate what the anticipated development



and environmental outcomes are within the area. In order to do this, we need to fall back on the specific provisions of the District Plan for guidance.

The District Plan rules relating to amenity and character spawn from the objectives and policies. In this instance the policy framework of the District Plan directs development of this nature (higher density residential) towards areas within a Compact Housing Overlay or in close proximity to a public reserve. In this instance the subject site ticks both these boxes; the only impeding factor being that the site does not contain a minimum lot size of 2000m².

Regardless, what we can conclude from the above referenced provisions is that the development at the density proposed is <u>not</u> out of character with the environmental outcomes anticipated within the Residential Zone, in close proximity to a public reserve.

It is noted that this type of development is the first of its kind to occur along Taylor Street, which will indicate that it will look *slightly* different to the standard residential development largely comprising of single-story housing existing along that street. However, given the District Plan provisions and further direction from central government to establish higher density housing, the proposal represents a 'snapshot' into the future development that will exist in time along Taylor Street, whilst not compromising the existing amenity values.

Further, the proposal represents a residential development in the Residential Zone or in other words a 'like activity in a like zone' which are important fundamentals in sustainable planning. As such the amenity values attributed to the Residential Zone will not be compromised with a development of this nature.

We acknowledge that the subject site does not contain the minimum 2000m² required as per the provisions of the District Plan. Given there are very few (if any) sites of this size available within areas *suitable* for compact housing development has provided a key road block in development such as this taking a foothold within the Waipa District (particularly Cambridge). From our perspective, should the site (or another similar site) actually contain 2000m² then developers would be likely to double the yield of perspective housing developments. With this in mind, the amenity values for a perspective 2000m² development would be consistent with what we have proposed, specifically in relation to building density and appearance.

In conclusion, based on the environmental outcomes anticipated in the District Plan along the southern side of Taylor Street (in the Compact Housing Overlay) we conclude that the proposal will have a no-more than minor effect on amenity values.



Traffic Effects

The development will generate more traffic movements than what currently occurs on site, however they will be generated from a 'residential activity' which is anticipated along Taylor Street. Each dwelling can accommodate one internal garage car park and on-site manoeuvring can occur to ensure all vehicles exit Taylor Street in a forward direction.

It is acknowledged that an Integrated Traffic Assessment (ITA) has not been provided as supplementary evidence supporting this application. This was primarily based on the District Plan provisions for Restricted Discretionary Activities as a useful guidance for when and where an ITA is required. Although the application needs to be assessed as a Non-Complying Activity, the District Plan guidelines for Restricted Discretionary Activities require an ITA when a development triggers greater than 249 vehicle movements per day. In this instance the traffic generated by way of this proposal is significantly less. As such, based on this guidance, we have not commissioned an ITA as part of the consenting process.

It is emphasised that this is a residential development within the Residential Zone, as such, subject to appropriate vehicle crossing and ROW design (which we would anticipate would be conditioned as part of the *approved* consent) we believe that the additional traffic generated by way of this proposal is able to be readily absorbed into the roading network with a no more than minor effect on the safety and functionality of the network.

In conclusion, given that Taylor Street is straight and there are clear lines of site, we do not anticipate any adverse traffic related effects over and above what theoretically could be generated on the site by virtue of the permitted baseline activities.

Earthworks and Construction Effects

There undoubtably will be *some* impact on the surrounding amenity during the construction stage of the proposal, specifically in relation to the increased traffic movements and noise generated by construction vehicles. However, these potential effects are part and parcel of residential development and will only be temporary in nature. Furthermore, given the flat topography of the site only minimal earthworks will be required.

Cultural Effects

Given the site is modified via existing residential development, in our opinion the proposal will not contribute to any adverse cultural effects. Notwithstanding Council staff *may* send a copy of our resource consent application to Nga Iwi Toopu O Waipa as part of the consenting process. Should any questions or areas of contention arise

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as part of this process we will be happy to consult work directly with Nga Iwi Toopu O Waipa to resolve any concerns.

Infrastructure

An additional water and wastewater connections will be required to service the development. Given the site is located in the Residential Zone, residential development at the density prescribed is not expected to adversely impact on the sustainability of Council's reticulated infrastructure. All stormwater will be engineered at building consent/224c stage to ensure stormwater is retained at predevelopment levels. Overall, the proposal will have a no more than minor effect on the functionality and sustainability of the districts reticulated infrastructure.

5.6 PUBLIC NOTIFICATION CONCLUSION

Based on our above assessment, we conclude that any potential adverse effects are no more than minor and public notification is not warranted.

6.0 LIMITED NOTIFICATION ASSESSMENT (SECTIONS 95B, 95E TO 95G)

6.1 ASSESSMENT OF STEPS 1 TO 4 (SECTION 95B)

If the application is not publicly notified under s95A, the council must follow the steps set out in s95B to determine whether to limited notify the application. These steps are addressed in the statutory order below.

6.1.1 Step 1: Certain affected protected customary rights groups must be notified

Step 1 requires limited notification where there are any affected protected customary rights groups or customary marine title groups, or affected persons under a statutory acknowledgement affecting the land.

The above does not apply to this proposal.

6.1.2 Step 2: If not required by step 1, limited notification precluded in certain circumstances

Step 2 describes that limited notification is precluded where all applicable rules and national environmental standards preclude limited notification; or the application is for a controlled activity (other than the subdivision of land).

In this case, the applicable rules do not preclude limited notification, and the proposal is not a controlled activity. Therefore, limited notification is not precluded.



6.1.3 Step 3: If not precluded by step 2, certain other affected persons must be notified

Step 2 requires that where limited notification is not precluded under step 2 above, a determination must be made as to whether any of the following persons are affected persons:

- In the case of a boundary activity, an owner of an allotment with an infringed boundary;
- In the case of a prescribed activity under s360H(1(b), a prescribed person; and
- In the case of any other activity, a person affected in accordance with s95E.

The application is not for a boundary or prescribed activity as defined in the Act and therefore an assessment in accordance with s95E is required.

6.1.4 Step 4: Further notification in special circumstances

In addition to the findings of the previous steps, the Council is also required to determine whether special circumstances exist in relation to the application that warrant notification of the application to any other persons not already determined as eligible for limited notification.

The development denotes a residential activity in the Residential Zone, as such the proposal does not warrant limited notification under the special circumstances umbrella.

6.2 SECTION 95E STATUTORY MATTERS

If the application is not publicly notified, a Council must decide if there are any affected persons and give limited notification to those persons. A person is affected if the effects of the activity on that person are minor or more than minor (but not less than minor).



6.3 ADJACENT PROPERTIES

We have used the most up to date GIS image to identify which properties have been addressed as part of our 95B and 95E assessments (Figure 5 – below).



Figure 5: Properties considered under 95B and 95E – referenced as the red shading.

6.4 ASSESSMENT OF EFFECTS ON ADJACENT PROPERTIES

Of the potential effects specifically related to the owners and occupiers of the adjacent property, in our opinion the key point of contention from Council's view point is *likely* to be the non-compliance associated with density, and associated amenity related effects.

Yes, it is acknowledged that the development will alter the existing low density residential development that currently exists in the area, however in our view the development represents a key advance in residential development on the periphery of the green belt, which is in line with the future anticipated growth outcomes derived from the NPS UD and the policy direction of the District Plan.

As such, neighbouring property owners *should* be of the expectation that sites within the vicinity within this area will begin to be developed at a higher density than other parts of Cambridge.

To further narrow in on our assessment we have identified and commented on each individual adjoining property as follows:



Property 1

As previously mentioned, the development has been designed in order to minimise the potential effects on adjoining property owners. In this instance the upper levels of the dwellings have been positioned to be well outside the permitted setbacks in order to minimise any potential privacy effects on Property 1. However, it is noted a new dwelling *could* be constructed on the subject site in the same position as a permitted activity. Attention during the design phase of the development has also been taken to ensure the dwellings comply with the required height recession planes to ensure that there are no privacy related effects outside of what is denoted as a permitted activity within the District Plan.

In terms of potential noise effects, given the site will be used for residential activity the type of noise generated is anticipated within the zone. It is also important to note that a dwelling and secondary dwelling containing the exact same number of bedrooms as that is proposed could be constructed as a permitted activity.

The predominate outdoor living area for Property 1 appears to be on the northern side of the dwelling fronting Taylor Street and the greenbelt. As a result, it is important that the proposed development does not disrupt this vista to the greenbelt. When assessing this component, it is once again important to note that the development complies with the road boundary setbacks and there is an existing mature hedge planted along the internal boundary between the two sites which will be retained as part of this development. On this basis we can conclude that the proposal will not interfere with the outlook from the Property 1 in a manner that has not been anticipated in the District Plan.

Traffic is another key consideration, however as identified in our Public Notification assessment the additional traffic generated will be derived from a residential activity which is an anticipated tenure of landuse within this area. Subject to appropriate right of way design and the construction of a new vehicle crossing, we don't believe traffic will generate any additional effect over and above what is anticipated in the District Plan.

Amenity effects also relate to the 'intrinsic' values attributed to a site and surrounding area. This can be very difficult to assess as the site and its associated amenity values will mean something different to each property owner. In our opinion the best way to assess is this to take guidance from the high-level objectives and policies of the District Plan. In this instance the District Plan supports higher density residential development within this area, meaning that although the development will look different to what is currently visible along Taylor Street, development of this nature has been anticipated, which in time will alter the existing amenity values attributed to the area.

In summary we can make the following conclusions in relation to the potential effects on Property 1.



- The development complies with the height recession plane angles, thus ensuring that any potential loss of sunlight will be less than minor;
- The development complies with the internal boundary setbacks adjoining Property 1, however in order to further reduce any privacy related effects greater setbacks have been provided to the upper levels of the development;
- The front unit complies with the road boundary setbacks, and the retention of the mature hedge along the north easter boundary of Property 1 will ensure the outlook to the green belt is retained;
- Traffic generated will be within the realms of what has been anticipated within the Residential Zone; and
- The development will not generate any additional noise over and above what is anticipated within the residential zone.

Based on the above analysis, we can conclude that any potential effects on Property 1 are less than minor.

Properties 2 and 3

Similar to Property 1, the development has been designed in order to ensure any potential effects on the above referenced properties are minimised. This is particularly apparent in relation to the relevant District Plan bulk and location standards. For example, the development will not contribute to any additional loss of sunlight, privacy or outlook which hasn't already been anticipated by virtue of the permitted baseline activities.

We note that the right of way servicing the development abuts the adjoining boundary, so the owners and occupiers of Properties 2 and 3 will experience some additional traffic movements over and above what currently occurs on site. However once again, these vehicle movements will relate to residential activities and are thus anticipated within this area. It is also important to note that the number of bedrooms (which equate to potential traffic movements) created as part of this development could theoretically be created on site as a permitted activity.

Notwithstanding to soften the appearance of the additional impermeable surfaces associated with the right of way and manoeuvring areas, additional landscaping will be positioned along the abutting boundary.

Given residential development in the form of Terraced Houses has been anticipated in this area, we conclude that any potential effects on the above referenced properties will be less than minor.

Property 4

Property 4 is located on the southern side of the development and abuts an existing garage that straddles the southern boundary. Given the outdoor living area for

Property 4 is located on the northern side of the dwelling fronting the proposed development, great time and attention has been taken to ensure the proposed development does contribute to any additional adverse effects on this particular property owner over and above current currently exists on site.

With this in mind the upper level has been set back 5.4m from the boundary in order to ensure that more restrictive hight recession plane angle of 28 degrees is able to be complied with. This in turn will give Council's Planner confidence that any daylight related effects are less than minor. In terms of the lower levels of the development, they also comply with the two setback requirements specified in the District Plan.

On this basis Property 4 will not experience any additional effects over and above what could be undertaken on the site as a permitted activity, as a dwelling/ancillary building exactly the same site as units 4 and 5 could be constructed in the same position without requiring resource consent.

Overall, we conclude any potential effects on the owners and occupiers of Property 4 will be less than minor.

Property 5

The above property abouts the south western corner of the site and has frontage to Constance Place to the south. Given the mature trees and vegetation planted along the north eastern boundary, the proposed development will not be visibly obtrusive. This point accompanied separation distance draw us to the conclusion that any potential effects on the owners and occupiers of Property 5 will be less than minor.

6.5 LIMITED NOTIFICATION CONCLUSION

Based on our above assessment, we conclude that activities of this nature have been anticipated by virtue of the policy direction of the District Plan, and any associated non-compliances are negligible and will have a less than minor effect on the adjoining properties. As such, we conclude that limited notification is not required.

7.0 CONSIDERATION OF APPLICATIONS (SECTION 104)

7.1 STATUTORY MATTERS

Subject to Part 2 of the Act, when considering an application for resource consent and any submissions received, a Council must, in accordance with section 104(1) of the Act have regard to:

• any actual and potential effects on the environment of allowing the activity;

- any relevant provisions of a National Environmental Standard, other regulations, National Policy Statement, a New Zealand Coastal Policy Statement, a Regional Policy Statement or proposed Regional Policy Statement; a plan or proposed plan; and
- any other matter a council considers relevant and reasonably necessary to determine the application.

As a Non-Complying Activity, section 104B of the Act states that a council:

- (a) may grant or refuse the application; and
- (b) if it grants the application, may impose conditions under section 108.

8.0 EFFECTS ON THE ENVIRONMENT (SECTION 104(1)(A))

Under our Section 104 analysis the environmental tests are slightly different, in that we have to ascertain or demonstrate the environmental effects of the proposal are in fact acceptable.

Throughout this report we have concluded that the proposal will have a <u>no more than minor</u> effect on the wider environment and any potential effects on the immediately adjoining property owners and occupiers are less than minor.

In Sections 5.4 and 6.4 we have analysed in detail the key issue around density, where we were able to conclude that the development (although non-complying) has been anticipated within the Residential Zone in the periphery of the greenbelt. Furthermore, the development has been carefully designed to comply with the key bulk and location provisions of the District Plan, which can be used as a useful guidance tool to determine the acceptability (or not) of a residential development.

As such when viewed from a high-level perspective, using the objectives and policies of the District Plan and the NPS UD as guidance, we are able to conclude that the development at the density prescribed is an acceptable outcome in the area.

Positive Effects

Section 104 also gives the Planner the opportunity to identify any potential positive effects attributed to the development. Given the current housing shortage in the Waikato region (specifically Cambridge) the creation of higher density residential dwellings in the vicinity of the greenbelt represents a positive outcome for the site, and the wider area.

Based on past Council experience plus conversations with real estate agents and other prominent professionals in the property sector we are able to ascertain that the demand for smaller low maintenance dwellings is becoming highly sought after people simply don't have the disposable time available to care for a large sections. This development has attempted to fill this vacant niche in the Cambridge property

market.

While the development will look different to the housing typologies existing along Taylor Street, given the development has been designed by a respected local based architect to a high spec, in our view the development will represent a key advance in residential development within the area and will set a high bench mark for other similar residential developments to follow in the future.

Furthermore, the high level of compliance with the bulk and location provisions of the District Plan, signifies that the design outcomes will contribute positively to the overall amenity of the town.

In order to encourage active, safe and vibrant town centres, higher density development has been encouraged around the perimeters of the Commercial Zone and in close proximity to reserves, where residents can take advantage of the shared open space. As a result, the development will actively enhance the vibrancy of the area.

Although individually this development won't address the housing shortage, when viewed holistically the cumulative positive effects from other similar developments will take important steps towards easing the pressure on the housing market and providing a variety of living choices for the community.

In summary, based on the key conclusions made throughout this report, we are able to conclude that the proposed development represents and positive outcome for the Cambridge community and the Waipa District as a whole.

9.0 DISTRICT PLAN AND STATUTORY DOCUMENTS (SECTION 104(1) (B))

The following planning documents prepared under the RMA are considered relevant to this application.

- Waipa District Plan
- Waikato Regional Policy Statement
- Waikato Regional Plan
- National Policy Statement Urban Development

9.1 WAIPA DISTRICT PLAN – OBJECTIVES AND POLICIES

The below section includes an assessment against the relevant objectives and policies of the District Plan.



Section 1 – Strategic Policy Framework

OBJECTIVES	POLICIES
1.3.2 Planned and Integrated	1.3.2.1 Implement Proposed Waikato Regional
Development	Policy Statement, Future Proof 2009 and Growth
To ensure that development and	Strategy 2009
subdivision happens in a way and	To allow subdivision and development that will give
at a rate that is consistent with the	effect to the settlement pattern and directions of
anticipated settlement pattern,	the Proposed Waikato Regional Policy Statement
maximises the efficient use of	and that is consistent with the settlement pattern
zoned and serviced land, and is co-	and directions in the Future Proof Growth Strategy
ordinated with cost-effective	and Implementation Plan 2009 and the Growth
infrastructure provision.	Strategy 2009, and avoid unplanned developments
	which are inconsistent with these directions.

Comment

The proposal is consistent with the anticipated settlement pattern of the Waikato Regional Policy Statement, Future Proof and the Waipa Growth Strategy. The application demonstrates that the site is able to be developed in a planned and integrated manner in accordance with the above objective and policy.

Section 2 – Residential Zone

OBJECTIVES	POLICIES				
2.3.1 Key elements of	2.3.1.1 Cambridge				
residential character	To maintain and enhance Cambridge's character by:				
To maintain and enhance	(a) Maintaining the grid layout that provides long vistas down				
the existing elements of	roads; and				
the Residential Zone that	(b) Providing for wide grassed road verges that enable sufficient				
give each town its own	space for mature trees; and				
character.	(c) Maximising opportunities to provide public access to				
	town belt; and				
	(d) Maintaining and enhancing public views to the Waikato River				
	and Karapiro Stream Valley with development actively facing				
	and providing access to the River and the Stream; and				
	(e) Providing for development that is of a low density, one to two				
	storeys, and setback from road frontages to enable sufficient				
	open space for the planting of trees and private gardens; and				
	(f) Maintaining the mix of villa, cottage and bungalow type				
	housing within the identified character clusters.				
2.3.2 Neighbourhood	2.3.2.1 Building setback: road boundary				
amenity and safety	All boundaries shall be designed and setback from roads in a				
	manner which:				



To maintain amenity values and enhance safety in the Residential Zone

- (a) Maintains the predominant building setback within the neighbourhood except in relation to compact housing areas and Neighbourhood and Local Centres; and
- (b) Allows sufficient space for the establishment of gardens and mature trees on the site except in compact housing areas; and (c) Accentuates the dwelling on the site; and
- (d) Provides for passive surveillance to roads and avoids windowless walls to the street.

2.3.2.3 Building setback: side boundaries

To maintain spaciousness when viewed from the road, provide opportunities for planting, provide a degree of privacy, maintain sunlight and daylight, provide ongoing access to the rear of the site and enable building maintenance from within the site by maintaining a consistent setback between buildings on different sites.

For compact housing and retirement village developments Policy 2.3.2.3 is to be assessed at the boundary of the site only.

2.3.2.5 Height of buildings

The height of new buildings shall not be out of character with the Residential Zone. For developments within the compact housing area identified on the Planning Maps this policy applies at the boundary of the site.

2.3.2.6-2.3.2.7 Site coverage and permeable surfaces

To ensure that all sites have sufficient open space to provide for landscaping, outdoor activities, storage, on-site stormwater disposal, parking, and vehicle manoeuvring by maintaining a maximum site coverage requirement for buildings in the Residential Zone.

Maintain a proportion of each site in permeable surfaces such as lawn and gardens, in order to ensure there is sufficient capacity to enable the on-site disposal of stormwater.

2.3.2.9 Maintaining low ambient noise environment

To ensure that noise emissions and vibration from all activities, including construction, are consistent with the low ambient noise environment anticipated in the Residential Zone.

2.3.2.16 Earthworks

To ensure that earthworks are carried out in a manner that avoids adverse effects between properties and on water bodies.

2.3.2.19-2.3.2.20 Safety and Design

To enhance the safety of residential neighbourhoods through site layouts and building designs that incorporate Crime Prevention through Environmental Design (CPTED) principles. To ensure that passive surveillance is provided to roads, reserves

and walkways.

2.3.3.1-2.3.3.2 Building setback from rear and side boundaries



2.3.3 On-site amenity values

To maintain and enhance amenity values within and around dwellings and sites in the Residential Zone through the location, layout and design of dwellings and buildings.

Buildings should be setback from rear boundaries in order to provide for the privacy of adjoining properties and to not overly dominate outdoor living areas on adjoining sites.

To enable the construction of buildings up to and on rear and side site boundaries in circumstances where there is no loss of privacy, sunlight or daylight noise effects on adjoining properties or such effects are mitigated, and where sufficient area is maintained on site for outdoor living, and the building does not unduly dominate outdoor living areas on adjoining sites.

2.3.3.3 Daylight

To maintain adequate daylight and enable opportunities for passive solar gain by providing for the progressive reduction in the height of buildings the closer they are located to a boundary (except a road boundary).

2.3.3.5 Maximum building length

Long building lines are not consistent with residential character and should be avoided. Buildings that are well modulated with architectural detail shall be preferred.

2.3.4 Providing housing options

To enable a wide range of housing options in Cambridge, Te Awamutu, Kihikihi and Karapiro in a way that is consistent with the key elements of the character of each place.

2.3.4.1 Sustainable and efficient use of land

To meet changing housing needs and to reduce demand for further land to be rezoned, by providing for a range of housing options. Developments that are comprehensively designed where spaces can be shared will be preferred.

2.3.4.5 Compact housing

To enable compact housing in the following locations:

- (a) Areas identified for compact housing on the Planning Maps or on an approved structure plan; or
- (b) Where the intensive use is off-set by adjoining an area zoned for reserve purposes on the Planning Maps that is greater than $1000m^2$, including the Cambridge town belt; or
- (c) Within a 400m radius of a Commercial Zone.
- (d) Compact Housing will be supported where it is consistent with compact housing provided on neighbouring land.

 Provided that:
- (i) In all cases compact housing shall be comprehensively designed and shall incorporate the sustainable design and layout principles (refer to Section 21 Assessment Criteria and Information Requirements); and
- (ii) At the boundaries of the site, compact housing shall be consistent with the predominant height and bulk of development in the neighbourhood; and
- (iii) Sites which adjoin a cul-de-sac should be avoided.

2.3.5 Comprehensive design and development

To ensure that developments are comprehensively

2.3.5.1 Comprehensive design of in-fill housing, compact housing, retirement village accommodation and associated care facilities, rest homes and visitor accommodation

To ensure that in-fill housing, compact housing, retirement village accommodation and associated care facilities, rest



designed, incorporate urban design and CPTED principles, are coordinated with infrastructure provision, and integrated with the transportation network.

homes and visitor accommodation are comprehensively designed by:

- (a) Ensuring that developments effectively relate to the street, existing buildings, and adjoining developments in the neighbourhood; and
- (c) Avoiding long continuous lengths of wall; and
- (d) Maximising the potential for passive solar gain; and
- (e) Providing for sufficient private space for the reasonable recreation, service and storage needs of residents; and
- (h) Incorporating CPTED principles; and
- (i) Addressing reverse sensitivity effects; and
- (j) Mitigating adverse effects related to traffic generation, access, noise, vibration and light spill; and
- (k) Being appropriately serviced and co-ordinated with infrastructure provision and integrated with the transport network.

Comment

As alluded to throughout this report, the proposal will promote a new modern feeling and vibrancy to one of the areas in Cambridge which has specifically been designated for high density housing. While the development will look different to the older single-story dwelling located along Taylor Street (some of which are former state housing), in our view it will create a high bench mark in terms of design that proceeding developments within the area will be judged upon.

The proposal represents a high level of compliance with bulk and location provisions of the District Plan, and complying outdoor living can be achieved to ensure a high level of on-site amenity is retained once the units become habitable. Furthermore, landscaping will be provided along the front and side of the units to soften the visual appearance and dominance of the development whilst the complying boundary setbacks will ensure a sense of space and openness is retained when viewed from any public vantage points.

The unit facing the street frontages will comply with the key CPTED principles by complying with the required glazing standard which will accentuate 'eyes on the street', which is an important core principle associated with CPTED.

As alluded to throughout this report all dwellings are able to connect to the appropriate reticulated infrastructure and the existing roading network.

Based on the high level of compliance with the key bulk and location standards specified in the District Plan, we are able to conclude that the proposal is not contrary to the above referenced objectives and policies.



Based on aerial photographs of Cambridge the majority of sections within the Residential Zone are in excess of 1000m². At this size, the town is currently unable to supply a wide range of house options as per the directive outlined within Objective 2.3.4. This development will alleviate some of this pressure by providing five terraced houses and associated free hold titles at a size and density not readily seen in Cambridge, promoting a variety of different living alternatives and housing typologies.

In summary it is concluded that the proposal represents a positive outcome for the Cambridge township and is therefore not contrary to the above referenced objectives and policies.

Section 15 – Infrastructure, Hazards, Development and Subdivision

OBJECTIVES	POLICIES		
15.3.1 Integrated	15.3.1.1 Understanding the constraints and opportunities		
development: site design and	of a site by undertaking a site and surrounding area		
layout	analysis		
To achieve integrated	Development and subdivision should integrate with and		
development within the	acknowledge the constraints and opportunities of the site		
District, that contributes to	-		
	and surrounding area.		
creating sustainable	15.3.1.2 Sustainable design and layout development		
communities and enhances	principles		
key elements of character and	Development and subdivision within the urban limits and		
amenity.	the Large Lot Residential Zones, should occur in accordance		
	with the principles of sustainable design, and enable		
	energy efficiency.		
	15.3.1.3 Low impact design		
	The design and layout of development and subdivision,		
	should recognise the landform and processes of the natural		
	environment of the site and surrounding land, and avoid or		
	minimise alterations to the landform and ecosystems.		
	15.3.1.4 All zones: ensuring boundary adjustments and		
	boundary relocations do not compromise amenity		
	Boundary adjustments and boundary relocations shall not		
	create or increase any non-compliance with rules for new		
	lots in the zone within which the subdivision is taking place.		
15.3.2 Integrated	15.3.2.1 Land to be suitable for use		
development: natural	Land to be developed or subdivided must be physically		
hazards and site suitability	suitable to accommodate the permitted land use activities		
To ensure that sites proposed	for that zone in accordance with the rules of this Plan		
as part of a development or	15.3.2.2 Consideration of natural hazards		
subdivision will be capable of	Development and subdivision design should avoid natural		
accommodating activities	hazards, or provide for the mitigation of the hazard within		
anticipated within the	the development or subdivision design.		
applicable zone.	15.3.2.3 Consideration of climate change		



Development and subdivision design should avoid areas that may be subject to the known effects of climate change, or provide for the mitigation of the effects of climate change within the development or subdivision design

15.3.2.4 Consideration of reverse sensitivity

Development and subdivision design should not result in reverse sensitivity effects on adjacent sites, adjacent activities, or the wider receiving environment.

15.3.3 Integrating development: efficient servicing

Achieving the efficient and cost-effective servicing of land by ensuring that servicing is provided to areas proposed to be developed.

15.3.3.1 Servicing requirements

All proposed urban development and subdivision shall be serviced to a level that will provide for the anticipated activities approved in a structure plan, or otherwise anticipated within the zone. Servicing requirements shall include:

- (a) Reserves for community, active and passive recreation; and
- (b) Pedestrian and cycle connections; and
- (c) Roads; and
- (d) Public transport infrastructure, e.g. bus stops; and
- (e) Telecommunications; and
- (f) Electricity; and
- (g) Stormwater collection, treatment and disposal; and
- (h) Wastewater treatment and reticulation, water provision for domestic and firefighting purposes; and
- (i) Anticipating and providing for connections to identified adjacent future growth areas.

15.3.3.2 Co-ordination between servicing and development and subdivision

Development and subdivisions shall:

- (a) Be located in areas where infrastructural capacity has been planned and funded; and
- (b) In areas subject to an approved structure plan, provide sufficient infrastructural capacity to meet the demand identified in the structure plan; and
- (c) Achieve the lot yield anticipated in an approved structure plan; and
- (d) Include infrastructure provision for both the strategic infrastructure network and local infrastructure connections.

15.3.3.4 Roading infrastructure

- The design, location, alignment, and dimensions of new roads shall ensure that safe vehicle, pedestrian, and cycling access and manoeuvring can be provided to every site/lot.
- The roading pattern shall ensure connectivity to adjacent land identified as Deferred Zones or future growth areas, and the provision of public transport infrastructure, such as bus stops.



15.3.3.5 Standard of infrastructure Infrastructure services shall be provided to a standard that will allow the service to be extended to Deferred Zones or future growth areas. 15.3.4 Urban consolidation 15.3.4.1 Achieving density, design and character To ensure urban consolidation The minimum and maximum lot size and dimension of lots will be achieved within the have been established so that they achieve the character while and density outcomes of each zone. District, also contributing to character and 15.3.4.2 Achieving sufficient development density to amenity outcomes. support the provision of infrastructure services Within the urban limits, where there is no structure plan, the maximum lot size for the zone shall be achieved in order provide a development yield to support infrastructure provision. For some developments where there are proven geotechnical constraints the maximum net lot area may be exceeded. 15.3.4.11 Avoiding reverse sensitivity on adjacent zones and infrastructure Development and subdivision shall not compromise the function of adjacent zones, existing nationally or regionally significant infrastructure, or the provision of infrastructure 15.3.6 Integrated 15.3.6.1 Minimise impacts on the natural environment: development: environmental low impact design methods To maintain and enhance the natural environment, the enhancement existing land forms, vegetation, and water bodies, through Maintain and enhance the District's natural environment, the use of low impact design methods at the time of including the natural development and subdivision. functioning of the 15.3.6.5 Achieving permanent protection of the natural environment, natural features environment and landscapes, Incentivised Cycleways may be created by Council and significant natural areas. resolution once Council is satisfied that granting environmental benefit lot eligibility for that cycleway is consistent with the District Plan, Regional Policy Statement and any Council, regional, or sub-regional, growth strategy. 15.3.6.7 Identification of sensitive locations Subdivision entitlement that creates an additional lot in identified sensitive locations shall be directed to less sensitive locations as specified in this Plan. 15.3.7 Maintaining cultural 15.3.7.1 Manage adverse effects on the values of the landscapes cultural landscape To maintain the values of the cultural landscapes identified To maintain the Districts cultural landscapes, identified in this Plan, the layout and design of development and in this Plan. subdivision should not result in buildings, earthworks and wastewater systems adversely affecting the cultural values

of the landscape.



15.3.12 Giving effect to the Waikato River Vision and Strategy

To ensure that the Waikato River Vision and Strategy is given effect to by all development and subdivision.

15.3.12.1 Maintaining the health and well-being of land and water bodies

To give effect to the directions and outcomes in the Waikato River Vision and Strategy and the Waipā River Accord, by ensuring that all development and subdivision shall include the following elements:

- (a) Low impact design for stormwater, drainage and earthworks; and
- (b) Building setbacks from lakes and water bodies; and
- (c) Access to water bodies where appropriate; and
- (d) Provision for the Te Awa Cycleway, where relevant; and (e) Minimal indigenous vegetation removal and
- requirements for restoration and enhancement of indigenous vegetation and natural character; and
- (f) Restricting locations of earthworks, building and wastewater systems within cultural landscapes.

15.3.13 Existing consent notices, bonds and other legal instruments

To ensure the integrity of existing consent notices that regulate further subdivision and that are registered on the certificates of titles of land within the District.

15.3.13.1 Maintaining existing consent notices, bonds and other legal instruments

To avoid fragmentation of the land resource by ensuring that subdivision processes continue to enforce historic restrictions that have been placed on certificates of titles.

Comment

The policy direction of the District Plan attempts to promote higher density residential development within designed Compact Housing Overlays and within areas in close proximity to reserves, however this policy has not been mirrored in density provisions specified in the District Plan. As such the proposal fails to comply with the maximum permitted density in the Residential Zone. Regardless, the comprehensively designed terraced houses that are intrinsically linked back to the lot configuration provide a high level of onsite amenity for future residents. Whilst the development will *somewhat* alter the character and amenity of the local environment from low density residential to a much higher density, in our opinion this change in dynamics represents a positive outcome for the area and provides a 'snapshot' into the future density anticipated in this area. Furthermore, as discussed throughout the report, all proposed lots will be serviced to a level that will provide for future residential use which is a key component of the District Plan. Overall, we conclude that the proposal is not contrary to the above Objective and Policies.



Section 16 - Transportation

OBJECTIVES POI 16.3.4 Provision of vehicle entrances, parking, loading and manoeuvring areas The provision of adequate and well-located vehicle entrances and parking, loading and manoeuvring areas that contribute to both the efficient ass

functioning of the site and the

adjacent transport network.

POLICIES

16.3.4.1 Location of vehicle entrances

To maintain the safe and efficient functioning of adjoining roads and railways, vehicle entrances to all activities shall be located and formed to achieve safe sight lines and entry and egress from the site. In some locations, adjoining rail lines, State Highways, and the District's Commercial Zones; vehicle entrances will be limited and will require assessment due to the complexity of the roading environment, or the importance of provision for pedestrians.

16.3.4.2 Ensuring adequate parking, loading and manoeuvring areas on site

To maintain the efficient functioning of adjoining roads, all activities shall provide sufficient area on site to accommodate the parking, loading and manoeuvring area requirements of the activity, except in the Residential Zone where the provision of on-site manoeuvring for dwellings is enabled within the setbacks.

16.3.4.5 On-site vehicle manoeuvring areas in the Residential Zone

The requirement for dwellings to provide an on-site manoeuvring area may be dispensed with in specific and limited circumstances, where any adverse effects on safety can be avoided, remedied or mitigated.

Comment

The proposal will not have any adverse implications on the overall safety and functionality of Taylor Street or the surrounding transport network. The proposal is able to achieve onsite parking and manoeuvring to ensure vehicles are able to exit the site in a forward direction, as consistent with the District Plan provisions. Pedestrian and cyclist's connectivity and accessibility to the site and the transport network will not be adversely affected by the proposal.

As such we are able to conclude that the proposal is not contrary to the above objective and policies.

Objectives and Policies Conclusion

Based on the above analysis, we conclude that the proposal is not contrary to the above referenced objectives and policies.

9.2 WAIKATO REGIONAL POLICY STATEMENT (RPS)

The relevant provisions of the Operative and Proposed Waikato Regional Policy Statements have been given effect to within the context of the District Plan, to which we have concluded that the proposal is not contrary to the policy framework of the District Plan. On this basis we conclude that the proposal is not contrary to the overarching policy framework of the RPS.

9.3 WAIKATO REGIONAL PLAN

No consents were required under the Waikato Regional Plan.

9.4 NPS URBAN DEVELOPMENT

The NPS-UD 2020 requires councils to plan well for growth and ensure a well-functioning urban environment for all people, communities and future generations

The NPS-UD 2020 recognises the national significance of:

- Having well-functioning urban environments that enable all people and communities to provide for their social, economic, and cultural wellbeing, and for their health and safety, now and into the future.
- Providing sufficient development capacity to meet the different needs of people and communities.

Relevant Objectives are listed below:

Objective 1: New Zealand has well-functioning urban environments that enable all people and communities to provide for their social, economic, and cultural wellbeing, and for their health and safety, now and into the future.

Objective 2: Planning decisions improve housing affordability by supporting competitive land and development markets.

Objective 3: Regional policy statements and district plans enable more people to live in, and more businesses and community services to be located in, areas of an urban environment in which one or more of the following apply: the area is in or near a centre zone or other area with many employment opportunities the area is well-serviced by existing or planned public transport there is high demand for housing or for business land in the area, relative to other areas within the urban environment.

Objective 4: New Zealand's urban environments, including their amenity values, develop and change over time in response to the diverse and changing needs of people, communities, and future generations.



Relevant Polices are listed below:

Policy 1: Planning decisions contribute to well-functioning urban environments, which are urban environments that, as a minimum:

- a) have or enable a variety of homes that:
 - i. meet the needs, in terms of type, price, and location, of different households; and
 - ii. enable Māori to express their cultural traditions and norms; and
- b) have or enable a variety of sites that are suitable for different business sectors in terms of location and site size; and
- have good accessibility for all people between housing, jobs, community services, natural spaces, and open spaces, including by way of public or active transport; and
- d) support, and limit as much as possible adverse impacts on, the competitive operation of land and development markets; and
- e) support reductions in greenhouse gas emissions; and
- f) are resilient to the likely current and future effects of climate change.

Policy 3: In relation to tier 1 urban environments, regional policy statements and district plans enable:

- d) in all other locations in the tier 1 urban environment, building heights and density of urban form commensurate with the greater of:
 - (i) the level of accessibility by existing or planned active or public transport to a range of commercial activities and community services; or
 - (ii) relative demand for housing and business use in that location.

Policy 5: Regional policy statements and district plans applying to tier 2 and 3 urban environments enable heights and density of urban form commensurate with the greater of:

- a) the level of accessibility by existing or planned active or public transport to a range of commercial activities and community services; or
- b) relative demand for housing and business use in that location.

Policy 6: When making planning decisions that affect urban environments, decision-makers have particular regard to the following matters:

- a) the planned urban built form anticipated by those RMA planning documents that have given effect to this National Policy Statement
- b) that the planned urban built form in those RMA planning documents may involve significant changes to an area, and those changes:



- (i) may detract from amenity values appreciated by some people but improve amenity values appreciated by other people, communities, and future generations, including by providing increased and varied housing densities and types; and
- (ii) are not, of themselves, an adverse effect
- c) the benefits of urban development that are consistent with well-functioning urban environments (as described in Policy 1)
- d) any relevant contribution that will be made to meeting the requirements of this National Policy Statement to provide or realise development capacity
- e) the likely current and future effects of climate change.

Comment

This subdivision aligns with the high-level guidance outlined within the NPS UD, specifically in relation to Policy 1 which seeks to encourage well-functioning urban environments which promote a variety of different homes. The proposal provides for five residential units at a density that is not currently predominant in the environment, catering towards professionals, smaller families and retirees. The proposed two-storey terraced houses offer a housing typology that does not exist in the immediate environment, providing future residents with variety and choice without compromising on amenity values. The construction of five smaller sized dwellings in this area will assist in 'meet the needs, in terms of type, price, and location of different households', which is a key factor linked to Policy 1.

Furthermore, the proposal further supports the urbanisation of residential zoned land which has high accessibility to open space, schools (Cambridge High School) and commercial centres (Cambridge Town Centre).

10.0 PART 2 MATTERS

Section 5 of Part 2 identifies the purpose of the RMA as being the sustainable management of natural and physical resources. This means managing the use, development and protection of natural and physical resources in a way that enables people and communities to provide for their social, cultural and economic well-being and health and safety while sustaining those resources for future generations, protecting the life supporting capacity of ecosystems, and avoiding, remedying or mitigating adverse effects on the environment.

Section 6 of the Act sets out a number of matters of national importance including (but not limited to) the protection of outstanding natural features and landscapes and historic heritage from inappropriate subdivision, use and development.



Section 7 identifies a number of "other matters" to be given particular regard by Council and includes (but is not limited to) Kaitiakitanga, the efficient use of natural and physical resources, the maintenance and enhancement of amenity values, and maintenance and enhancement of the quality of the environment.

Section 8 requires Council to take into account the principles of the Treaty of Waitangi.

Overall, as the effects of the proposal are considered to be acceptable, and the proposal accords with the relevant objectives and policies of the District Plan. Accordingly, it is concluded that the proposal will not offend the general resource management principles set out in Part 2 of the Act.

11.0 OTHER MATTERS (SECTION 104(1)(c))

Precedence

Precedent is an important matter to consider under Section 104(1)(C). While not an environmental effect per se, for Council to approve an application they need to be mindful that an adverse precedent effect is not being made. Whilst the RMA tells us that each application has to be assessed on its individual merits, natural justice means that applications of a similar nature need to be treated in a comparable manner.

In this instance approving a residential development that doesn't comply with the minimum density provisions of the District Plan, specifically the 2000m² minimum lot size provision *could potentially* create a precedent for other similar subdivisions. As a result, in order to safeguard Council's position (should consent be approved), Council must be satisfied that the site contains a set of unique characteristics that would differentiate it from other similar sized sites.

The key point of difference associated with this site is that it is located within a designated Compact Housing Overlay immediately abutting the Cambridge Greenbelt. As such the policy direction of the District Plan has recognised that development at this density is an acceptable outcome. To put this comment into perspective, if a development of this nature was applied for within a suburban area, <u>not</u> within a compact housing overlay or within close proximity to the Commercial Zone or public space then yes, approving a development of that nature could potentially create an unwanted precedent effect. However, this is not the case.

In terms of other *possible* future developments located within the vicinity of the subject site failing to comply with the 2000m² minimum lot size, we would argue that approving additional compact housing developments (depending on their location and compliance with other District Plan provisions) would represent a positive outcome for the District which is in keeping with the key themes identified in the NPS UD.



Based on our above rational, we conclude the development will not generate any unforeseen precedent related effects.

Future Proof

The Future Proof Growth Strategy and Implementation Plan 2009 is a collaborative strategy for managing growth in the Waipa District, Waikato District, Hamilton City and that part of the Waikato Region. Implementation of this Strategy is in accordance with Section 74(2)(b) of the Act. It contains directions for a number of growth-related issues including provisions for business and City and Town Centres. The strategy has four focus areas being residential development, rural land, business and industrial land, and retail and commercial development. Given the site subject to this application is located within the Residential Zone, mean it aligns with the key overarching themes of this growth strategy.

12.0 SECTON 104D – GATEWAY TEST

To obtain consent, an applicant will need to demonstrate to Council in its application that either of the 'two' gateway tests under Section 104D of the Resource Management Act 1991 are satisfied, being wither that:

- (a) The adverse effects of the application on the environment will be minor; or
- (b) That the application will not be contrary to the objectives and policies of the relevant plan.

Throughout this report I have established that the adverse effects of the proposal are less than minor and that it is not contrary to the objectives and policies of the District Plan.

As such the proposal passes through the gateway test enabling the application to be approved.

13.0 SECTON 106

106 Consent authority may refuse subdivision consent in certain circumstances.

- (1) A consent authority may refuse to grant a subdivision consent, or may grant a subdivision consent subject to conditions, if it considers that—
 - (a) there is a significant risk from natural hazards; or
 - (b) [Repealed].

- (c) sufficient provision has not been made for legal and physical access to each allotment to be created by the subdivision.
- (1A) For the purpose of subsection (1)(a), an assessment of the risk from natural hazards requires a combined assessment of—
 - (a) the likelihood of natural hazards occurring (whether individually or in combination); and
 - (b) the material damage to land in respect of which the consent is sought, other land, or structures that would result from natural hazards; and
 - (c) any likely subsequent use of the land in respect of which the consent is sought that would accelerate, worsen, or result in material damage of the kind referred to in paragraph (b).
- (2) Conditions under subsection (1) must be—
 - (a) for the purposes of avoiding, remedying, or mitigating the effects referred to in subsection (1); and
 - (b) of a type that could be imposed under section 108.

Natural Hazards

The management of significant risks from natural hazards is listed in Section 6 of the Resource Management Act (RMA) 1991 as a matter of national importance. Under the RMA, regional councils and territorial authorities have specific functions to manage natural hazards in their jurisdictions in accordance with the risk-based approach articulated by the Ministry for the Environment.

The RMA defines natural hazard as, 'any atmospheric, earth or water related occurrence (including earthquake, tsunami, erosion, volcanic and geothermal activity, landslip, subsidence, sedimentation, wind, drought, fire or flooding) the action of which adversely affects or may adversely affect human life, property, or other aspects of the environment'.

The applicant has provided a Site Suitability Report prepared by Titus Consulting Engineers dated 25 February 2021 and referenced 11683 (**Appendix 4**). The report concludes that the site is suitable for the intended development subject to further geotechnical investigations prior to building consent, specifically as follows:

Taking into account the conclusions reached in the Titus report, we are satisfied that the proposal does not present a significant risk from a natural hazard nor through the subdivision of land accelerate worsen or result in material damage on other land, structures or the subject site.



Legal and Physical Access

Provision of vehicle access to Lots 1-5 is will be provided through a shared accessway (Lot 6) accessing off Taylor Street.

Conclusion

On the basis of the above, we do not consider there is any grounds to refuse consent under Section 106.

14.0 CONCLUSION

The proposal involves the construction of a five-unit compact housing development and subdivision of one lot into five free-hold titles at 109 Taylor Street. There is an existing residential dwelling onsite which is proposed to be removed as a result of this proposal. This application has been assessed as a **Non-Complying Activity**.

Based on the above report it is concluded that:

- The proposal will not detract from the residential amenity values attributed to the wider area.
- The proposal aligns with the <u>overall</u> densities prescribed in the District Plan.
- Stormwater and wastewater can be disposed in a manner that won't have any overarching effects on the reticulated infrastructure.
- The actual and potential adverse environmental effects are acceptable in residential environment.
- Public and limited notification is not required.
- The proposal is not contrary to the relevant objectives and policies of the District Plan.
- The proposal is consistent with Part 2 of the Act. It is therefore concluded that the
 proposal satisfies all matters the consent authority is required to assess, and that
 the application for resource consent can be granted on a non-notified basis.

AUTHOR

Gareth Moran

Associate

Barker & Associates Ltd

Date: February 2021

Reviewed By - Fraser McNutt

Associate

Barker & Associates Ltd



RECORD OF TITLE UNDER LAND TRANSFER ACT 2017 FREEHOLD

Search Copy



Identifier Land Registration District South Auckland **Date Issued**

SA62D/729 30 January 1998

Prior References

SA1021/226

Fee Simple Estate

Area 1012 square metres more or less

Legal Description Lot 2 Deposited Plan South Auckland 947

Registered Owners Hodges Projects Limited

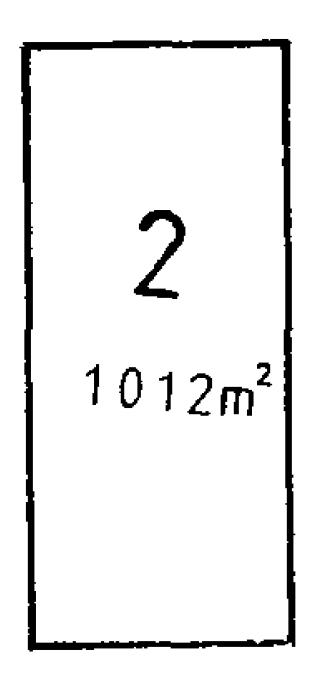
Interests

11835692.2 Mortgage to ASB Bank Limited - 31.8.2020 at 3:17 pm

Identifier

SA62D/729

TAYLOR ST



Taylor Street Terrace Houses

Christopher Beer Architect Limited

32 Victoria Street (rear), Cambridge +64 (0)7 827 9944 studio@christopherbeerarchitect.com

Document Set ID: 10563218 Version: 1, Version Date: 26/02/2021 Concept Design Drawing Set - For RESOURCE CONSENT

Taylor Street Terrace Houses Warren & Wendy Hodges 109 Taylor Street, Cambridge Cambridge Lot 2 DPS 947 1,012m²



District Plan Zone: District Plan Overlay: Permeable surface: Site (building) coverage: Front yard setback: Side yard setbacks: Maximum building height: Height control plane:

Residential Zone Compact Housing 40% min. 40% max. 2m typically (1 at 1.5m) 9m 2.7m + 45° (28° at south

109 Taylor Street

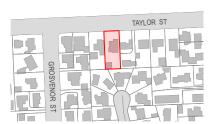
EXISTING Site Summary - Areas At Roof Level Total site area:

rotar otto aroa.	1,012		
Total roof coverage:	266	m²	26%
Driveway	187		
Other paving	94	m ²	
Total impermeable area:	547	m²	54%
Permeable grass, garden, etc.	465	m ²	
Total permeable area:	465	m²	46%

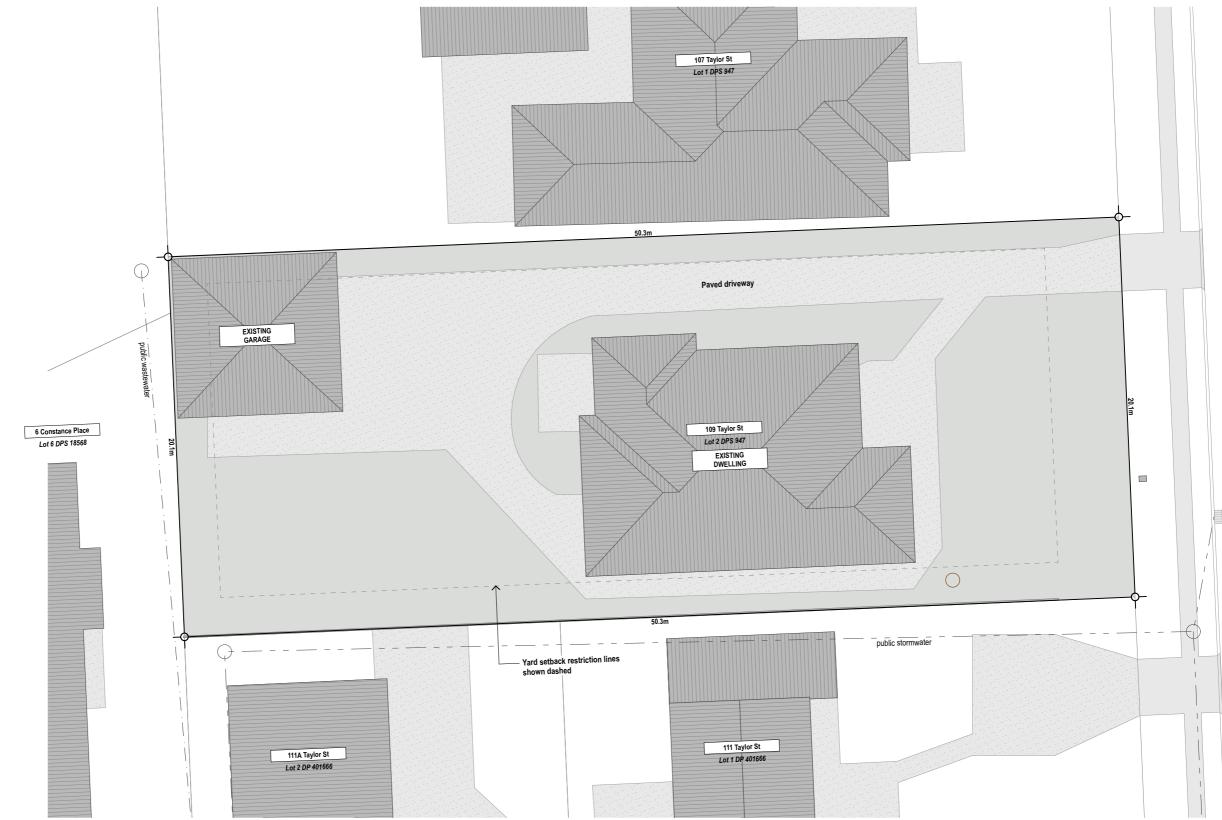
EXISTING Site Summary- Areas at Ground Floor

Total site area	1,012	m ²
Permeable grass, garden, etc.	471	m ²
Other paving	134	
Driveway	195	m ²
bulluling lootpilliteoverage	212	1115

MCKINNON PARK



Site Location



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PLAN: Existing Site

Sheet number (revision):

SK.01(B)

Drawing issued: 12/02/21

Drawing scale: 1:1000, 1:200, 1:1.6667

TAYLOR STREET



District Plan Zone: Residential Zone District Plan Overlay: Permeable surface: Site (building) coverage: Front yard setback: Side yard setbacks: Maximum building height: Height control plane:

Compact Housing 40% max. 2m typically (1 at 1.5m) 9m 2.7m + 45° (28° at south

Site Summary - Areas At Roof Level

Total site area:	1,012	m ²	
Total roof coverage:	449	m ²	44%
Driveway	251		
Other paving	164	m ²	
Total impermeable area:	864	m²	85%
Permeable grass, garden, etc.	148	m ²	
Total permeable area:	148	m ²	15%

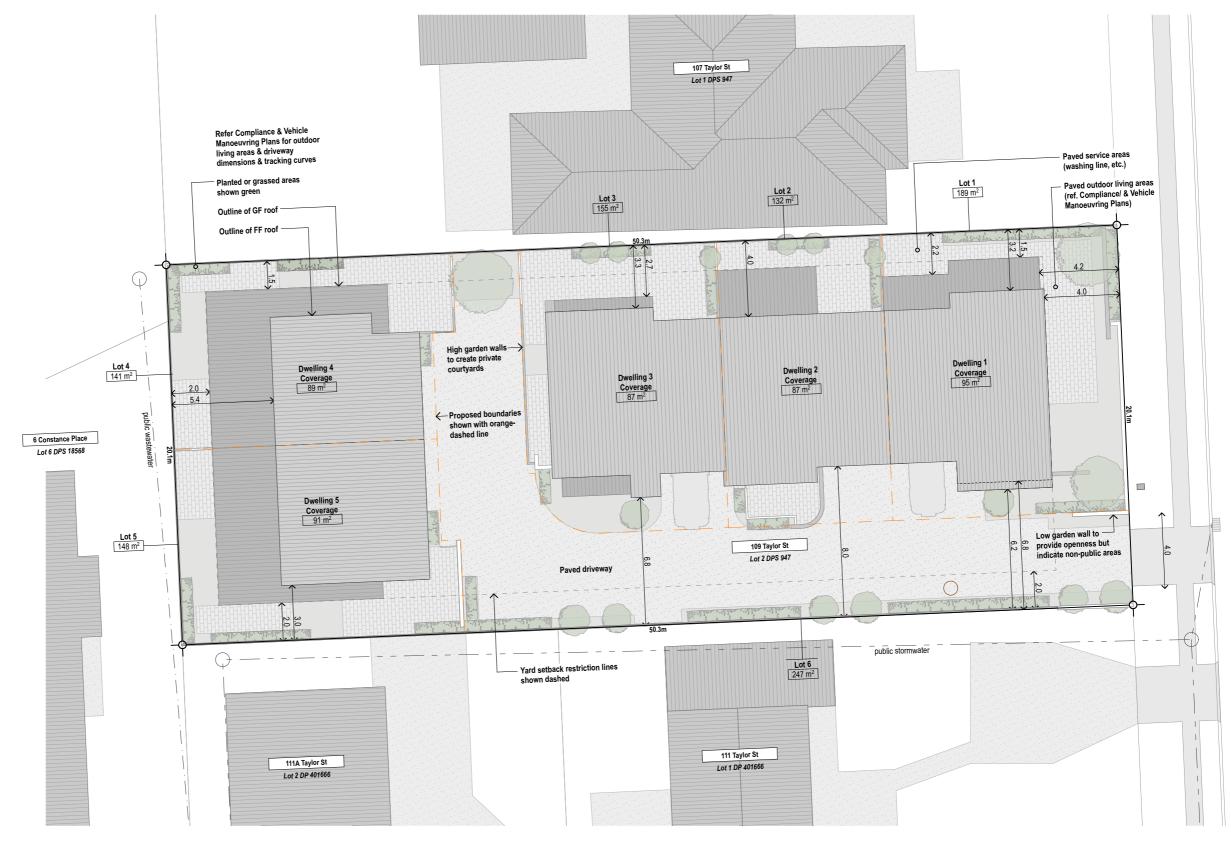
Site Summary - Actual Areas at Ground Floor Building footprint/coverage 370 m²

Driveway 314 m² Other paving 178 Permeable grass, garden, etc. 150 m² Total site area 1,012 m²

MCKINNON PARK



Site Location



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PLAN: Site

SK.02(C)

Sheet number (revision):

Drawing issued: 12/02/21

Drawing scale: 1:1000, 1:200, 1:1.6667

TAYLOR STREET

Site Information

Address:
Legal description:
Site area:

109 Taylor Street
Cambridge
Lot 2 DPS 947
1,012m²



North

Development Information

District Plan Zone:
District Plan Overlay:
Permeable surface:
Site (building) coverage:
Front yard setback:
Side yard setbacks:
Maximum building height:
Height control plane:

Residential Zone
Compact Housing
40% min.
40% max.
4m
2m typically (1 at 1.5m)
9m
2.7m + 45° (28° at south

Site Summary - Areas At Roof Level

Total site area:	1,012	m ²	
Total roof coverage:	449	m ²	44%
Driveway	251		
Other paving	164	m ²	
Total impermeable area:	864	m²	85%
Permeable grass, garden, etc.	148	m ²	
Total permeable area:	148	m²	15%

Site Summary - Actual Areas at Ground Floor

 Building footprint/coverage
 370 m²

 Driveway
 314 m²

 Other paving
 178

 Permeable grass, garden, etc.
 150 m²

 Total site area
 1,012 m²

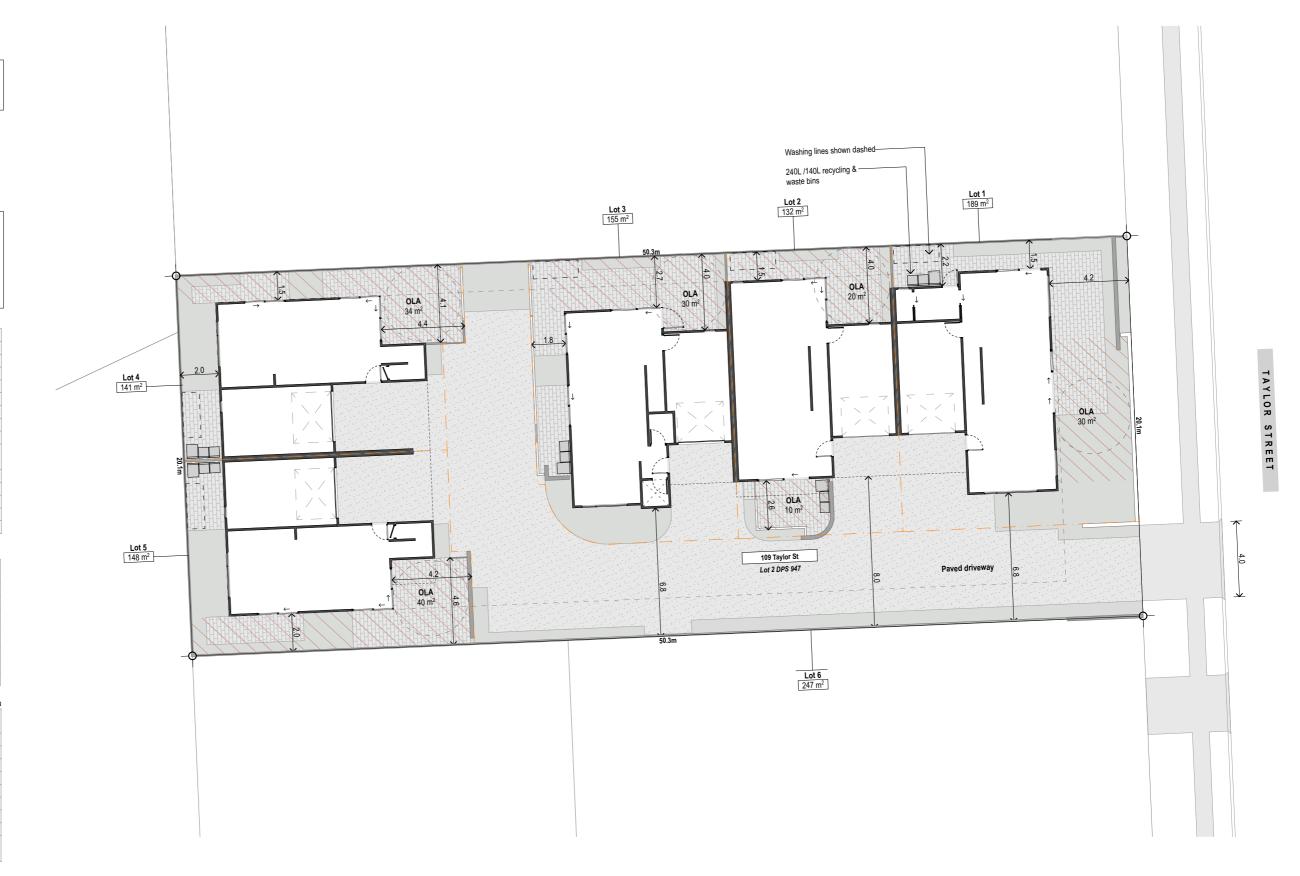
Buildings Summary - Floor Areas (m²)

Dwelling / Lot	Site		GF GFA	FF GFA	Unit GFA
1	189		84	81	165
2	132		76	74	150
3	155		76	80	156
4	141		67	50	117
5	148		67	58	125
6	247		_	_	_
TOTAL	1,012	0	370	343	713

Buildings Summary - Permeability, Coverage, OLA (m²

TOTAL	1.012	150	449		
6	247	37	_	_	_
5	148	20	91	46.1%	40
4	141	17	89	46.7%	34
3	155	21	87	42.6%	30
2	132	6	87	48.0%	30
1	189	49	95	39.8%	30
/ Lot	Site	Permeable	Coverage		ULA

Note: coverage percentage includes 1/5 (49.4m²) of Lot 6 (shared driveway)



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PLAN: Site Compliance & Outdoor Living Areas

SK.03(C)

Sheet number (revision):

Site Information

Address:

Legal description: Site area:



District Plan Zone: District Plan Overlay: Permeable surface: Site (building) coverage: Front yard setback: Side yard setbacks: Maximum building height: Height control plane:

Residential Zone Compact Housing 40% min. 40% max. 2m typically (1 at 1.5m)

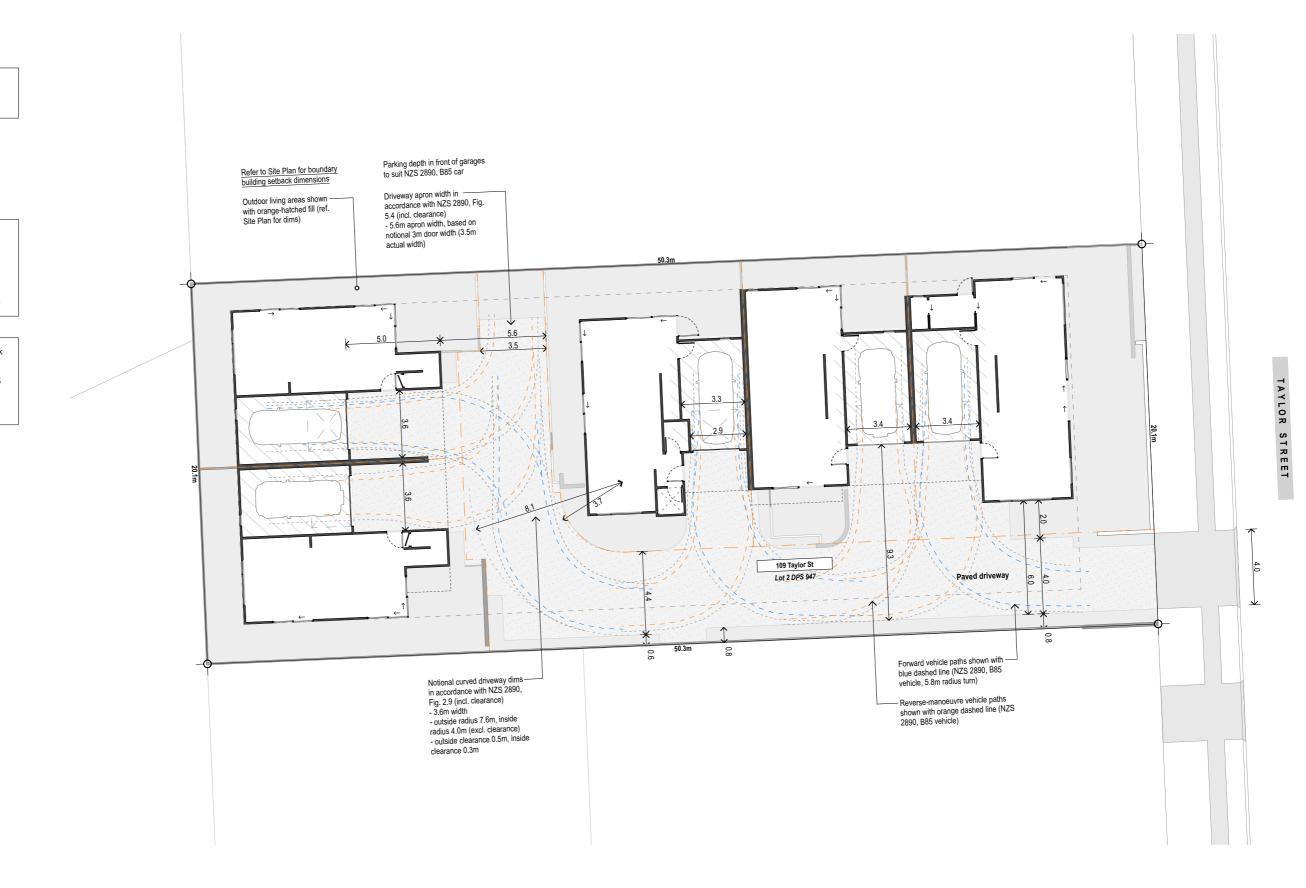
boundary)

109 Taylor Street

Cambridge Lot 2 DPS 947 1,012m²

9m 2.7m + 45° (28° at south

- Refer to Site Plan for boundary building setback
- dimensions
 Vehicle tracking and vehicle dimensions are in accordance with AS/NZS 2890.1: 2004, for B85 Vehicle. Driveway dimensions & parking dimensions are in accordance with AS/NZS 2890.1: 2004 for Domestic Driveways, except where noted otherwise.



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о Ф 4 - - - • 44041 ч д Ф С С доди Ф ч и ч с т PLAN: Site Vehicle Manoeuvring

SK.04(C) Sheet number (revision):

Site Information

Address:

109 Taylor Street Cambridge Lot 2 DPS 947 1,012m² Legal description: Site area:



District Plan Zone: District Plan Overlay: Permeable surface: Site (building) coverage: Front yard setback: Side yard setbacks: Maximum building height: Height control plane:

Residential Zone Compact Housing 40% min. 40% max. 2m typically (1 at 1.5m) 9m 2.7m + 45° (28° at south

boundary)

Site boundary information and coordinates are

approximate & subject to survey
Proposed lot boundaries & subdivision information
is shown for coordination purposes; property is to be surveyed & boundaries, easements, etc. proposed & confirmed by Licensed Surveyor



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PLAN: Site Services & Subdivision

SK.05(D)

Sheet number (revision):



North

Buildings Summary - Floor Areas (m²)

Dullulligs	Dullulings Sulfilliary - Floor Areas (III-)						
Dwelling / Lot	Site		GF GFA	FF GFA	Unit GFA		
1	189		84	81	165		
2	132		76	74	150		
3	155		76	80	156		
4	141		67	50	117		
5	148		67	58	125		
6	247		_	_	_		
TOTAL	1,012	0	370	343	713		

Buildings Summary - Permeability, Coverage, OLA (m ²							
Dwelling / Lot	Site	Permeable	Coverage		OLA		
1	189	49	95	39.8%	30		
2	132	6	87	48.0%	30		
3	155	21	87	42.6%	30		
4	141	17	89	46.7%	34		
5	148	20	91	46.1%	40		
6	247	37	_	_	_		

TOTAL 1,012 150 449

Note: coverage percentage includes 1/5 (49.4m²) of Lot 6 (shared driveway)



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PLAN: Ground Floor 1:200

SK.06(C)
Sheet number (revision):

 Site Information

 Address:
 109 Taylor Street Cambridge

 Legal description:
 Lot 2 DPS 947

 Site area:
 1,012m²



North

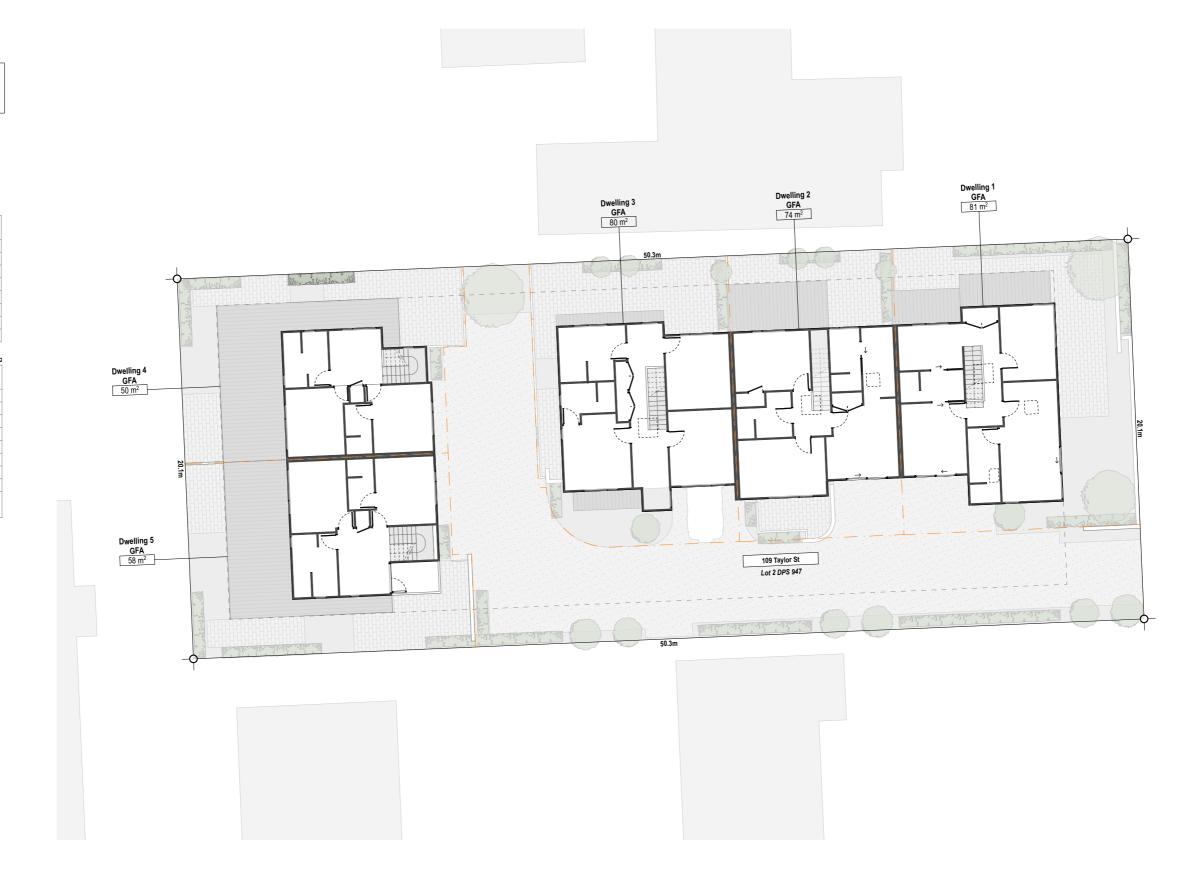
Buildings Summary - Floor Areas (m²

Buildings	Buildings Summary - Floor Areas (m²)						
Dwelling / Lot	Site		GF GFA	FF GFA	Unit GFA		
1	189		84	81	165		
2	132		76	74	150		
3	155		76	80	156		
4	141		67	50	117		
5	148		67	58	125		
6	247		_	_	_		
TOTAL	1,012	0	370	343	713		

Buildings Summary - Permeability, Coverage, OLA (m²

/ Lot	Sile	reilleable	Coverage		OLA
1	189	49	95	39.8%	30
2	132	6	87	48.0%	30
3	155	21	87	42.6%	30
4	141	17	89	46.7%	34
5	148	20	91	46.1%	40
6	247	37	_	_	_
TOTAL	1,012	150	449		_

Note: coverage percentage includes 1/5 (49.4m²) of Lot 6 (shared driveway)



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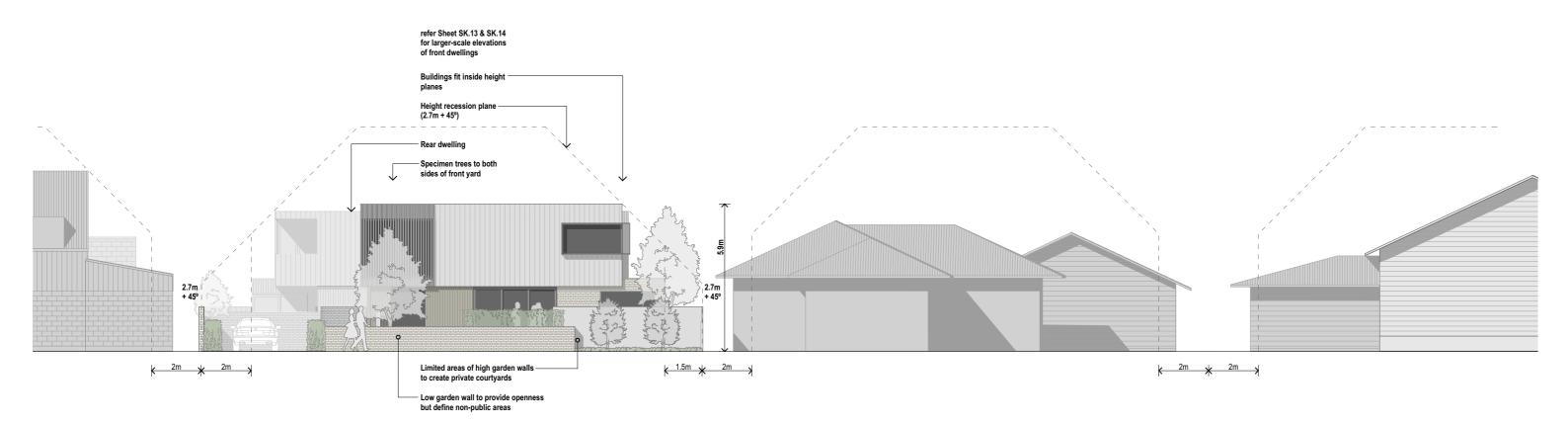
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PLAN: First Floor 1:200

SK.07(A)

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NORTH ELEVATION (FACING TAYLOR ST)

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 ELEVATIONS: North & South 1:150

SK.08(A)

Sheet number (revision):



EAST ELEVATION (FACING DRIVEWAY)

1:150



WEST ELEVATION 1:150

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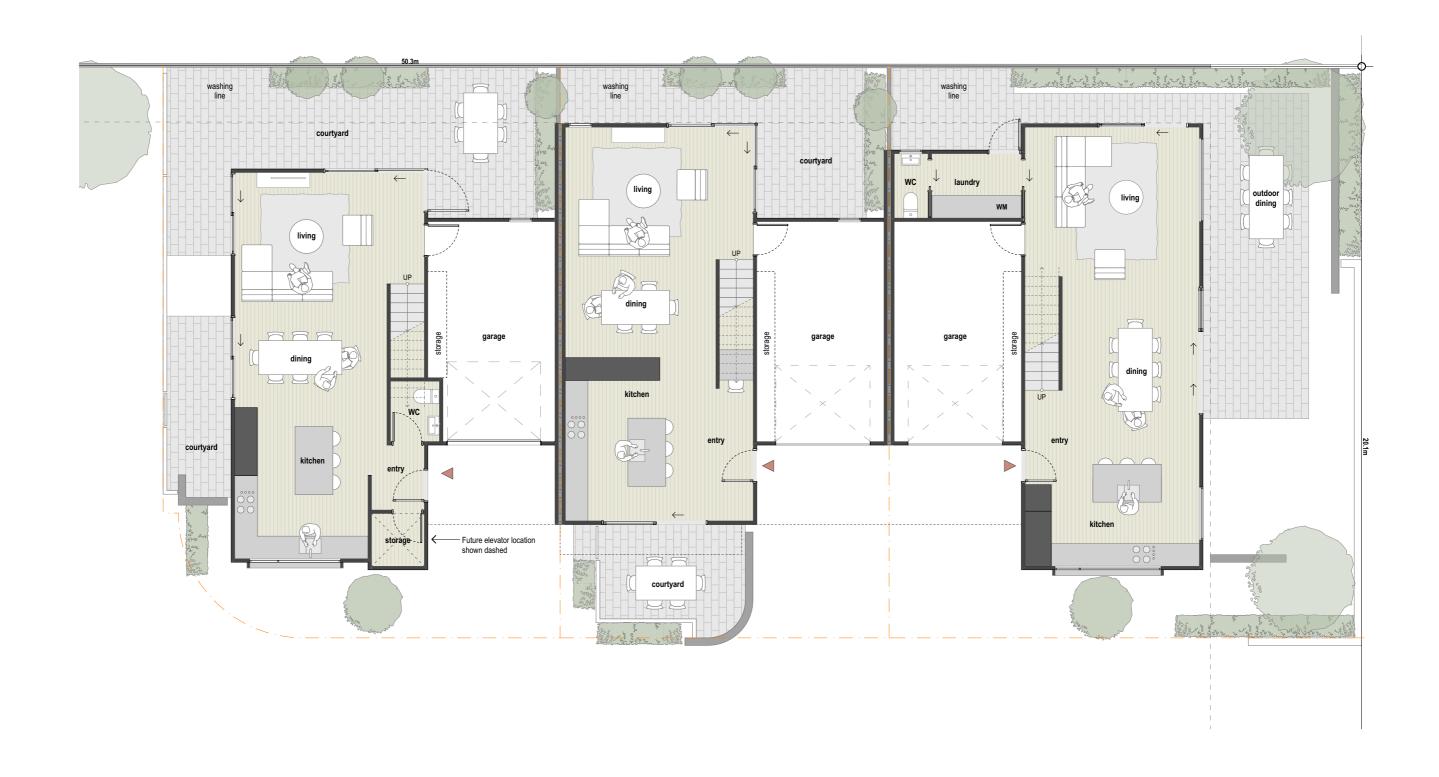
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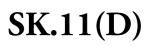
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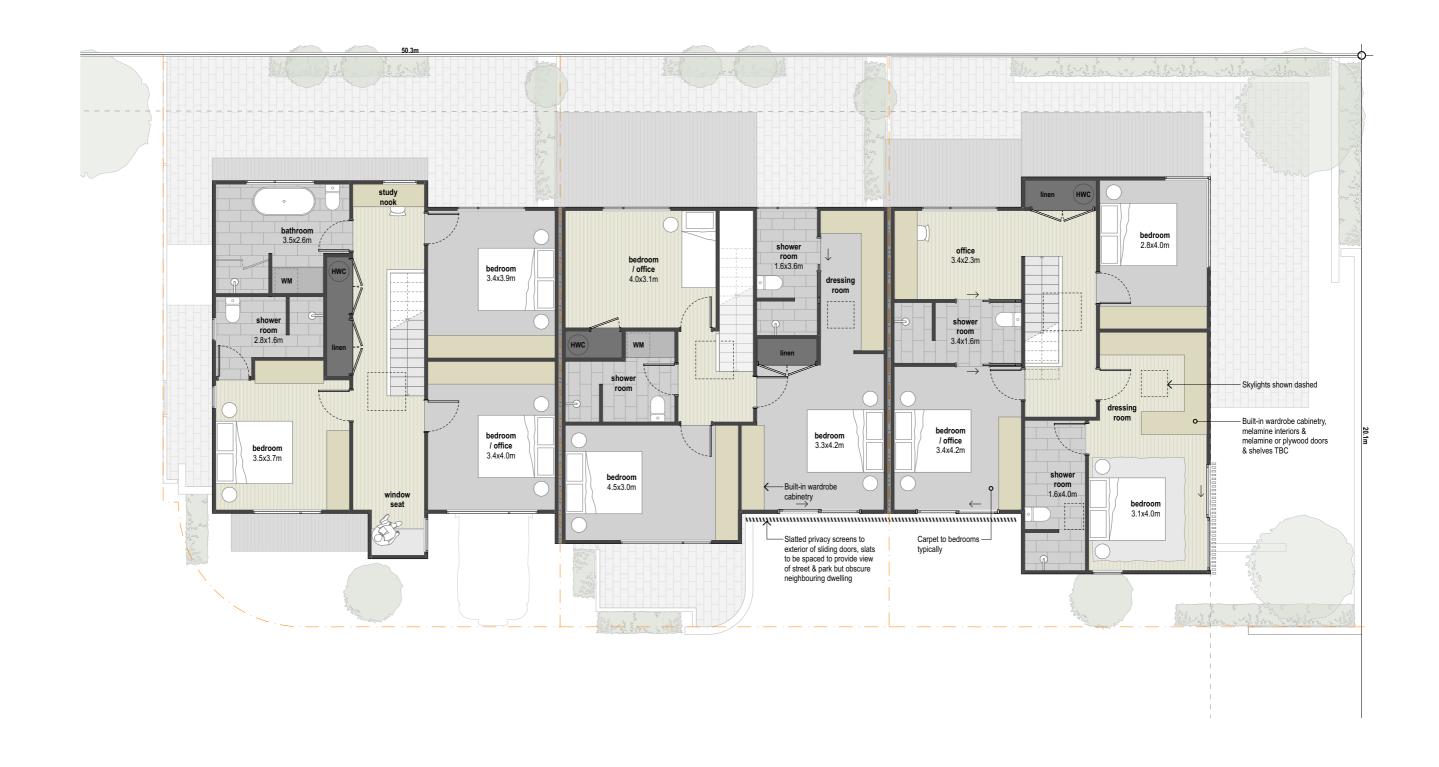
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tartc c c e br c c b br c t b e br t br e s PLAN: Front Dwellings Ground Floor



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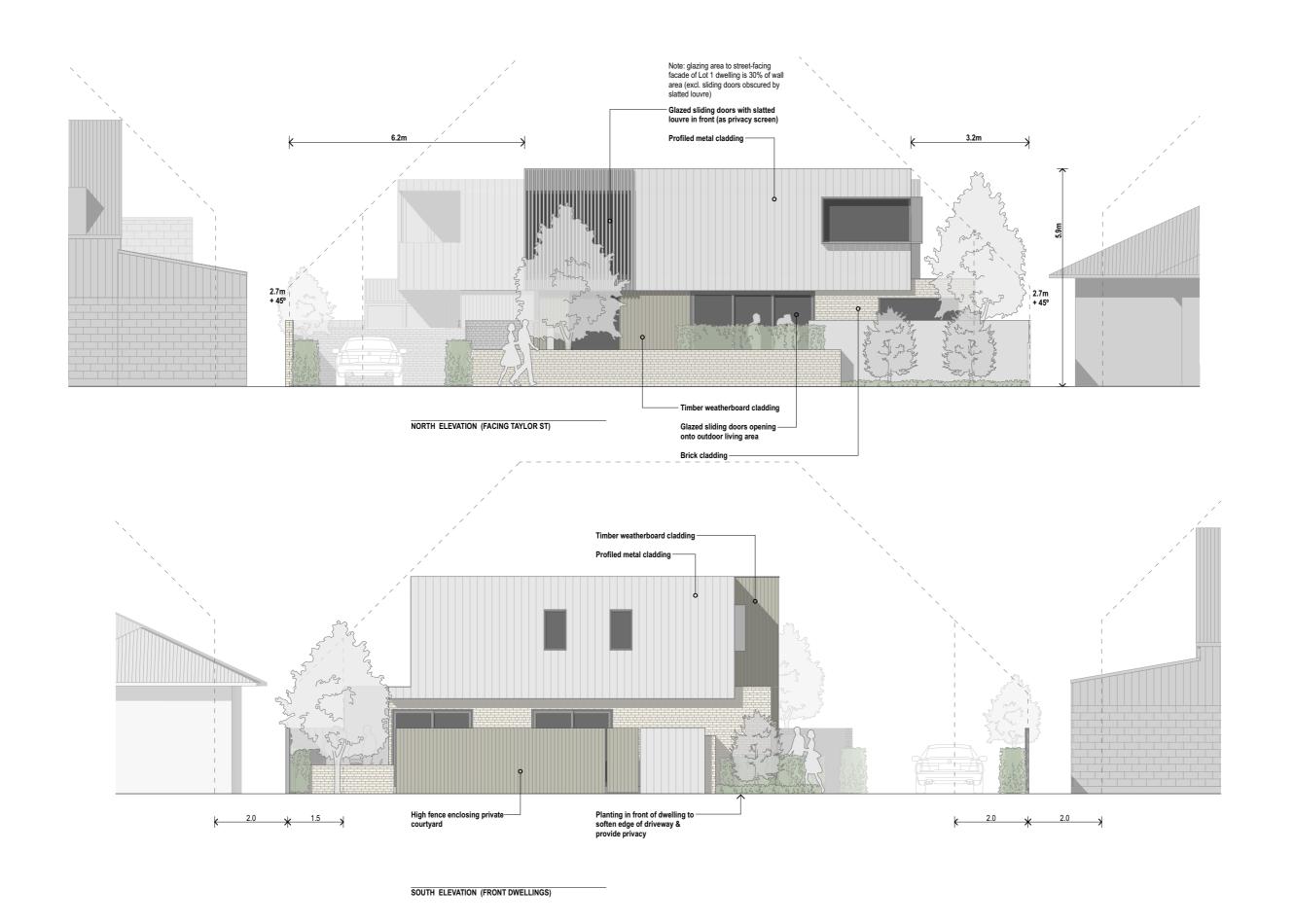
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PLAN: Front Dwellings First Floor

SK.12(C)

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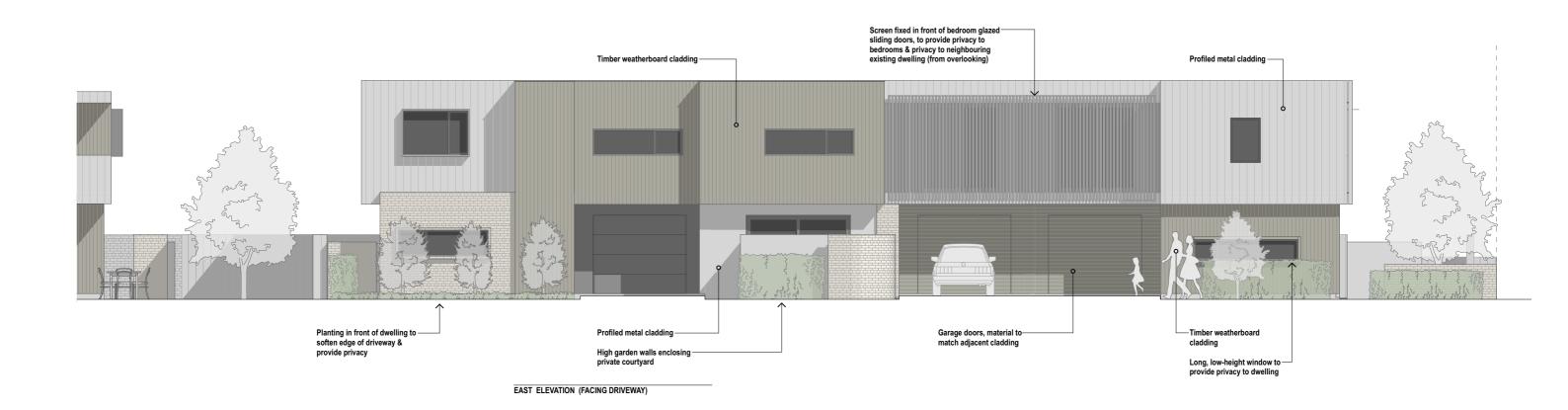
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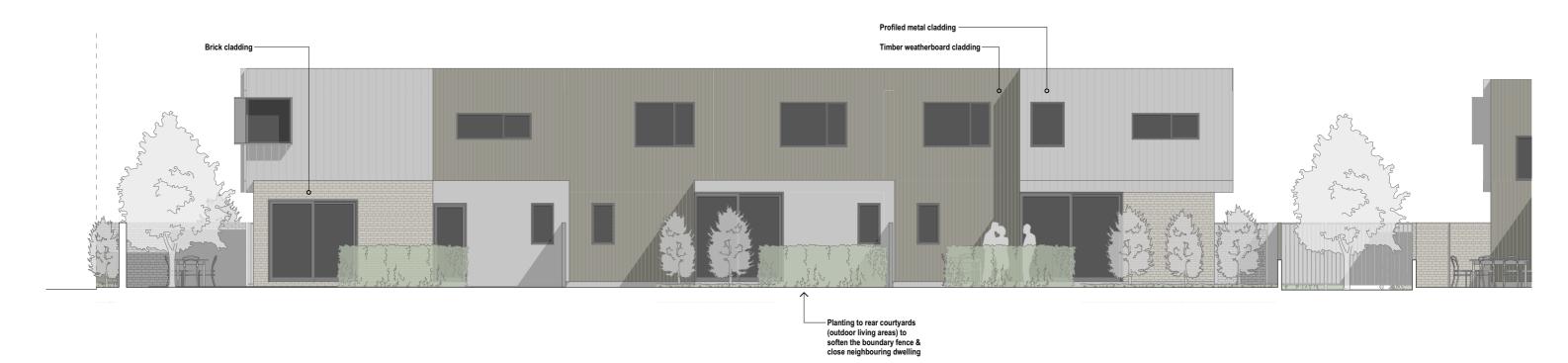
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ELEVATIONS: Front Dwellings

SK.13(E)





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WEST ELEVATION

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SK.14(E)

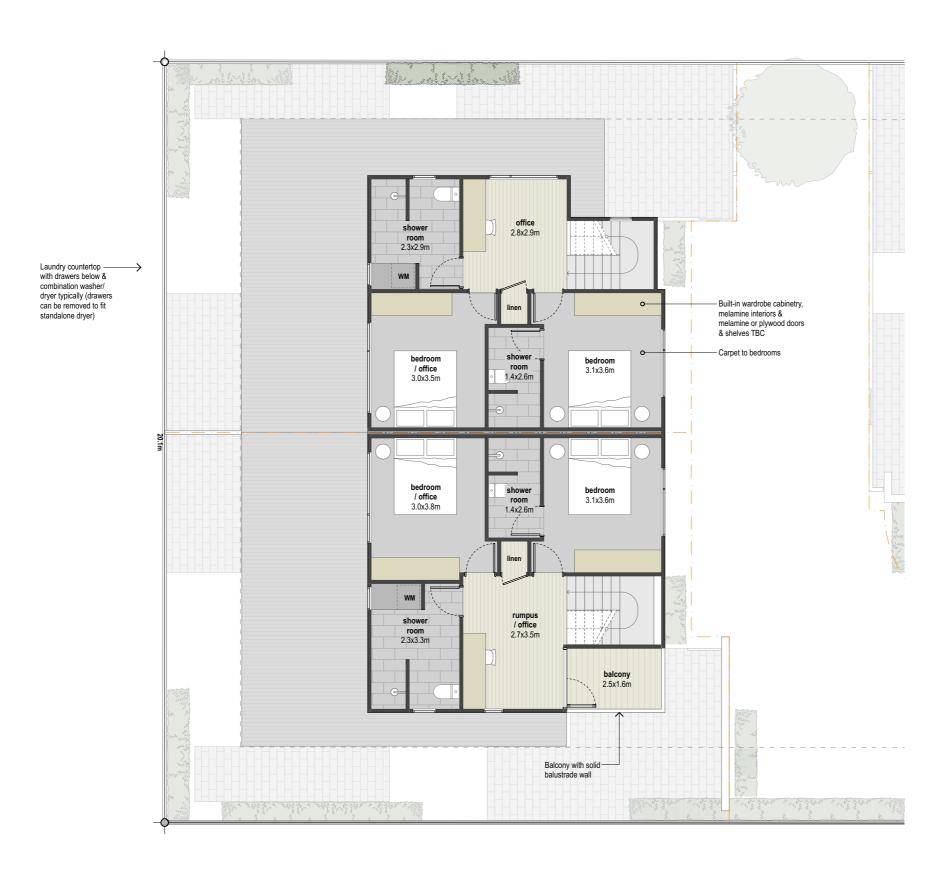
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SOUTH ELEVATION (REAR DWELLINGS)

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WEST ELEVATION (REAR DWELLINGS)

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ELEVATIONS: Rear Dwellings

SK.24(C)
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PERSPECTIVE: Street-Facing (North) Elevation

SK.31(C)

Drawing issued: 12/02/21 Drawing scale:

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tartc c c e br c t br t t r e s PERSPECTIVE: Driveway Perspecitve from East

SK.33(C)

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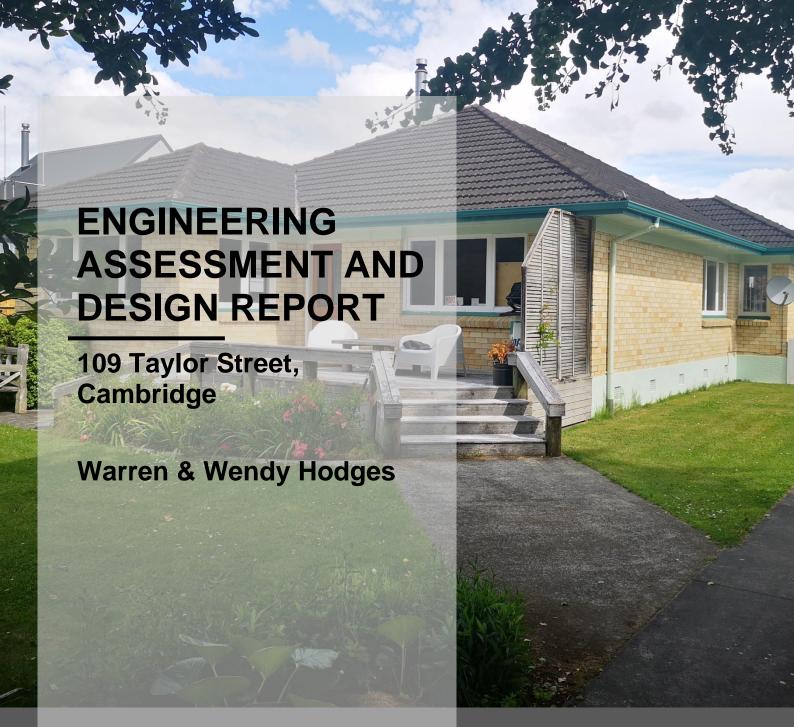
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25 FEBRUARY 2021

PROJECT NO. 11683

TITUS

CONSULTING ENGINEERS

Document Set ID: 10563218 Version: 1, Version Date: 26/02/2021

Approved for issue by:

X	
Anthony Richardson	CPEng 1026340
Principal Project Engineer	

DOCUMENT HISTORY AND STATUS

Rev.	Issued To	Date	Prepared	Reviewed	Approved
Α	Warren & Wendy Hodges	10/12/2020	НК	JV	TR
В	Warren & Wendy Hodges	25/02/2021	TG	МН	TR

RECORD OF REVISION CHANGES

Rev B: Section 2 Natural Hazard Assessment added

Titus Consulting Engineers

Level 3, Door 1, 169 London St, Hamilton, 3204

Ph: 07 242 0017

Email: office@tituscivil.co.nz

Version: 1, Version Date: 26/02/2021



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1 INTRODUCTION

1.1 Overview

Titus Consulting Engineers has been engaged by Warren & Wendy Hodges to perform an engineering assessment and design report for a proposed five-lot subdivision and future residential development at 109 Taylor Street.

The report includes the following;

- Section 2: Natural Hazard Assessment.
- Section 3: Three Waters Impact Assessment.
- Section 4: Stormwater Assessment and Design.

The assessments and design meet the requirements of the local authority, Waipa District Council, and the following technical documents;

- The building code
- NZS3604:2011
- District Plan
- Waikato Local Authority Shared Services (RITS)
- Waikato Regional Council Plan
- AS/NZS 1547/2012

1.2 Site Details

The site is located within Cambridge township. The site is currently an occupied residential lot with an existing dwelling and garage located on the lot. The site is bordered by other occupied residential lots with Taylor Street to the north. The area near the proposed foundation is flat.





Figure 1: Site Photo

1.3 Planning Requirements

The following requirements based on the Regional Council Plan, Consent Notices and Subdivisional Reports are noted, and have been duly considered in the proposed recommendations.

No consent notices or planning issues have been noted.

This report is subject to revision based on any unsighted planning requirements.

1.4 Existing Water Features

There are no significant water courses or gullies on the site.

1.5 Existing Services

GIS shows a 100mm water main that runs parallel with Taylor Street and a 20mm metered connection servicing the existing dwelling. A 150mm wastewater main runs along the southern boundary on the adjacent lot, however GIS shows no wastewater service pipe or



connection for the existing dwelling. GIS shows 2 stormwater pipes in the immediate area, however there is no connection that services the existing dwelling.

1.6 Historic Land Use

Through the use of retrolenz imagery it has been noted that this site has been a residential lot, this land use has been recorded since 1939.

1.7 New Zealand Geotechnical Database.

There are no relevant entries to this site on the New Zealand Geotechnical Database.

1.8 Soil Investigation

The site assessment conducted on 22nd of February 2021 included the following:

- General site walkover
- Hand Auger Tests: 2 (BH1 2nd December 2020, BH2 22nd February 2021)
- Scala Penetrometer Tests: 1
- Shear Vane Tests: 6
- Soakage Test: 1 (tested 2nd December 2020)

Test locations are shown in Appendix A.

Topsoil was found to be 200mm in depth. Underlying soils consist predominantly of sand. Overall, the boreholes showed a layer of silt with minor sand and minor clay to a depth of 800mm. The subsequent layers consist of sandy silt, fine sand with minor to some silt, silty fine sand, silt, and fine sand. Borehole logs are attached in Appendix B.

The ground water level was not found within 4.0m of the surface (tested 22nd February).

No soft clays were found on the site (kPa < 25).

No peat soils were found on the site.



2 NATURAL HAZARD ASSESSMENT

2.1 Potential Natural Hazards

The tables below summarise the preliminary assessment of the site for Natural Hazards in accordance with Section 106 of the Resource Management Act 1991 (RMA), including those in relation to seismic activity, liquefaction and the potential risks incurred by these events. The degree of damage incurred for each event is considered where no appropriate remedial actions are undertaken. The site risk potential for each natural hazard is interpreted by this preliminary assessment and is not necessarily conclusive.

Table 1: Natural Hazard Risk Matrix Key

DEGREE OF DAMAGE					
Negligible	Low	Medium	High	Critical	

Table 2: Proposed Site Natural Hazard Risk Assessment

LIKELIHOOD	POTENTIAL CONSEQUENCES								
LIKELIHOOD	None	Minor	Moderate	Severe					
Almost Certain									
Likely									
Possible									
Unlikely		Liquefaction Vertical settlements Underground services uplift	• Flooding						
Very Unlikely	Slope instability Tsunami	Lateral spreading	Volcanic eruption/ash fall						

The risk potential for Natural Hazards at the site is discussed in the following sections of this report.

2.2 Seismic Hazard

According to the GNS Science New Zealand Active Faults Database, the nearest known active fault is Kerepehi Fault to the north-east.

The Table below summarises the seismic parameters adopted for the site:



Table 3: Seismic parameters (NZTA Bridge Manual, Third Edition)

Importance Level 2							
Design Life:			50 Years				
Ground Acceleration	(SLS)		Ground Acceleration (ULS)				
Cambridge			Cambridge				
Class D			Class D				
1/25			1/500				
f	1.00		f	1.00			
R _u	0.25		R _u	1			
C _{0,1000}	0.32		C _{0,1000}	0.32			
M_{eff}	-		M_{eff}	5.9			
PGA, a _{max} (g)	0.06		PGA, a _{max} (g)	0.25			

2.3 Liquefaction Susceptibility

2.3.1 Underlying Geology

According to GNS (GNS Science, 2018), the underlying geology of the site is classified as (Late Pleistocene) river deposits (Hinuera Formation), as shown in Appendix C. The Late Pleistocene sediments are approximately up to 27,000 years old and are described as cross-bedded sands, gravels, silts with minor peat lenses (GNS Science, 2018).

The Subsoil Class (NZS 1170.5:2004) for this site is Class D (Jeong & Wotherspoon, 2019). (

2.3.2 Semi-quantitative Screening Criteria

The earthquake intensity and depth to groundwater in conjunction with the deposition type and age of the deposits of the site may be used to identify land where liquefaction damage at the surface is unlikely.

This geological screening criteria is shown in Table 1 below, reproduced from "Planning and engineering guidance for potentially liquefaction-prone land" by Ministry of Business, Innovation & Employment (MBIE 2017). Where either condition is met, the land may be assigned a vulnerability category of "Liquefaction Damage is Unlikely".



Table 4: Semi-quantitative screening criteria for identifying land where liquefaction-induced ground surface damage is unlikely

	A LIQUEFACTION VULNERABILITY CATEGORY OF LIQUEFACTION DAMAGE IS UNLIKELY CAN BE ASSIGNED IF EITHER OF THESE CONDITIONS IS MET:				
TYPE OF SOIL DEPOSIT	DESIGN PEAK GROUND ACCELERATION (PGA) FOR 500-YEAR INTENSITY OF EARTHQUAKE SHAKING ¹	DEPTH TO GROUNDWATER ²			
Late Holocene age Current river channels and their historical floodplains, marshes and estuaries, reclamation fills	Less than 0.1 g ³	More than 8 m			
Holocene age Less than 11,000 years old	Less than 0.2 g	More than 6 m			
Latest Pleistocene age Between 11,000 and 15,000 years old	Less than 0.3 g	More than 4 m			

Notes:

- 1 The listed PGA values correspond to a magnitude 7.5 earthquake. For screening purposes using this table, earthquake scenarios with different magnitudes may be scaled using the magnitude scaling factor (MSF) proposed by Idriss and Boulanger (2008): MSF = [6.9 exp (-M/4) 0.058], up to a maximum value of 1.8.
- 2 For screening purposes using this table, a high groundwater scenario should be assumed (eg a typical seasonal high groundwater level).
- 3 For many types of late Holocene age deposits (and especially reclamation fills), if liquefaction is triggered then Moderate to Severe ground damage often results. Therefore careful consideration should be given to the uncertainties in the seismic hazard estimate before screening out these soils on the basis of the expected intensity of earthquake shaking. It is important to understand the potential consequences if earthquake shaking is stronger than expected.

Table 3 in Section 2.2 shows the design Peak Ground Accelerations for the SLS & ULS events for an Importance Level 2 structure as defined by NZS:1170.0:2002.

The PGA of 0.25g shown in Table 3 corresponds to an Effective Magnitude of 5.9. Therefore, the magnitude scaling factor (MSF) proposed by Idriss and Boulanger (2008) shall be applied to calculate $PGA_{7.5}$. The design $PGA_{7.5}$ value is shown in Table 5.

$$MSF = \left[6.9 \exp\left(-\frac{M}{4}\right) - 0.058\right] \le 1.8$$
 (1)

$$PGA_{7.5} = \frac{PGA}{MSF} \tag{2}$$

Table 5: Magnitude-corrected Peak Ground Acceleration

PGA _{5.9}	MSF	PGA _{7.5}
0.25g	1.52	0.16g

Therefore, the site may be categorised as "Liquefaction Damage is Unlikely" due to either the PGA_{7.5} or the high seasonal groundwater depth meeting the criteria shown in Table 4.



2.4 Slope stability

The slope on site complies with clause 3.1.2 (b) of NZS 3604:2011 with respect to building foundations located near the top of a bank, these include "The horizontal distance (H) from the top to the bottom shall not exceed 3 m." and "The slope beyond the bank shall not exceed 5° for a distance of 10 m.". As such no further slope stability analysis is required.

Any cut to fill earthworks required to establish a suitable building platform shall be specifically designed.

2.5 Volcanic Eruption

According to GNS Science Volcano Geology and Hazards in New Zealand the nearest active volcanos are Auckland Volcanic Field, Ruapehu, and Mayor Island, located within 150km of the site. Auckland Volcanic Field and Mayor Island are at Alert Level 0. Mt Ruapehu is at Alert Level 1. It is considered that there is no volcanic unrest at Auckland Volcanic Field and Mayor Island and minor volcanic unrest at Mt Ruapehu.

2.6 Flooding

Council planning maps show no ponding or flooding in the area.

2.7 Tsunami

Land damage due to tsunami or coastal processes is not expected at this location.



3 THREE WATERS IMPACT ASSESSMENT

3.1 Water Supply Assessment

3.1.1 Existing water supply

A 100mm water main runs parallel to Taylor Street. A 20mm metered connection services the existing dwelling, this branches off the 100mm water main. A fire hydrant is located approximately 20m north-east of the site.

3.1.2 Proposed Water Supply

Council shall confirm that adequate capacity is available from the existing 100mm water main to service the proposed dwellings. A 63mm DN50 rider main shall be branched of the principal water main. The rider main shall be located along the ROW. All Dwellings shall have a service pipe with an individual manifold box. A flushing valve shall be installed at the end of rider main. The proposed units shall have connections as per RITS D6.10, refer to Appendix E for pipe connections.

3.2 Wastewater Assessment

3.2.1 Existing Wastewater supply

According to Waipa Council GIS an existing 150mm wastewater main runs along the southern boundary on the adjacent lot. There is no wastewater service pipe to the existing dwelling according to GIS, however there would be an existing pipe servicing the existing dwelling.

3.2.2 Proposed Wastewater System

It is recommended that the 150mm wastewater main running adjacent to the property is confirmed by Council to have sufficient capacity. A new 150mm pipe connection will be required to service the dwellings.

A manhole should be utilised as a collection point prior to discharge to the 150mm wastewater main. Refer to Appendix F for pipe connections.

3.3 Stormwater Assessment

3.3.1 Existing Stormwater Services

An existing 400mm stormwater pipe runs parallel to Taylor Street, this pipe collects stormwater runoff from the road via catchpits. Another 375mm stormwater pipe runs close to the western boundary on the adjacent lot. This pipe connects to other stormwater networks located on Constance Place.

No stormwater mitigation devices were noted to be servicing the existing dwelling. All existing stormwater runoff from the existing impermeable surfaces is assumed to be released into underground soak holes since no kerb collectors were visible.



3.3.2 Stormwater Management Guidelines

Stormwater management has been considered with respect to the Regional Infrastructure Technical Specifications (RITS) and the Waikato Region Council (WRC) Plan rules. Further design shall also meet the requirements stated by the RITS and WRC Plan rules.

The proposed site does not fall within any completed or ongoing ICMP. There is no downstream stormwater management device in place.

The receiving environment includes a Lake as defined in Table 4.5 of the RITS. The management objectives for the site includes the following;

Water Quality: Stormwater quality shall be provided for a third of the 2-year ARI (24hr) (with climate change).

Water Quantity: Flow attenuation required as per Table 4-3, designed for the 2 and 10-year ARI design storms.

Flood Control: Not required.

Extended Detention: Not required.

Overland Flow: To provide an approved stormwater outfall for all secondary flows. The secondary overland flow path shall be designed to cater for the 100yr ARI.

3.3.3 Proposed Stormwater System

As per Section 3.



4 STORMWATER ASSESSMENT AND DESIGN

4.1 Design Parameters

• Lot Size: 1,012m²

• Proposed roof area: 370m²

• Land is sloping: Towards the road

Design storms:

Primary: 10yr ARISecondary: 100yr ARI

Rainfall data: HIRDS 24-hour stormClimate change: 2.1 degrees warming

 Soakage rate: 750mm/hr was adopted since the borehole could not be filled to the surface with 40 minutes of constant filling

• Water table was not found within 2.0m of the surface

Figure 2, below summarises the catchment characteristics that have been adopted.

SOAKAGE DESIGN CALO	AKAGE DESIGN CALCULATIONS AND OUTPUTS						
					Existing	Input /	'Select
Rainfall Locati	on	Event	ARI		Proposed Answer		
Cambridge		Primary	10				
Cambridge		Secondary	100	Exist	Existing Catchment Characteristics,		
		Concentration (Tc)					
Catchment	Area	(m2)	sed C	Averag	ge grassed surfac	e	0.045
	Existing	Proposed		Length	Length of flow path (m)		
Grass	866		0.30	Slope	(%)		2.00
Roof		370	0.95		Tc (min)		11.38
Concrete		496	0.90				
Gravel			0.70		Existing Q(max)	(I/s)	5.81
Other			-		(interpolated wrt Tc)		5.81
TOTAL	866	866			Adopted Soakage rate		750
Composite C	0.3	0.92			(mm/hr)		/50
Adopted C	0.30	0.92					

Figure 2: Stormwater Design Parameters

4.2 Design Results

4.2.1 Soakage Trench

It is proposed that a soakage trench is constructed to enable disposal of water from all the impermeable areas to ground during the design storm. Catchpits should be installed in the sealed areas and be piped to the soakage trench.

All roof water should be routed to the soakage trench. The overflow from the soakage trench will bubble up in the driveway which should be sloping towards the public road to enable flow to the nearby catchpit.



The driveway areas shall be sloped towards the catchpits, with a low point at the centre of the driveway. The driveway shall also slope longitudinally towards the road. All downpipes shall be directed to a catchpit or sump before released to the soakage trench.

The soakage trench can either be constructed with 40-60mm clean rock or proprietary stormwater crates as follows:

- A rock filled trench shall be **1.0**m deep and a minimum of **29.0**m² in plan area.
- A proprietary crate system shall be **0.86**m deep (2 layers) and a minimum of **19.3**m² in plan area.

The location of the **rock filled trench** underneath paved trafficable areas (for domestic residential driveways only) is acceptable given that an adequate pavement as described below is constructed in areas where vehicle loads are expected over the soakage trench, extending a minimum of 1.5m wider than the trench extents:

- Base Material: (Fill over top of soakage trench) 200mm GAP 40 compacted to 102%
 RDD
- Surface 125mm Concrete 25Mpa with SE62 Steel reinforcing Mesh on 50mm chairs
- Sawcuts at a maximum 6m spacing, as per NZS 3604 Cl. 7.5.8.6.4 are to be provided

Subsurface water drains shall be sized in accordance with Acceptable Solutions and Verification Methods for New Zealand Building Code Clause E1 Surface Water (E1/AS1) Section 3.

4.2.2 Secondary flow path

The stormwater runoff from impermeable surfaces has been designed to be routed via the soakage trench, the overflow from these devices shall discharge via a bubble up at driveway and flow to the public road.

4.3 Operation and maintenance

It is recommended that first flush devices are installed upstream of the soakage trench and that these devices are regularly checked and cleaned along with the catchpits and overflow pipes.

4.4 Construction Monitoring

Titus Consulting Engineers have been engaged to perform inspections of the storm water system during construction.



5 LIMITATIONS

This report does not assess risk of contamination of soils. This report does not provide; a foundation design, an assessment of flood risk or a FFL recommendation.

Testing portrays a limited percentage of ground conditions at 109 Taylor Street, and may not be representative of all soils present on site.

Assessment of the water table depth and moisture content is subject to seasonal variation.

During excavation and construction, the site should be examined by a suitably qualified engineer in order to assess whether the exposed subsoils are compatible with the inferred soil conditions on which the recommendations have been based and potentially further investigation and design rationalisation may be required.

This report has been prepared solely for Warren & Wendy Hodges, its professional advisors and local authorities in relation to 109 Taylor Street. No liability is accepted for its use for any other purpose or by any other entity. Reliance by other parties or future owners of the property on the information or opinions contained in the report shall be verified with Titus Consulting Engineers.

Should you be in any doubt as to the recommendations of this report it is essential that you discuss these issues with Titus Consulting Engineers prior to proceeding with any work based on this report.



APPENDICES

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APPENDIX A - Proposed Site Layout Plan



+64(0)7 242 0017



APPENDIX B - Soil Investigation Bore Logs

T	ΙT	˙ U	S		Log:	
Address:	CON	ISULTING EN 09 Taylor S			ВН	1
Date: Testers:	02 H	2/12/2020 K			Project №:	11683
Water Table:	Depth (mm):	Graphic Log:	Material Description:	Blows /100mm: 5 10 15	Shear Stren	
Not Found	-100 -100 -100 -100 -100 -100 -100 -1100	**************************************	SILT with minor sand and clay, brownish yellow, low plasticity, moist Medium SAND, brownish grey, poorly graded, moist Fine SAND with some silt, brownish grey, well graded, moist SILT, grey, low plasticity, moist			Jeun Sensitivity.
TITLIO ON III	- 2100					

office@tituscivil.co.nz

TITUS CIVIL



TITUS

CONSULTING ENGINEERS

Address: 109 Taylor Street Cambridge

Date: 02/12/2020

Project №: 11683

Testers: ToyG Water Depth Graphic Blows /100mm: Shear Strength (kPa): Material Description: Table (mm): Undrained Topsoil 0 0 200 0 SILT with minor sand, brownish yellow, 7 213 43 5 **-**400 low plasticity, dry to moist, very stiff 8 7 600 9 6 800 5 3 Sandy SILT, brownish yellow, low 134 52 2.6 plasticity, moist, stiff 1000 Fine SAND with minor silt, brownish grey and yellow, well graded, moist, 1200 Silty fine SAND, light brownish greyish 76 40 1.9 1400 yellow, well graded, moist to wet, loose to medium dense 1600 1800 143 40 3.6 Not Found 4 2000 SILT, light brownish grey, low plasticity, 122 46 2.7 moist, interbedded layers of silty fine 4 2200 sand, stiff to very stiff 5 5 2400 8 6 168 73 2.3 2600 6 Fine SAND, brownish grey, poorly 2800 graded, moist to wet, medium dense 9 3000 8 10 3200 3400 3600 3800 4000 End of Borehole @4000mm



APPENDIX C – Underlying Geology





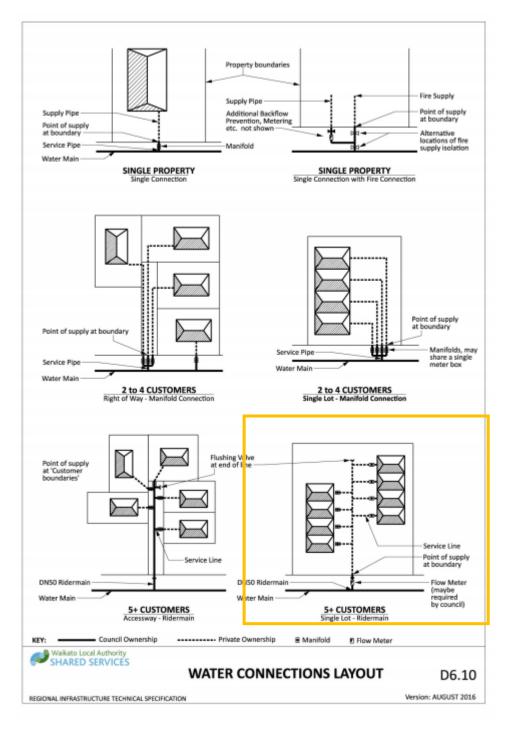
APPENDIX D - Calculation Sheet

	COLATIONS	AND OUTPU		1		• • • •	1	/ C - l+		
Dainfall Land		l	ADI			sting		[/] Select		
Rainfall Locat	ion	Event	ARI		Prop	osed	Ans	swer		
Cambridge	2	Primary	10							
		Secondary	100		Existing C		haracteristic	s, Time of		
		/ 2)			A		ration (Tc)	0.045		
Catchment		(m2)	С			assed surface		0.045		
	Existing	Proposed	0.20			ow path (m)		20.00		
Grass	866	270	0.30		Slope (%)	- / · ›		2.00		
Roof		370	0.95			Tc (min)	1	11.38		
Concrete		496	0.90			0/)	(1.1.)			
Gravel			0.70			ting Q(max)		5.81		
Other	200	200	-		· ·	erpolated w				
TOTAL	866	866			Adop	oted Soakage	e rate	750		
Composite C	0.3	0.92				(mm/hr)				
Adopted C	0.30	0.92								
A DI	10									
ARI	10	30	20	60	120	200	720	1440	2000	4220
Duration(min)	10	20	30	60	120	360	720	1440	2880	4320
Delta t (min)	10	10	30	60	240	360	720	1440	1440	
Delta Q (I/s)	-1.8	-0.8	-1.0	-0.8	-0.8	-0.3	-0.2	-0.1	-0.1	2.0
Intensity	84.0	58.5	47.2	32.8	21.4	10.8	7.1	4.6	2.7	2.0
Intensity CC	98.4	68.1	54.8	37.9	24.6	12.4	8.0	5.2	3.1	2.2
Existing Q (I/s)	6.1	4.2	3.4	2.4	1.5	0.8	0.5	0.3	0.2	0.1
Proposed Q (I/s)	21.8	15.1	12.1	8.4	5.5	2.7	1.8	1.2	0.7	0.5
ARI	10									
Duration	10m	20m	30m	60m	2h	6h	12h	24h	48h	72h
Depth EX	14.0	19.5	23.6	32.8	42.7	65.0	84.7	110.4	130.0	143.1
Depth CC	16.4	22.7	27.4	37.9	49.2	74.3	96.3	125.0	146.7	160.8
Existing Vol m3	3.6	5.1	6.1	8.5	11.1	16.9	22.0	28.7	33.8	37.2
Proposed Vol m3	13.1	18.1	21.9	30.2	39.3	59.3	76.8	99.7	117.1	128.3
Toposcu vorins	13.1	10.1	21.3	30.2	33.3	33.3	70.0	33.7	117.1	120.5
Soakage - Clean Rock										
Depth	1	Voids	0.38							
 Duration	10m	20m	30m	60m	2h	6h	12h	24h	48h	72h
Vsoak /m2	0.13	0.25	0.38	0.75	1.50	4.50	9.00	18.00	36.00	54.00
Vstore /m2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Vtotal /m2	0.5	0.6	0.8	1.1	1.9	4.9	9.4	18.4	36.4	54.4
Trench size m2	25.9	28.7	29.0	26.8	20.9	12.1	8.2	5.4	3.2	2.4
Soakage - SW Crates										
Depth	0.86	Voids	0.95	No. layers	2					
Duration	10m	20m	30m	60m	2h	6h	12h	24h	48h	72h
Vsoak /m2	0.13	0.25	0.38	0.75	1.50	4.50	9.00	18.00	36.00	54.00
Vstore /m2	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Vtotal /m2	0.9	1.1	1.2	1.6	2.3	5.3	9.8	18.8	36.8	54.8
Trench size m2	13.9	17.0	18.3	19.3	16.9	11.1	7.8	5.3	3.2	2.3

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APPENDIX E – Water supply layout (RITS D6.10)



Drawing 6-10: Water connections layout



Sewer Main Point of discharge at the connection stub. See D5.4 Property boundaries Service Pipe Property boundaries Service Pipe Point of discharge at boundary SINGLE PROPERTY Single Connection - Outside Pr SINGLE PROPERTY Point of discharge at the connection stub. See D5.4 Manhole required for inspections/clearing of blockages Point of discharge at the serviced properties boundaries de-commisioned, as services cannot run underneath buildings Point of discharge at the serviced properties boundaries 5+ CUSTOMERS SUBDIVISION Manhole required for inspections/clearing of blockages If greater than 120m, then another manhole is required 5+ CUSTOMERS - Council Ownership -- Private Ownership KEY: Wakato Local Authority SHARED SERVICES WASTEWATER CONNECTIONS LAYOUT D5.22 Version: AUGUST 2016 REGIONAL INFRASTRUCTURE TECHNICAL SPECIFICATION

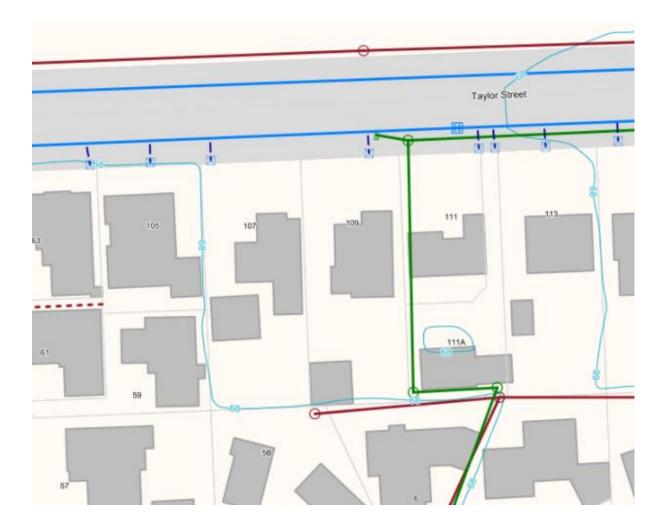
APPENDIX F – Wastewater Supply Layout (RITS D5.22)

Drawing 5-22: Wastewater connections layout

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APPENDIX G – WDC Utilities Map





APPENDIX H - Typical Details

Attached separately

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Waipa District Plan Rules Assessment

Rule	Complies	Comments
Section 15: Infrastructure, Hazards, Development and Subdivision		
Activity Status		
15.4.1.1 (e) Subdivision that meets all the performance rules in Part A OR; Part A and Part C for 7 or more lots. (Part A: Development and subdivision Part C: Development and subdivision of 7 or more lots in any zone.): RD for all zones, except NC for Deferred Zones and NA for Airport Business Zone	No	The subdivision fails to comply the performance standards outlined in this provision, thus defaults to a Non-Complying Activity.
Design and Layout	•	
15.4.2.1 Net lot area rules All new lots shall comply with the following minimum net lot areas: (a) Residential Zone – 500m ² (b) Residential Zone Compact Housing – Refer to Rule 2.4.2.43	No	The District Plan is silent on the minimum lot size requirements for Compact Housing, as such the proposal needs to comply with the minimum requirements for the Residential Zone. The proposal fails to comply with the 500m ² minimum, thus needs to be assessed as a Non-Complying Activity.
15.4.2.3 Lot frontage, lot shape factor and vehicle crossings All lots shall comply with the following: Residential, except front lots of entrance corridors Lot frontage (excluding rear lots): 20m Lot shape factor: 13m diameter circle Vehicle Crossing minimum to maximum: 3m to 5.5m	Yes	Lot 1 has a frontage of 15.1m. The proposal is for a residential development designed comprehensively therefore the shape factor circle is not relevant.
15.4.2.4 Minimum width of vehicle access to rear lots Access to rear lots shall comply with the following minimum widths.	No	Lots 2-5 are rear lots and are accessed through the shared accessway which has a width of 4m. Discretionary Activity
Residential: 4-6 lots: 6m		Discretionally Activity
15.4.2.5 Lot design Each new lot created shall be able to incorporate the lot shape factor in a position which does not encroach on any building setback or easement requirement.	n/a	The lot shape factor circle is not relevant, as identified above.
15.4.2.6 Lot design Subdivision within the urban limits, and any Large Lot Residential Zone shall not create more than two rear lots, unless provided for by Rule 15.4.2.64.	No	Four rear lots are proposed. Discretionary Activity
15.4.2.7 Lot design New residential and large lot residential lots, other than corner lots, shall have frontage to only one road or street.	Yes	The development will have frontage to Taylor Street.



15.4.2.8 Lot design	n/a	n/a
In any zone where lots are to be prevented from obtaining direct access to an adjacent road an access		
denial or segregation strip shall be vested in Council. The performance standards for development and		
subdivision in the underlying zone do not apply to lots created for the purpose of access denial or		
segregation.		
15.4.2.9 Lot design	n/a	n/a
Any new Lot created must be able to accommodate all buildings outside of the Root Protection Zone of a		
protected tree whether the protected tree is on the new lot or on an adjacent site.		
15.4.2.11 Design and layout of development and subdivision adjoining water bodies and reserves	n/a	There are no water bodies/reserves adjoining the subdivision
Within the urban limits and the Large Lot Residential Zone, the design and layout of subdivisions shall		
ensure that water bodies and reserves are fronted by either roads or the front or side boundary of a lot.		
Development should front natural features such as water bodies and reserves.		
15.4.2.12 Lots within areas of high value amenity landscapes, viewshafts, river and lake environs,	n/a	n/a
significant natural features and landscapes and visually sensitive hill country	.,, -	1,7
Where new lots are to be created within high amenity landscapes, viewshafts, river and lake		
environs, significant natural features, and visually sensitive hill country, as identified on the		
Planning Maps, then the following shall apply:		
(a) Power and telephone services shall be provided underground; and		
(b) The subdivision plan shall define the building platform and associated access		
alignment on each lot. The building platform shall be located so that at the time of		
building construction no part of any complying building will extend above the ridgeline		
nearest to the building platform, when viewed from a public place; and		
(c) The building platform, roads, and accessways shall minimize intrusion into the		
landscape, or viewshaft; and		
(d) Access to the building site must follow the contour of the land.		
Site Suitability & Hazards	<u> </u>	



15.4.2.13 Site Suitability & Hazards: Site Suitability: General	Yes	The development is able to connect to Councils reticulated
Subdivision and development shall have a defined building platform in a complying location that is capable		infrastructure.
of being serviced to the requirements of the zone.		
15.4.2.14 Site Suitability & Hazards: Site Suitability: within or adjoining a Flood Hazard Area	n/a	The site is not located within a Flood Hazard Overlay
Subdivision and Development within or adjoining a Flood Hazard Area identified on the Planning Maps, or		
as shown on the Houchens Road Large Lot Residential Structure Plan at Appendix S13, shall have building		
platforms in a complying location that can achieve a minimum free-board level 500mm above the 1% AEP		
(100 year flood level).		
15.4.2.15 Site Suitability & Hazards: Site Suitability: within or adjoining a Flood Hazard Area	n/a	As above
No subdivision and development shall occur within a High Risk Flood Zone.		
15.4.2.16 Infrastructure and Services: Rule – Infrastructure servicing in all zones	Yes	All lots are able to connect to the appropriate infrastructure.
All lots in a subdivision and any sites in a development shall be connected to the following infrastructure		
services:		
(a) Formed public road or new road; and		
(b) Electricity; and		
(c) Telecommunications; and		
(d) Fibre optic cable.		
15.4.2.17 Design, location and maintenance of services in infill development	Yes	All lots will be serviced as per the requirements of the Residential
Where more than one serviced building (excluding accessory buildings) is erected on a site, all services shall		Zone.
be provided to each building as if the site was being subdivided to create separate titles for each serviced		
building.		
15.4.2.18 Additional infrastructure servicing for the Residential, Commercial and Industrial Zones within	Yes	As above
the urban limits		
All lots in a subdivision and any sites in a development in the Residential, Commercial and Industrial Zones		
within the urban limits shall be connected to the following Council infrastructure services:		
(a) Wastewater reticulation and treatment; and		
(b) Water supply for domestic, or industrial, or commercial activity; and		
(c) Water supply for firefighting purposes.		
15.4.2.19 Additional infrastructure servicing for the Residential, Commercial and Industrial Zones within	Yes	As above
the urban limits		
Any proposed connection to the mains water supply shall be located in the berm adjacent to the building it		
is supplying and not require crossing under road carriageways.		
15.4.2.20 Additional infrastructure servicing for the Residential, Commercial and Industrial Zones within	Yes	A site suitability report has been attached with the resource consent
the urban limits		application that identifies how stormwater can be disposed of.



Within the urban limits, all lots in a subdivision and any sites in a development in the Residential,		
Commercial and Industrial Zones shall:		
(a) Dispose of stormwater generated from within roads, reserves, and any lot to be vested in		
Council, into Council's reticulation system at pre development levels; and		
(b) Dispose of all stormwater generated from lots not to be vested in Council within the		
boundaries of the lot itself.		
(c) Except that (a) and (b) above shall not apply to the C1 and C2/C3 growth cells where regional		
and/or district resource consents for the overall structure plan stormwater system provide for		
alternative means of stormwater management and disposal. For the avoidance of doubt, on-site		
soakage within the C3 cell is not anticipated due to the risk of exacerbating slope stability issues.		
Alternative methods of stormwater management will need to be demonstrated for the C3 cell.		
Swales can provide a sustainable option to traditional kerb and channel drainage, and can contribute to both the ecological diversity and aesthetic values of the neighbourhood.		
15.4.2.21 When infrastructure services are not provided by Council	n/a	Reticulated infrastructures is available in the area.
Where wastewater treatment and disposal services are not provided by Council:		
(a) Every Lot shall be of sufficient size to contain within the lot boundaries the treatment and		
disposal of wastewater resulting from any future permitted development; and		
(b) The wastewater treatment and disposal services shall be set back 23m from any water body.		
15.4.2.22 When infrastructure services are not provided by Council	n/a	As above
Where water is not supplied by Council each lot shall provide:		
(a) An independent potable water supply sufficient for activities permitted on the site.; and		
(b) Access to an adequate water supply for firefighting purposes.		
15.4.2.23 Wastewater disposal	n/a	As above
The design (including design life) and construction of wastewater treatment and disposal facilities shall		



ensure adequate provision is made to meet public health standards, eliminate the ingress of stormwater		
and groundwater, and avoid the occurrence of system surcharging or overflow.		
Part B: Development and subdivision for specific activities		
15.4.2.59 Esplanade strips	n/a	The site does not adjoin a waterway.
Where land adjoins a river or lake which is not listed in Rules 15.4.2.56 and 15.4.2.57, Council may require		
as a condition of consent, that an esplanade strip under Section 232 of the Resource Management Act 1991		
be created.		
15.4.2.60 Stopped roads to be esplanade reserves or access strips	n/a	As above
The provisions of Section 345(3) of the Local Government Act 1974 will apply where any road which is		
stopped pursuant to the provisions of the Local Government Act 1974 or the Public Works Act 1981 is		
located within a Large Lot Residential Zone or within any other zone or		
(a) Adjoining a stream, river or lake identified in Rules 15.4.2.56 to 15.4.2.58; or		
(b) Shown on the Planning Maps as requiring an esplanade reserve, esplanade strip or access		
strip; or		
(c) Stopped road that adjoins any existing marginal strip or esplanade reserve or esplanade strip		
or land used for public purposes.		
And		
Rule 15.4.2.55 will apply.		
For the avoidance of doubt Section 345(3) of the Local Government Act 1974 shall not apply to		
any road which is stopped pursuant to the provision of the Local Government Act 1974 or the		
Public Works Act 1981 when:		
(i) The road adjoins a stream, river or lake not identified in the rules or shown on the		
Planning Maps as requiring an esplanade reserve, esplanade strip or access strip to be		
set aside; and		
(ii) Is within the Rural Zone.		
15.4.2.61 Development within a Deferred Zone	n/a	The development is situated in the Residential Zone
No development or subdivisions shall occur unless a structure plan for the comprehensive and integrated		
development of the zone has been approved by Council and incorporated into the District Plan by way of a		
plan change or approved by way of a resource consent.		
15.4.2.62 Comprehensive Development Subdivision within the C1 and C2/C3 Structure Plan areas	n/a	The development is not situated within the C1 or C2/C3 Structure
Any Comprehensive Residential Subdivision within the C1 and C2/C3 Structure Plan areas (as described		Plan areas
within the relevant Structure Plan) shall comply with the following standards (in addition to the relevant		
performance standards):		
(a) Be applied to an area of land within the overall structure plan area within common ownership		
and/or control of the applicants.		



 (b) Through an appropriate concept plan for the entire Comprehensive Residential Subdivision development area identified, demonstrate how development will achieve a minimum density of 12.5 dwelling per hectare net as set out in the Structure Plan over the course of a staged development in accordance with Rule 15.4.2.1(ad). (c) Provide a minimum 2.5% net residential land area or 2,000m2 (whichever is larger) of the overall comprehensive residential development area as 'compact housing'. 		
For avoidance of doubt, all other relevant performance standards within Part A, C and D of this section shall		
continue to apply.		
Section 2: Residential Zone		
2.4.1.3(b) Activity Status	No	The proposal is to construct a five-unit compact housing
Compact housing seven or more dwellings per site located within the compact housing overlay		development
Performance Standards		
2.4.2.1 Minimum building setback from road boundaries	Yes	The proposed houses will be located a minimum of 4m from the
The minimum building setback from road boundaries shall be 4m, provided that where a garage is attached		road boundary. Lots 4 and 5 have garages which form the front
to a dwelling, and forms part of the front façade of that dwelling, or is detached from a dwelling, the		façade of the dwelling and will be setback more than 5m from the
minimum setback for the garage shall be 5m, provided that this rule does not apply to the locations		road boundary.
specified in Rule 2.4.2.2.		
2.4.2.2 Minimum building setback from road boundaries	Yes	As above
The minimum building setback from road boundaries in the following locations are:		
(a) Along State Highways 7.5m		
(b) Along Hall Street, Cambridge 7.5m		
(c) Along roads within Character Areas 1 and 4 in the Cambridge Park Residential Area 3m		
(d) Along all roads marked as character streets on the Planning Maps 6m		
(e) Along roads located within the St Kilda Residential Area 5m		
(f) Compact housing and visitor accommodation within the C1 and C2/C3 Structure Plan areas 3m		
2.4.2.3 Design of building façade	Yes	Glazing will be in full compliance with the District Plan
Not more than 50% of the overall front façade of a building can consist of garaging, as measured from the		
inside internal walls of the garage. Where the garage is accessory to a dwelling but detached from the		
dwelling, not more than 50% of the combined front façades (of the dwelling and detached garage) can		
consist of garaging.		
2.4.2.4 Minimum building setback from internal site boundaries	Yes	The dwelling on Lot 1 and 2 will be located 1.5m from the internal
The minimum building setback from internal site boundaries shall be 2m, except in the following locations		western boundary. All other internal site boundaries will be at least
where the setback from all internal site boundaries shall be:		2m.
(a) Along Mc Nair Road on rear boundaries that adjoin lots to the north east of Lots 24-29, DPS		



4416 and Lot 1 DPS 15918: 5m		
(b) In the Residential Zone at Karāpiro, the minimum rear boundary for dwellings adjoining the		
Karāpiro and Arapuni Hydro Power Zone: 5m		
(c) In the St Kilda Structure Plan Area		
(i) From a side boundary 3m		
(ii) From a rear boundary 5m		
Provided that:		
(i) Other than in the locations listed above in 2.4.2.4(a) to (c), one internal setback per		
site may be reduced from 2m to 1.5m, provided that where an existing building on the		
site has an internal setback of 1.5m or less, the setback from the remaining internal site		
boundaries shall be at least 2m.		
(ii) The eaves of any building may encroach into the required setback by not more than		
600mm.		
(iii) In all locations, no building or eave shall encroach into any access, driveway, or		
other vehicle entrance.		
2.4.2.7 Maximum building length	Yes	The dwellings comply with the maximum building length
The maximum length of the wall and roofline of any building parallel or up to an angle of 30 degrees to any		requirements.
internal site boundary that adjoins the Residential Zone or the Reserves Zone shall be 23m, provided that:		
(a) Building lines in excess of 23m shall have the wall and roofline stepped to a minimum of 2.4m		
and a minimum length of 3m; and		
(b) For every additional 23m in length the wall and roofline of a building shall be stepped to a		
minimum of 2.4m and a minimum length of 3m.		
2.4.2.9 Maximum height	Yes	All dwellings comply with the maximum height requirements.
Buildings shall not exceed 9m in height and shall be no more than two storeys, provided that in		
the following locations the maximum height shall be:		
(a) Cambridge Park Residential Character Area 1 13m		
(b) Cambridge Park Residential Character Areas 2 and 3 10m		
(c) Cambridge Park Residential Character Area 4 5m		
(i) Provided that a chimney or similar architectural element or the peak of a roof structure, may		
project beyond this plane but by no more than 2m vertical		
(d) St Kilda Structure Plan Area 10m		
(e) Compact Housing Area 10m		
(f) Compact Housing Areas located within C1 and C2/C3 Structure Plan areas and a maximum of 3		
storeys 13m		
2.4.2.10 Daylight control	Yes	All dwellings are able to comply with the heigh recession plane

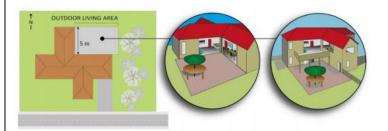


Buildings shall not penetrate a recession plane at right angles to the boundary inclined inwards at the angles shown in the diagram from 2.7m above ground level at internal site boundaries that adjoin the Residential Zone a reserve of less than 1ha in size, or a public walkway. The angles in the diagram below shall be applied using the methodology in Appendix O6. Provided that where an internal boundary of a site abuts a driveway or right of way the recession plane may be measured from points 2.7m above the furthest boundary of the drive way or right of way. Northern Southern HEIGHT RECESSION PLANES		requirements.
2.4.2.11 Maximum site coverage	n/a	Although site coverage are excluded for Compact Housing
Site coverage shall not exceed 40% of the net area of the site where no garage or carport has been provided		Developments
the maximum site coverage shall be reduced by 20m², provided that this rule does not apply to the St Kilda		
Structure Plan Area (refer to Rules 2.4.2.13 and 2.4.2.14) and compact housing (refer to Rule 2.4.2.43).		
2.4.2.12 Permeable surfaces	n/a	n/a
Each site shall be grassed, planted in trees and/or shrubs or otherwise landscaped in a manner that retains		
a minimum of 40% of the gross site area in permeable surfaces, provided that in the Cambridge North		
Structure Plan Area where 55% of the gross site area shall be retained in permeable surfaces. For the		
avoidance of doubt Rule 2.4.2.43 shall apply to any compact housing.		
2.4.2.18 Outdoor living area	n/a	n/a
Each dwelling shall have an outdoor living area which:		
(a) Is for exclusive use of the dwelling and is contained within the site on which the dwelling is		
located; and		
(b) Is free of buildings, driveways, manoeuvring areas, parking spaces, and outdoor storage areas,		
but may include covered or uncovered decks, roof overhangs, and pergolas and that are designed		
to provide cover for users of the outdoor living area; and		
(c) Is directly accessible from a living area of the dwelling; except where the outdoor living area		
complies with (g) below; and		
(d) Is located in the north, east or west of the site.		



- (e) Where a Principal Dwelling has a living area at Ground Level, it shall have a minimum continuous area of 60m² at ground level with a minimum dimension of 5m over the entire area.
- (f) Where a Principal Dwelling has the Living Area solely above ground level, part of the 60m2 outdoor living area requirement must comprise a balcony that is directly accessible from the living area with a minimum area of 8m2 and a minimum dimension of 2m. For the avoidance of doubt the remaining outdoor living area shall have a minimum dimension of 5m.
- (g) In the case of Secondary Dwellings, the outdoor living area shall be:
 - (i) Additional to the outdoor living area for the Principal Dwelling; and
 - (ii) A minimum of 35m² in a continuous area with a minimum dimension of 4m over the entire area.

Provided that this rule does not apply to compact housing developments, refer to Rule 2.4.2.43, or Rule 2.4.1.3(e) Retirement village accommodation and associated care facilities and rest homes within or outside the compact housing overlay identified on the Planning Maps.



2.4.2.19 Neighbourhood amenity and safety

The minimum area of glazing on the front façade(s) of a building that adjoins a public place shall be 15%. Provided that:

- (a) Where a site adjoins a public place, the front façade(s) of a building shall be all the sides of a building that faces the public place; and
- (b) Where the front façade(s) of a building is not parallel to a public place, the minimum area of glazing shall only apply to the longest wall facing the public place; and
- (c) Where the front façade(s) of a building is not parallel to a public place and the façades facing the public place are of equal length, then the façade at the least acute angle to the public place shall be deemed to be the front façade and the 15% glazing requirement shall only apply to that façade; and
- (d) The percentage area of glazing shall be measured as the framed wall opening size to accommodate the entire window.

Yes

Lot 1 is the only dwelling which has road frontage and is able to comply with the minimum 15% glazing requirements.

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(e) This rule shall not apply to relocated buildings.		
2.4.2.25 Noise	Yes	The development is residential in nature and will comply with the
Activities shall be conducted and buildings located, designed and used to ensure that they do not exceed		maximum noise level requirements.
the following noise limits at the boundary of the site:		
(a) Monday to Saturday - 7.00am to 10.00pm 50dBA (Leq)		
(b) Sundays & Public Holidays - 8.00am to 6.00pm 40dBA (Leq)		
(c) Sundays and Public Holidays - 8.00am to 8.00pm in Character Area 4 in the Cambridge Park		
Residential Zone 40dBA (Leq)		
(d) At all other times 40dBA (Leq)		
(e) Night time 10.00pm to 7.00am single noise event 70dBA (Lmax)		
Provided that this rule shall not apply to the use or testing of station and vehicle sirens or alarms used by		
emergency services.		
All noise levels shall be measured and assessed in accordance with the requirements of NZS 6801:2008 –		
Acoustics – Environmental Sound and assessed in accordance with NZS 6802:2008 – Acoustics –		
Environmental Noise.		
2.4.2.26 Vibration	Yes	Any vibrating emanating from the site will be limited to what occurs
Vibration emanating from a site shall meet the limits recommended in and be measured and assessed in		during the construction phase of the proposal. All vibration will be
accordance with New Zealand Standard NZS 4403:1996 Code of Practice for Storage, Handling, and Use of		compliant with this rule.
Explosives.		
2.4.2.27 Construction noise Construction noise emanating from a site shall meet the limits recommended in and be measured and	Yes	Any construction noise will be within the limits outlined in New Zealand Standard NZS 6803:1999 Acoustics – Construction Noise.
assessed in accordance with New Zealand Standard NZS 6803:1999 Acoustics – Construction Noise.		Zealand Standard NZS 6605.1999 Acoustics – Construction Noise.
2.4.2.34 Earthworks	Yes	Only minimal earthworks are required and will comply with the
Earthworks shall not exceed a total volume of 25m³ or a total area of 250m² in a single activity or in		maximum requirements
cumulative activities in any calendar year, provided that this rule shall not apply to earthworks incidental to		
an approved resource consent or building consent.		
2.4.2.43 Compact housing		
Compact housing within the compact housing area overlay shall have a minimum area of 2,000m ² and shall	No	The total site area is 1,012m ²
meet the following requirements:		
(a) The maximum length of unbroken building line parallel to all site boundaries including internal	yes	The exterior façade of the development has been 'broken'.
site boundaries shall be 20m. Building lines in excess of this standard shall be broken or stepped		
to a minimum depth of 2.4m and a minimum length of 3m at least once every 20m in length. This		
rule shall apply to each level of a multi-level building inclusive of the roof; and (b) Where there is more than one building on a site, it shall be separated from other buildings on the	n/a	After subdivision occurs, there will be only one building per sit
site by at least 3.5m; and	11/ 0	After Subdivision occurs, there will be only one building per sit
(c) Where any dwelling is to be sited within 10m of another dwelling on the same site or parent title		The development has been designed to ensure privacy through the
prior to subdivision by way of unit title, cross lease or strata title, there shall be no direct line of	No	layout of each dwelling as well as implementing appropriate



(d)	sight form the mai direct line of sight constructed or pla Dwellings shall hav front and rear of t	between ma inted to preve ve a dual aspe he dwelling, v	iin living are ent a direct ect with win with windov	as cannot be line of sight; dows being v sills no mo	e avoided, vis and placed so th re than 1m f	sual screenii at outlook is from floor le	g shall be obtained to the		screening between neighbouring dwellings. All outdoor living areas are positioned on the ground level in order to avoid a direct line of site into the neighbouring proprieties. However, Dwellings 3 and 4 have a direct line of sight between living areas, with a separation distance of 9.7m. However, they also have 1.8m-high garden fences
(e)	The following minimum gross floor areas and outdoor living areas shall apply: Dwelling Minimum Minimum Minimum Minimum Minimum Minimum								and a tree between them to reduce overlooking between the dwellings.
			outdoor	outdoor living area dimensions for ground level dwellings	outdoor living area for above ground level dwellings	outdoor		Yes	All dwellings are 3-bedroom dwellings and are able to comply with the minimum gross floor areas and outdoor living area dimensions. Refer to attached site plan as Appendix 2.
	Studio units and 1 bedroom unit	50m ²	20m²	4m	10m ²	2m			neter to accord site plan as repending.
	2 bedroom unit 3 bedroom unit	70m ² 95m ²	30m ²	4m 4m	12m ² 14m ²	2m 2m			
(f)	Landscaping and p shall be grassed, p the permeable nat	lanted in tree	es and/or sh					No	Permeable surfaces for each non-complying lot are as follows: • Lot 1 = 25.9% • Lot 2 = 4.5%
		ture or the su	ігтасе.						 Lot 3 = 13.5% Lot 4 = 12% Lot 5 = 13.5%
(g)	A communal outd	oor service ar	rea or storaę					n/a	• Lot 4 = 12%
(g)	of site area and it	oor service ar shall be scree	rea or storaę					n/a	 Lot 4 = 12% Lot 5 = 13.5% Each lot is provided with their own outdoor service area/storage court. No communal service areas are proposed. All dwellings will be provided with an outdoor living area that is
(g) (h)	of site area and it outdoor living are i. Be locate visual pr same sit ii. Be orien	oor service ar shall be scree as shall: ed and/or scr ivacy from th e and shall be ted to the no	rea or storagened so that reened so that re living rooi e screened f orth, east or	it is not visil nat at least 50 ms and outd from adjoining west of the	ble from the 0% of the ou loor living ar ng sites; and dwelling but	front bound utdoor living eas of other t not the sou		n/a Yes	 Lot 4 = 12% Lot 5 = 13.5% Each lot is provided with their own outdoor service area/storage court. No communal service areas are proposed.
(g) (h)	of site area and it outdoor living are i. Be locate visual pr same sit ii. Be orien measure Any communal ou	oor service ar shall be scree as shall: ed and/or scr ivacy from th e and shall be ted to the no ed from the so tdoor living a	rea or storagened so that reened so that living room e screened forth, east or outhernmosterea provide	it is not visil nat at least 5 ms and outd from adjoinir west of the st part of the d shall be in	ble from the 0% of the ou loor living ar ng sites; and dwelling but dwelling; ai	tront bound utdoor living eas of other t not the sound	ary of the site. area has complete dwellings on the th of east or west		 Lot 4 = 12% Lot 5 = 13.5% Each lot is provided with their own outdoor service area/storage court. No communal service areas are proposed. All dwellings will be provided with an outdoor living area that is oriented to the north, east or west and at least 50% of the area has
	of site area and it outdoor living are i. Be locate visual pr same sit ii. Be orien measure Any communal ou required outdoor	oor service ar shall be scree as shall: ed and/or scrivacy from the and shall be ted to the noed from the set tdoor living a following area fol	rea or storagened so that reened so that reeliving room e screened forth, east or outhernmosterea provide reach dwell	it is not visil nat at least 5 ms and outd from adjoinir west of the st part of the d shall be in ling; and	ble from the outloor living arng sites; and dwelling but addition to,	tront bound utdoor living eas of other t not the sound	ary of the site. area has complete dwellings on the th of east or west		 Lot 4 = 12% Lot 5 = 13.5% Each lot is provided with their own outdoor service area/storage court. No communal service areas are proposed. All dwellings will be provided with an outdoor living area that is oriented to the north, east or west and at least 50% of the area has complete privacy from nearby dwellings No communal outdoor living areas are provided
	of site area and it outdoor living are i. Be locate visual pr same sit ii. Be orien measure Any communal ou	oor service ar shall be scree as shall: ed and/or scrivacy from the and shall be ted to the noed from the setdoor living a living area for the forces at the forces.	rea or storagened so that reened so that reeliving room escreened forth, east or outhernmosterea provide reach dwell front of the pront	it is not visil at at least 5 ms and outd from adjoinir west of the at part of the d shall be in ling; and property; and	ble from the outloor living aring sites; and dwelling but addition to,	e front bound utdoor living eas of other t not the sou nd not in subst	ary of the site. area has complete dwellings on the th of east or west tution of, the	Yes	 Lot 4 = 12% Lot 5 = 13.5% Each lot is provided with their own outdoor service area/storage court. No communal service areas are proposed. All dwellings will be provided with an outdoor living area that is oriented to the north, east or west and at least 50% of the area has complete privacy from nearby dwellings



Transportation		
16.4.1.1(e) Activities generating 100 or more vehicle movements per day onto a State Highway or Major	n/a	
Arterial Road		
16.4.2.4 Vehicular access to sites in all zones	Yes	The new vehicle crossings will be constructed in accordance with the
		standards specified by Waipa District Council
16.4.2.5 Vehicle separation distance	Yes	The shared accessway is compliant with all minimum distances from
		an intersection or other vehicle entrance.
16.4.2.8 Vehicle access to compact housing development	Yes	Only one vehicle access is proposed to service the five lots
Compact housing development must only have one access point to a strategic road		
16.4.2.13-19 Parking loading and manoeuvring areas	Yes	Each dwelling is able to accommodate two car parking spaces with
		ample space to allow for on site manoeuvring to comply with
		requirements
16.4.2.24 Provision of bicycle parking facilities	n/a	
16.4.2.25 Provision of an integrated transportation assessment	n/a	There is no formal District Plan requirement of an ITA



Assessment Criteria

Assessment Criteria	Explanation	Criteria Met?
21.1.1.3 Visual (a) The extent to which the development effects the surrounding environment; particularly any identified character precinct areas, prominence of buildings and design elements in the proposal, and public places and roads (b) The scale, height, bulk, cross sectional area, colour, glazing reflectivity and texture of any buildings (c) The location, scale and nature of earthworks/excavations/spoil and vegetation removal/soil or spoil heaps (d) The extent of any light spill, light intensity and shadowing effects (e) The extent to which existing vegetation is retained to screen or soften visual effects (f) The extent and nature of landscape planting and rehabilitation proposed and whether this will remedy or mitigate the effects of the activity, including provision for on-going maintenance of planting	The proposal is consistent with the surrounding environment and will not diminish the character and amenity of the area. Landscaping has been implemented to soften the visual dominance of the buildings along with road frontage and the eastern side of the accessway.	Yes
21.1.1.4 Amenity values (a) The likely effects of the activity and associated land uses on any other activity in the vicinity by emission of noise, fumes, dust, smoke, glare or any other form of pollution (b) The degree to which there is a loss or privacy, daylight or sunlight in adjacent sites (c) The extent to which harmony of form, colour, texture and materials is present within individual developments (d) The extent to which solar potential, innovative aspect and design is optimized in the development (e) The scale and bulk of building(s) in relation to the site and adjoining neighbours (f) The built characteristics of the locality (g) The extent to which the road boundary setback is appropriate in the location (h) The extent of modification to the existing landform and the impact this will have on the character and amenity of the surrounding area (i) The ability to avoid, remedy or mitigate potential visual and amenity effects on sites in the vicinity	The design of the buildings is compatible with the surrounding environment and the proposal will modernise the character of the area. Despite the site being significantly smaller than what is provided for in the plan, each dwelling is of a sufficient size to provide future occupants with a high level of internal and external amenity.	Yes
21.1.1.6 Traffic (a) The impacts on the safe, efficient and effective provision of the transportation system including, but not limited to: i. Impacts on the road network and the effective operation of the road hierarchy; and ii. Infrastructure provision, including works needed to maintain the safety, efficiency and effectiveness of the transportation system such as any upgrades necessary to pedestrian and cycle facilities, intersections, pavements and structures on the system affected by the proposed activity; and iii. Timing and staging of development; and iv. Connectivity between adjacent areas of development (b) Whether sufficient provision has been made for alternative modes of transportation where this is available and practicable, including but not limited to: i. Public transport; and ii. Cycle and pedestrian movement; and iii. The establishment of cycleways, walkways and public transport stops; and iv. The establishment of cycle stands; and	The proposal is expected to generate under 100 vpd and any effects on the transport network are consistent with what has been anticipated within the Compact Housing Area overlay. As such, the proposal does not trigger the need for an ITA. The shared accessway is consistent with the relevant rules (other than minimum width) and is an adequate distance from intersections and other vehicle crossings as to not create any adverse effects on the functioning of the transport network.	Yes



٧.	Connectivity to alternative transport modes such as rail and air transport		
(c) The	extent to which the location of the activity on the site has given regard to:		
i.	The need for acceleration and deceleration lands; and		
ii.	The type, frequency and timing of traffic; and		
iii.	The safety of road users, cyclists and pedestrians; and		
iv.	The ability for access to roads other than arterial roads or State Highways; and		
٧.	The need for forming or upgrading roads and pavements potentially affected by the activity; and		
vi.	The need for additional maintenance, inspection or traffic monitoring; and		
vii.	The need for traffic control, including signs, signals and traffic islands; and		
viii.	The ability for parking and manoeuvring to be carried out on site		
(d) The	extent to which the location of the site accessway has given regard to:		
i.	Safety for vehicles, and pedestrians with particular regard to the effect on the safety and functioning of		
	the road and/or level crossing		
ii.	The practicality and adequacy of the proposed access having regard to the location, nature and operation		
	of the proposed activity and/or development		
(e) The	extent to which the location of the land use activity on the site has given regard to:		
i.	Visibility and sight distances particularly the extent to which vehicles entering or exiting the level crossing		
	are able to see trains		
ii.	The extent to which failure to provide adequate level crossing sightlines will give rise to level crossing		
	safety risks		
	Noise and vibration	The proposal is for a residential activity in the residential	
	extent to which the activity affects the existing ambient noise environment of the locality	zone. As such, any noise generated from the proposal	
	time and frequency that the activity occurs, duration of noise, and any special characteristics of the noise or	(other than temporary construction noise) will be	
	n and subsequent effects on health and safety, and on the amenity values of the surrounding environment	consistent with what is expected in the zone.	Yes
	effects on the environment from the maximum noise levels of the proposed activity, particularly at night		
	extent to which the noise adversely affects the amenity of the surrounding environment including		
	ive effects		
21.1.1.9	Convicing		
	· · · · · · · · · · · · · · · · · · ·	The site will be able to be serviced as per the	
	ncil shall consider the adequacy of the site and potential adverse effects from activities on sites not	The site will be able to be serviced as per the requirements of the District Plan	
	· · · · · · · · · · · · · · · · · · ·	•	
adequar	ncil shall consider the adequacy of the site and potential adverse effects from activities on sites not tely served by reticulated sewerage, potable water supply, authorised stormwater disposal systems or sealed and safe and effective vehicle access	•	
adequar	ncil shall consider the adequacy of the site and potential adverse effects from activities on sites not tely served by reticulated sewerage, potable water supply, authorised stormwater disposal systems or sealed	•	
roads ar (b) Whe can phy	ncil shall consider the adequacy of the site and potential adverse effects from activities on sites not tely served by reticulated sewerage, potable water supply, authorised stormwater disposal systems or sealed and safe and effective vehicle access where the site is suitable for any proposed wastewater treatment and disposal methods and whether the site sically accommodate the volume of wastes generated	•	
adequaroads are (b) Whe can phy	ncil shall consider the adequacy of the site and potential adverse effects from activities on sites not tely served by reticulated sewerage, potable water supply, authorised stormwater disposal systems or sealed and safe and effective vehicle access wither the site is suitable for any proposed wastewater treatment and disposal methods and whether the site sically accommodate the volume of wastes generated degree to which the activity will cause demand for the uneconomic or premature upgrading or extension of	•	
adequaroads at (b) Whe can phy (c) The control public s	ncil shall consider the adequacy of the site and potential adverse effects from activities on sites not tely served by reticulated sewerage, potable water supply, authorised stormwater disposal systems or sealed and safe and effective vehicle access other the site is suitable for any proposed wastewater treatment and disposal methods and whether the site sically accommodate the volume of wastes generated degree to which the activity will cause demand for the uneconomic or premature upgrading or extension of ervices (including roading) that are not in the interests of the District or locality	•	
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adequaroads are (b) Whe can phy (c) The public s (d) In ur effluent	ncil shall consider the adequacy of the site and potential adverse effects from activities on sites not tely served by reticulated sewerage, potable water supply, authorised stormwater disposal systems or sealed and safe and effective vehicle access other the site is suitable for any proposed wastewater treatment and disposal methods and whether the site sically accommodate the volume of wastes generated degree to which the activity will cause demand for the uneconomic or premature upgrading or extension of ervices (including roading) that are not in the interests of the District or locality in-reticulated areas, the extent to which the activity is self-contained with regard to stormwater drainage, a disposal and water supply within the boundaries of the site on which the activity is located	requirements of the District Plan	
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roads and (b) When can phy (c) The compublic so (d) In urneffluent 21.1.1.1 (a) The	ncil shall consider the adequacy of the site and potential adverse effects from activities on sites not tely served by reticulated sewerage, potable water supply, authorised stormwater disposal systems or sealed and safe and effective vehicle access other the site is suitable for any proposed wastewater treatment and disposal methods and whether the site sically accommodate the volume of wastes generated degree to which the activity will cause demand for the uneconomic or premature upgrading or extension of ervices (including roading) that are not in the interests of the District or locality in-reticulated areas, the extent to which the activity is self-contained with regard to stormwater drainage, a disposal and water supply within the boundaries of the site on which the activity is located	requirements of the District Plan	Yes



provide for convenient and safe movement without compromising security; and ii. Surveillance and Sightlines: See and Be Seen – Places where all publicly accessible spaces are overlooked and clear sightlines: A claim of the streetscape and the adjoining reserve to occur. iii. Layout: Clear and Logical Orientation – Places designed to discourage crime, enhance perception of safety and help orientation and way-finding; and iv. Activity Mix: Eyes on the Street – Places where the level of human activity is appropriate to the location and creates a reduced risk of crime and a sense of safety at all times by promoting a compatible mix of uses and increased use of public spaces; and v. Sense of Ownership: Showing a space is cared for – Places that promote a sense of ownership, respect, territorial responsibility and community; and vi. Quality Environments: Well Designed, Managed and Maintained Environments – Places that provide a quality environment and are designed with management and maintenance in mind to discourage crime and promote community safety in the present and the future 21.1.1.13 Social and Heritage (a) The likely impact of activities on social, recreational and heritage values, places of assembly, public reserves and adjoining the opposite side of Taylor Street) Yes	i. Access: Safe Movement and Connections – Places with well-defined routes, spaces and entrances that	to provide private for Let 1 while being open enough to	
iii. Layout: Clear and Logical Orientation – Places where all publicly accessible spaces are overlooked and clear sightlines and good lighting provide maximum visibility; and lit. Layout: Clear and Logical Orientation – Places designed to discourage crime, enhance perception of safety and help orientation and way-finding; and liv. Activity Mix: Eyes on the Street – Places where the level of human activity is appropriate to the location and creates a reduced risk of crime and a sense of safety at all times by promoting a compatible mix of uses and increased use of public spaces; and v. Sense of Ownership: Showing a space is cared for – Places that promote a sense of ownership, respect, territorial responsibility and community; and vi. Quality Environments: Well Designed, Managed and Maintained Environments – Places that provide a quality environment and are designed with management and maintenance in mind to discourage crime and promote community safety in the present and the future 21.1.1.13 Social and Heritage (a) The likely effects on the social values and vibrancy of the primary commercial centres and village commercial centres from out of centre retail developments 21.1.2.4 Compact housing with seven or more dwellings per site located within the Compact Housing Overlay (identified on the Planning Maps) (a) Building design including: i. The extent to which solar potential and good solar aspect is optimized within the development; and iii. Colours; and iii. The materials to be used and how they are to be repeated within the development; and iv. Details of roof pitches; and v. Details of doorways and the provision of shelter for visitors; and		to provide privacy for Lot 1 while being open enough to	
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v. Details of doorways and the provision of shelter for visitors; and permeable fence to integrate with the surrounding	iv. Details of roof pitches; and		
Whaleson acceptance haloming and acceptance	v. Details of doorways and the provision of shelter for visitors; and		
	vi. Windows, revetment, balconies and recesses; and		
vii. Garaging to create visual continuity and cohesion and reflect a residential character; and The development has been oriented to avoid any garage Yes	vii. Garaging to create visual continuity and cohesion and reflect a residential character; and	The development has been oriented to avoid any garage	Yes
viii. Whether designs avoid monolithic walls in favour of designs that incorporate smaller scale building facing the transport corridor and majority of the lot	viii. Whether designs avoid monolithic walls in favour of designs that incorporate smaller scale building	facing the transport corridor and majority of the lot	
elements to promote feelings of interest and diversity frontage is covered in planting/landscaping to contribute	elements to promote feelings of interest and diversity		
to neighbourhood amenity. A variety of landscaping		, , , , , , , , , , , , , , , , , , , ,	
(b) Visually permeable fences and glazing of facades that provide for surveillance from the dwelling to the street and borders the eastern edge of the site, softening the visual	(b) Visually permeable fences and glazing of facades that provide for surveillance from the dwelling to the street and		
other public places such as walkways and reserves dominance for adjoining properties and for future	other public places such as walkways and reserves	dominance for adjoining properties and for future	
(c) Integration with neighbouring residential development that is responsive to local character in terms of its façade occupants.	(c) Integration with neighbouring residential development that is responsive to local character in terms of its façade	occupants.	
treatment, including building proportions, detailing, materials and landscape treatment	treatment, including building proportions, detailing, materials and landscape treatment		
	(d) Outdoor living spaces for independent living units that are private and have good access to sunlight in midwinter		
	and/or have access to a range of communal landscaped outdoor areas that are orientated such that they have good		
solar aspect.	solar aspect.		



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(e) The location of outdoor storage areas and rubbish and recycling compounds such that the appearance from the		
street is not adversely affected and on-site amenity, such as the provision of outdoor living spaces is not		
compromised		
(f) The design of the road boundary setback:		
i. Street definition – the extent to which units as opposed to garages orient and face the street creating a		
strong interface between the public and private domains. Designs need to avoid street frontages that are		
dominated by garages and outdoor storage areas; and		
ii. Landscaping – the type and nature of the landscaping both within the front yard setback and throughout		
the development so that it contributes both to the neighbourhood and to on-site amenity; and		
iii. Accessway design – the width and proportion of the frontage as well as the landscaping and the materials		
to be used.		
to be used.		
(g) The provision of connections to public walkways/cycleways and the road networks		
(h) Open space character including on-site landscaping, retention of mature trees, provision of shared driveways		
(i) Adequate vehicle parking and the provision of safe vehicle entrances for pedestrians and vehicles, car parking and		
manoeuvring and vehicle access to rubbish and recycling compounds, access for emergency vehicles		
(j) The provision of lighting for amenity and crime prevention without being a nuisance to residents		
(k) The extent of effects on the surrounding road network including the function of intersections		
(I) Aural privacy including the noise levels anticipated from on-site and adjacent land uses and the provision of		
acoustic treatment		
(m) The adequacy of on-site stormwater disposal methods		
(n) The benefits provided to residents from communal facilities being provided on site.		
21.1.2.6 Design of building façade	The design and building materials used will promote	
(a) The visual effect of the development on the streetscape	passive surveillance of the streetscape and the adjacent	
(b) The extent to which the development takes into account the personal safety of people and principles of Crime	reserve zone. The vegetation/landscaping used will	Yes
Prevention Through Environmental Design (CPTED)	soften the visual dominance of the building to mitigate	
	any adverse visual effects that may occur.	
21.1.2.7 Minimum building setback from internal site boundaries	The internal site boundaries are sufficient to provide an	
(a) The extent to which the development provides for the visual and aural privacy of occupants and neighbours	adequate amount of privacy to future occupants and	
(b) The degree to which there is a loss of privacy, daylight, sunlight or outlook in adjacent sites	neighbouring dwellings without reducing the amount of	
(c) Whether the building affects existing trees on the site	daylight/sunlight on pre-existing adjacent dwellings. This	
(d) The extent to which existing vegetation is retained and landscaping adds to the amenity of the development	is an intensified development and is the first of the area,	Yes
(e) Whether the development will affect the perception of spaciousness on and between sites when viewed from	but it does not deviate from what is expected within the	
the street	Compact Housing Area overlay. Due to the layout of the	
(f) Whether the proposed activity will have reverse sensitivity effects on adjacent activities or zones	development, the smaller lot sizes will not be discernible	
(g) The extent to which the building precludes the ability to access the rear of the site or dwelling	when viewed from the streetscape.	
21.1.2.8 Maximum building length	The dwelling shave been broken up through a well-	
(a) The degree to which there is a loss of privacy, daylight, sunlight or outlook on adjoining sites	managed design to ensure they do not detract from the	
(b) The extent to which the design of the building is modulated and avoids long lengths of walls adjoining residential	amenity values of the area.	



zoned or reserve zoned sites. Buildings that are inconsistent with residential building forms should be avoided		
(c) The effects of the non-compliance on the character and amenity of the streetscape	All developments the consideration of the constant of the cons	
21.1.2.11 Outdoor living area (a) The internal layout of the dwelling and its relationship to the outdoor living area (b) The size, dimension, and orientation of the outdoor living area	All dwellings will be provided with an outdoor living area easily accessible from a living/dining area which is of a sufficient size and has adequate privacy from neighbouring sites	Yes
21.1.2.12 Neighbourhood amenity and safety (a) Whether the development promotes passive surveillance of the street (b) The degree to which the development promotes public safety (c) Whether the design and height of the fence or type and height of landscaping planting will undermine the principle of passive surveillance of the street	Lot 1 has road frontage to the street and will be orientated to ensure passive surveillance can occur. The mixture of both low and high level garden walls bordering the site further ensures informal surveillance of the streetscape and adjoining reserves zone can occur.	Yes
21.1.2.13 Construction noise (a) The time and frequency that the activity occurs, the duration of noise continuance, any adverse effects on buildings either on-site or on surrounding properties and any special characteristics of the noise and subsequent effects on health and safety and on the amenity values of surrounding properties.	Any construction noise will be temporary in nature and mitigation measures will be implemented to ensure any adverse effects on neighbouring properties is less than minor.	Yes
21.1.2.19 Permeable surfaces (a) The degree to which on-site stormwater disposal can be achieved in a range of stormwater events (b) The extent to which any increase in the level of impermeable surfaces will effect or has the potential to result in stormwater run-off to adjoining properties (c) Alternative methods of retaining stormwater on site	The non-compliances associated with permeable surfaces will not have an adverse effect on public infrastructure. The site is able to be adequately serviced to ensure stormwater can be adequality managed, thus avoiding any potential runoff to adjoining properties	Yes
21.1.15.14 Sustainable design and layout principles will apply to all development and subdivision within the urban limits, and all areas that are subject to a structure plan	Suitable access onto Taylor Street that has been designed.	Yes
21.1.15.15 Site and surrounding area analysis/constraints assessment (a) The extent to which the development and subdivision is designed to integrate with development and subdivision on surrounding sites, and work with the natural features of the land and local climatic conditions. (b) In the Rural Zone, the extent to which the development and subdivision is designed to integrate with the ongoing productive use of the land. (c) In the landscape overlays, the extent to which the building platform provides for a building that complies with the building location requirements of Section 25 - Landscapes and Viewshafts and Assessment Criteria 21.1.25.	The development has been designed to be compatible with the surrounding residential zone.	Yes
25.1.15.16 Site suitability-general/flooding/Geotech	The development will not contribute to any additional hazards.	Yes
21.1.15.17 Infrastructure servicing: general	Suitable infrastructure will be provided to service the development.	Yes
21.1.15.18 Infrastructure servicing: water supply and reticulation	As above	Yes
21.1.15.19 Infrastructure servicing: wastewater reticulation and wastewater disposal system	As above	Yes
21.1.15.20 Infrastructure servicing: stormwater and land drainage	As above	Yes



21.15.23 Easements (a) Where roading, access, car parking area or infrastructure services have been required to serve any subdivision or development, the extent to which easements have been provided for the identification, protection, maintenance and operation of any public or private service, secondary overland flow path or ponding area. Conditions may include the grading of these easements at the applicant's separes to which the lots and or proposed development applicant's expenses that the applicant's separes to which the lots on which the lots and or proposed development are able to be serviced with a vehicle crossing of the correct size, and in a location that allows safe vehicle entry and egress. 21.11.51.27 Design and layout: general (a) The extent to which each new boundary is practically and appropriately located taking into account the following and layout: general (a) The extent to which each new boundary is practically and appropriately located taking into account the following after a sea of segeration, wetlands, streams, rivers, internal roading, footpaths and cycleways, heritage, the retention of cultural and/or archaeological sites within one utility to mitigate those effects through the design, shape or development area of vegetation, wetlands, streams, rivers, internal roading, footpaths and cycleways, heritage, the retention of cultural and/or archaeological sites within one attile, cultural landscapes, and other physical features, as identified in the site and surrounding area analysis; and ii. The operational characteristics of the existing planned activities without adversely affecting any Protected Trees, and the ability to mitigate those effects through the design, shape or development plan and shall be such than the individual dwellings can be held in the site areas, shall be in accordance with any approval and use consent and site approved development plan and shall be such that the individual dwellings can be held in it. I to dequately provide for the convenience and privacy of the			<u> </u>
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iv. Provide and allocate ownership and responsibility for the provision of infrastructure services.			



	fects of any proposed impermeable surfaces on the health and viability of any protected tree, including soil and hydrological balance.		
	itigation methods proposed to ensure the values of any protected tree are not compromised, including its		
health and	d structural integrity, and its contribution to community amenity.		
(f) The eff	ect of the subdivision on the values for which any protected tree was protected.		
(g) The po	tential for the location of the protected tree to cause significant damage or harm to buildings, services or		
property,	whether public or privately owned, or people, now or in the future.		
(h) The ex	tent to which the protected tree has the potential now or in the future to cause significant hardship to		
nearby res	sidents, including any significant loss of sunlight or extraordinary leaf and debris drop.		
21.1.16.9	Vehicular access to sites in all zones	The vehicle access to all lots is relatively flat and is able	
	er works are necessary, are proposed, or have been undertaken to improve the safety and operation of	to achieve the desired unimpeded sight lines in all	
the propo	sed vehicular access including but not limited to:	directions. The safety and efficiency of the adjacent	
i.	Works to improve sight distances and other safety enhancements; and	transport network will not be compromised as a result of	
ii.	Closure of an existing entrance; and	this proposal.	Yes
iii.	Relocation of an existing entrance to a complying or less non-complying location; and		163
iv.	The upgrade of existing roads and accesses necessary to serve the building or activity; and		
v.	Erection of roadside signs; and		
vi.	Where the accessway is to be shared by other lots, units, flats or activities, whether the safety of all		
	users of the accessway has been adequately provided for.		
	Vehicle manoeuvring	One-site manoeuvring is provided to ensure all vehicles	
	tent to which the vehicle or truck manoeuvring is designed to ensure the vehicle can exit the site in a	are able to exit the site in a forward direction.	
forward d		Manoeuvring is provided within the shared accessway	
	er the vehicle or truck manoeuvring can be achieved on the site, within a designated manoeuvring area,	(Lot 6) which is of a sufficient size to allow courier	
	not impede access to car parks, loading areas or accessways for other users of the site	vehicles, vans, delivery trucks and emergency services to	
	ktent to which the manoeuvring area:	access the site.	
i.	Encroaches on any road boundary, internal site boundary setback or outdoor living area; and		Yes
ii.	Can avoid remedy or mitigate the effects of dust nuisance; and		
iii.	Provides for the safe and efficient disposal of surface stormwater; and		
iv.	Accommodates the anticipated use of the area by all traffic likely to access the site; and		
٧.	Is located in proximity to an entrance to a school or any preschool facility; and		
vi.	Where associated with a dwelling in the Residential Zone, takes account of the Guidelines for		
	Property Design to Improve Driveway Safety in Appendix T9.		



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