## Land Information Memorandum

#### Disclaimer

This document has been obtained on behalf of the Vendor and copies have been made available to prospective Purchasers and interested parties for general information purposes only. However, neither the Vendor nor Bayleys in the North (Mackys Real Estate Limited), warrant the accuracy of this copy and they accept no liability for any errors or omissions in the report. It is recommended to all prospective Purchasers and interested parties that they obtain and reply on their own reports and make their own independent enquiries for due diligence purposes.



# LAND INFORMATION MEMORANDUM NO: LM2200195 Received: 03 Feb 2022 Issued: 17 Feb 2022 Section 44A, Local Government Official Information And Meetings Act 1987

#### **APPLICANT**

A I Galbraith 4 Parahaki Street Whangarei 0112

#### **SITE INFORMATION**

Property ID: 160122

Street Address: 66 A King Street

Whangarei 0112

Legal Description: LOT 2 DP 403954

This is a Land Information Memorandum only.

Full payment has been made for this Land Information Memorandum.



#### 1: PROPERTY DETAILS.

Location Map

Aerial Photo

Deposited Plan: DP403954 – 09/03/2009

• Record of Title: RT413474 – 09/03/2009

This property is subject to a Consent Notice, information attached.

8032988.2 - 05/02/2008

2: INFORMATION IDENTIFYING EACH (IF ANY) SPECIAL FEATURE OR CHARACTERISTIC OF THE LAND CONCERNED, INCLUDING BUT NOT LIMITED TO POTENTIAL EROSION, AVULSION, FALLING DEBRIS, SUBSIDENCE, SLIPPAGE, ALLUVION, OR INUNDATION, OR LIKELY PRESENCE OF HAZARDOUS CONTAMINANTS, BEING A FEATURE OR CHARACTERISTIC THAT IS KNOWN TO THE WHANGAREI DISTRICT COUNCIL.

This property is located in an area that is included in a report by Tonkin & Taylor Ltd on stability hazard potential, see map attached and refer <a href="https://www.wdc.govt.nz/Services/Property/Planning/Property-Hazard-Reports-and-Map">https://www.wdc.govt.nz/Services/Property/Planning/Property-Hazard-Reports-and-Map</a>

• Stability Hazards map - showing low stability hazard

Regional Policy Statement

The Regional Policy Statement's role is to promote sustainable management of Northland's natural and physical resources. It does this by:

- Providing an overview of the region's resource management issues; and
- Setting out policies and methods to achieve integrated management of Northland's natural and physical resources.

#### Refer

https://www.nrc.govt.nz/resource-library-summary/plans-and-policies/regional-policy-statement

3: INFORMATION ON COUNCIL AND PRIVATE UTILITY (SEWERAGE, WATER & STORMWATER) SERVICES.

Information relating to Council Utility Services for this property is attached.

• Pipeline Asset Services Map



Service Sheet/s (e.g. As-Built, House Connection, House Drainage etc...) for this property from the building file is attached.

As Built Plan from BC0900596

For further information regarding Council Water Supply please refer <a href="https://www.wdc.govt.nz/Services/Water-services/Water-Supply">https://www.wdc.govt.nz/Services/Water-services/Water-Supply</a>

## 4: INFORMATION RELATING TO VALUATION, LAND, AND WATER RATES. INFORMATION FROM WHANGAREI DISTRICT COUNCIL RECORDS.

Information on Valuation, Rates and Water Meter location (if applicable) for the current financial year, is attached.

Outstanding water balance as at today's date is \$0.00. A final reading of the water meter will be required.

5: INFORMATION CONCERNING ANY PERMIT, CONSENT, CERTIFICATE, NOTICE ORDER, OR REQUISITION AFFECTING THE LAND OR ANY BUILDING ON THE LAND PREVIOUSLY ISSUED BY THE WHANGAREI DISTRICT COUNCIL OR BUILDING CERTIFIER (WHETHER UNDER THE BUILDING ACT 1991 AND/OR 2004 OR ANY OTHER ACT).

Copy of Whangarei District Council Application/s (e.g. Vehicle Crossing Permit and/or Public Utility Service) for this property is/are attached.

PU090122 - Water Meter - 30/07/2009

Copy of Building Consent and Code Compliance Certificate issued for this property is attached.

BC0900596 – New Dwelling – Issued – 07/08/2009 Code Compliance Certificate Issued – 23/02/2010

Stormwater attenuation may be required on this property for new building work that results in an increase of  $> 30m^2$  in impervious area including paving, driveways etc.

For the Stormwater Attenuation guidance notes refer <a href="https://www.wdc.govt.nz/Services/Water-services/Stormwater/Stormwater-flood-management">https://www.wdc.govt.nz/Services/Water-services/Stormwater-flood-management</a>

## 6: INFORMATION RELATING TO THE USE TO WHICH THE LAND MAY BE PUT AND ANY CONDITIONS ATTACHED TO THAT USE.

#### **ENVIRONMENT:**

Living 1 Environment, see map attached and refer to Part 3 Area Specific Matters - Environments.

https://www.wdc.govt.nz/Services/Property/Planning/Operative-District-Plan



Please note that this property is subject to Councils Decision - District Plan Environment, see map attached.

General Residential Zone

For further information please contact the Policy Planner, 09 430 4200.

Urban areas in Whangarei District are currently going through a proposed plan change to create new zones. Refer: https://www.wdc.govt.nz/Services/Property/Planning/District-Plan-changes

7: INFORMATION WHICH IN TERMS OF ANY OTHER ACT HAS BEEN NOTIFIED TO THE WHANGAREI DISTRICT COUNCIL BY ANY STATUTORY ORGANISATION HAVING THE POWER TO CLASSIFY LAND OR BUILDINGS FOR ANY PURPOSE.

Whangarei District Council is not aware of any classification attached to the land or building/s.

8: OTHER INFORMATION CONCERNING THE LAND AS WHANGAREI DISTRICT COUNCIL CONSIDERS, AT COUNCILS DISCRETION, TO BE RELEVANT.

Whangarei District Council recommends that all Whangarei District residents visit the Northland Regional Council website, <a href="https://www.nrc.govt.nz/">https://www.nrc.govt.nz/</a> for information on Civil Defence hazard response. This information includes Tsunami evacuation zones, maps and community response plans for flooding and extreme weather events etc.

Copies of site plan, floor plan and elevations are attached for your information.

9: INFORMATION RELATING TO ANY UTILITY SERVICE OTHER THAN COUNCILS SUCH AS TELEPHONE, ELECTRICITY, GAS AND REGIONAL COUNCIL WILL NEED TO BE OBTAINED FROM THE RELEVANT UTILITY OPERATOR.

Further information may be available from other authorities; Northland Regional Council; Northpower; Spark; Vector Limited; etc.



#### **DISCLAIMER**

Land Information Memoranda (LIM) are prepared under the provisions of Section 44A of the Local Government Official Information and Meetings Act 1987. An inspection of the land or building(s) has not been completed for the purposes of preparing the LIM. It has been compiled from the records held by Whangarei District Council. The information contained in the LIM is correct at the date the LIM report is issued.

A LIM is prepared for the use of the Applicant and may not be able to be relied on by other parties.

Advice from an independent professional such as a lawyer or property advisor should be sought regarding the contents of this LIM and the information contained herewith. Additional information regarding the land or buildings (such as resource consents and other permissions and restrictions), which is not contained in this LIM, may also be held by the Northland Regional Council. The Northland Regional Council should be contacted for that information. Ph (09)4701200 or 0800 002 004 or <a href="www.nrc.govt.nz">www.nrc.govt.nz</a> A LIM is not a suitable search of Council's records for the purposes of the National

A LIM is not a suitable search of Council's records for the purposes of the National Environmental Standards (NES) for soil contamination of a potentially contaminated site.

\_\_\_\_\_

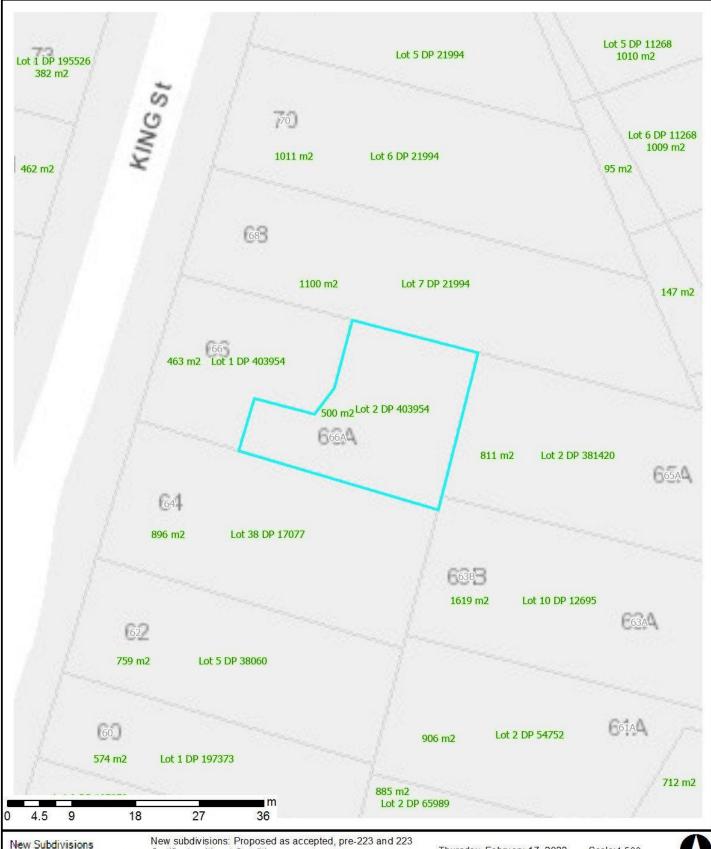
Signed for and on behalf of Council:

Lee Mitchell

**Property Assessment Officer** 

## **Property Map**





Proposed Pre-223 223 Certificate

Certificate with set Conditions.

Thursday, February 17, 2022

Scale: 1:500

Land Parcel boundaries are indicative only and are not survey accurate. Area measurement is derived from the displayed geometry and is approximate. True accurate boundary dimensions can be obtained from LINZ survey and title plans

The information displayed is schematic only and serves as a guide. It has been compiled from Whangarei District Council records and is made available in good faith but its accuracy or completeness is not guaranteed. Cadastral Information has been derived from land Information New Zealands (LINZ) Core Record System Database (CRS). CROWN COPY RIGHT RESERVED. © Copyright Whangarei District Council.

## Aerial Photography





Thursday, February 17, 2022

Scale:1:500

0





## Digital Title Plan - DP 403954

Survey Number DP 403954

Surveyor Reference 27039 - Montague Solutions

Surveyor Trevor James Shaw Survey Firm Simpson Shaw Surveyors

Surveyor Declaration I Trevor James Shaw, being a person entitled to practise as a licensed cadastral surveyor, certify that -

(a) The surveys to which this dataset relates are accurate, and were undertaken by me or under my direction in accordance with the Cadastral Survey Act 2002 and the Surveyor-General's Rules for

Cadastral Survey 2002/2;

(b) This dataset is accurate, and has been created in accordance with that Act and those Rules.

Declared on 18/12/2008.

**Survey Details** 

Dataset Description Lots 1 and 2 being a subdivison of Lot 39 DP 17077

Status Deposited

Land District North Auckland Survey Class Class I Cadastral Survey

Submitted Date 18/12/2008 Survey Approval Date 24/12/2008

**Deposit Date** 09/03/2009

#### **Territorial Authorities**

Whangarei District

#### Comprised In

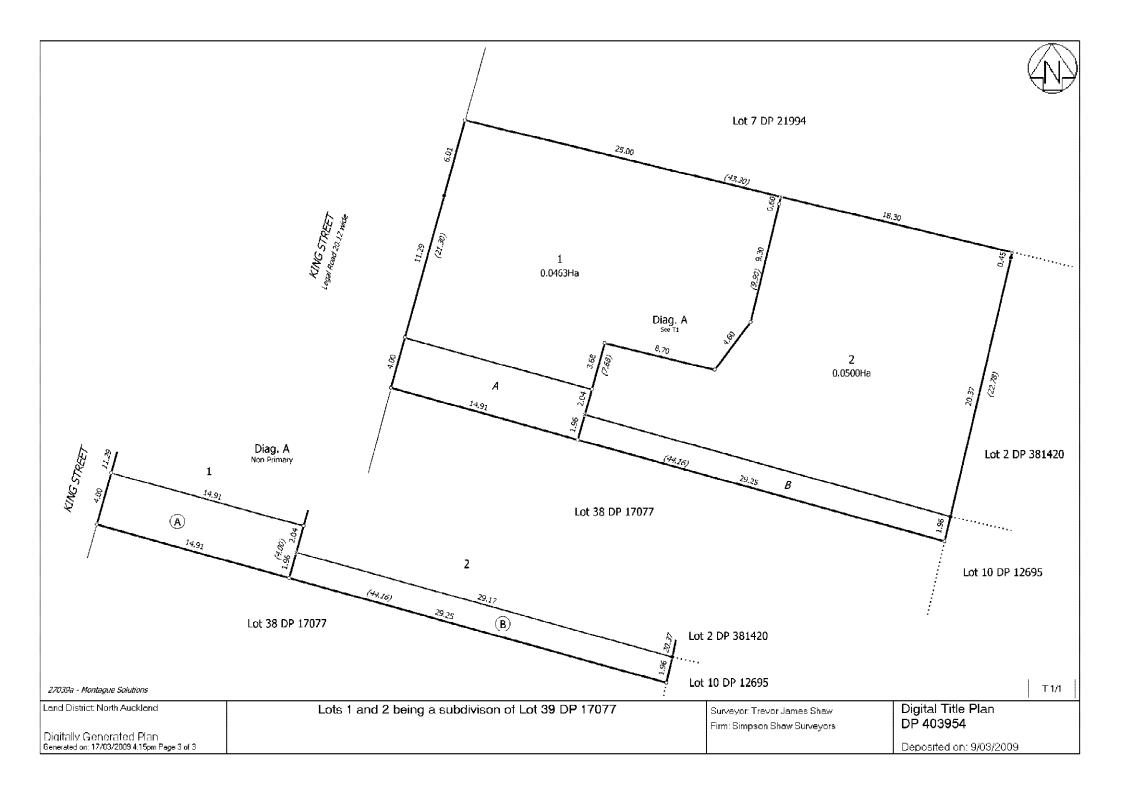
CT NA471/26

<b>6</b> 10	ested	Da	masla

Parcels	Parcel Intent	Area	CT Reference
Marked B Deposited Plan 403954	Easement		
Lot 1 Deposited Plan 403954	Fee Simple Title	0.0463 Ha	413473
Lot 2 Deposited Plan 403954	Fee Simple Title	0.0500 Ha	413474
Marked A Deposited Plan 403954	Easement		
Total Area	_	0.0963 Ha	

Memorandum of Easement						
Purpose	Shown	Servient Tenement	Dominant Tenement			
Right of Way Right to Drain Sewage Right to Drain Stormwater Right to Convey Water, Electricity, Telecommunications & Computer Media	A	Lot 1 Hereon	Lot 2 Hereon			

Memorandum of Easement in Gross						
Purpose	Shown	Servient Tenement	Grantee			
Dight to Drain Starmunder	Α	Lot 1 Hereon	Whatana			
Right to Drain Stormwater	В	Lot 2 Hereon	- Whangarei District Council			





## RECORD OF TITLE UNDER LAND TRANSFER ACT 2017 FREEHOLD

**Search Copy** 



Identifier 413474

Land Registration District North Auckland

**Date Issued** 09 March 2009

**Prior References** 

NA471/26

**Estate** Fee Simple

Area 500 square metres more or less
Legal Description Lot 2 Deposited Plan 403954

**Registered Owners** 

Hannley Properties Limited

#### **Interests**

8032988.2 Consent Notice pursuant to Section 221 Resource Management Act 1991 - 9.3.2009 at 3:20 pm

Appurtenant hereto is a right of way and rights to drain sewage and stormwater, convey water, electricity, telecommunications and computer media created by Easement Instrument 8032988.4 - 9.3.2009 at 3:20 pm

The easements created by Easement Instrument 8032988.4 are subject to Section 243 (a) Resource Management Act 1991

Subject to a right (in gross) to drain water over part marked B on DP 403954 in favour of Whangarei District Council created by Easement Instrument 8032988.5 - 9.3.2009 at 3:20 pm

The easements created by Easement Instrument 8032988.5 are subject to Section 243 (a) Resource Management Act 1991

8268173.4 Mortgage to Westpac New Zealand Limited - 1.9.2009 at 11:23 am

8270001.1 Mortgage to Lizarn Holdings Limited - 8.12.2009 at 10:21 am

IN THE MATTER

of the Resource Management

Act 1991 ("the Act")

AND

IN THE MATTER

of a subdivision consent as

evidenced by Land Transfer Plan

No. 403954

AND

IN THE MATTER

of a Consent Notice issued pursuant to Section 221 of the Act by <u>WHANGAREI</u> DISTRICT COUNCIL ("the

Council")

IT IS HEREBY CERTIFIED that the following conditions to be complied with on a continuing basis by the subdividing owner and subsequent owners were imposed by the Council as conditions of approval for the subdivision as effected by Land Transfer Plan No. 403954 ("the plan")

- The stone walls running the full length of the northern boundary of lots 1 and 2
  on the plan are to be protected and reinstated. Removal of stone walls or parts
  of the walls, unless permitted by the district plan rules, requires approval from
  the Council and the New Zealand Historic Places Trust.
- 2. In accordance with the approved plan identifying the location and species of the existing trees on lots 1 and 2 on the plan the trees so identified on this plan on lots 1 and 2 shall not be removed until such time as any or all trees are deemed to be dangerous and/or dying by a qualified arborist. Trimming carried out on these trees is permitted if it is the removal of dead, dying or diseased wood from the crown of the tree; or it involves trimming by use of secateurs or loppers of branches less than 50.0mm in diameter.
- 3. That stormwater discharges from Lot 1 on the plan shall be restricted to the greenfield flows for a 1:5 year flood event and having a total impermeable surface area not exceeding 50 percent of that lot's total area, with all other stormwater runoff to be collected, attenuated to ARC TP 108 and treated to the

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standards set by ARC TP 10, on-site by a suitable method designed by a Chartered Professional Engineer to the approval of the Council's Waste and Drainage Manager, unless otherwise authorised in writing by the Council's Waste and Drainage Manager.

Prior to the issuing of a Building Consent for a dwelling and any accessory buildings on Lot 2 on the plan the applicant shall provide to Council's Waste and Drainage Manager, a design prepared by a Chartered Professional Engineer to restrict green field flows for a 1:5 year flood event, with all other stormwater runoff to be collected, attenuated to ARC TP 108 and treated to ARC TP10 onsite for approval of this design, the necessary on-site works required to implement the approved design shall be carried out and completed prior to the issuing of a Code of Compliance Certificate (or equivalent) under the Building Act 2004. The completed design shall then be maintained in working order by the property owner for the time bring.

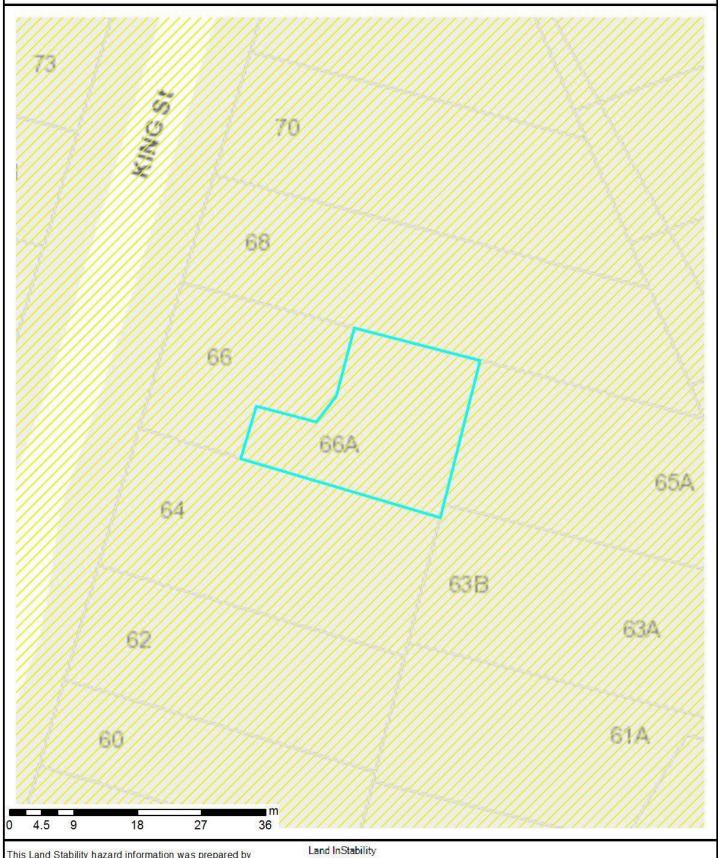
DATED at Whangarei this SA day of February

2008

SIGNED for WHANGAREI DISTRICT COUNCIL pursuant to the authority of the Council given pursuant to the Local Government Act 2002 and the Resource Management Act 1991

## Land Stability





This Land Stability hazard information was prepared by Tonkin and Taylor Engineers Ltd.

Hazard information as shown is approximate and should not be used as a replacement for site specific investigation and assessments. The absence of hazard information shown does not mean that there is none, only that the information may not yet have been collected.

Migh Hazard

Moderate Hazard

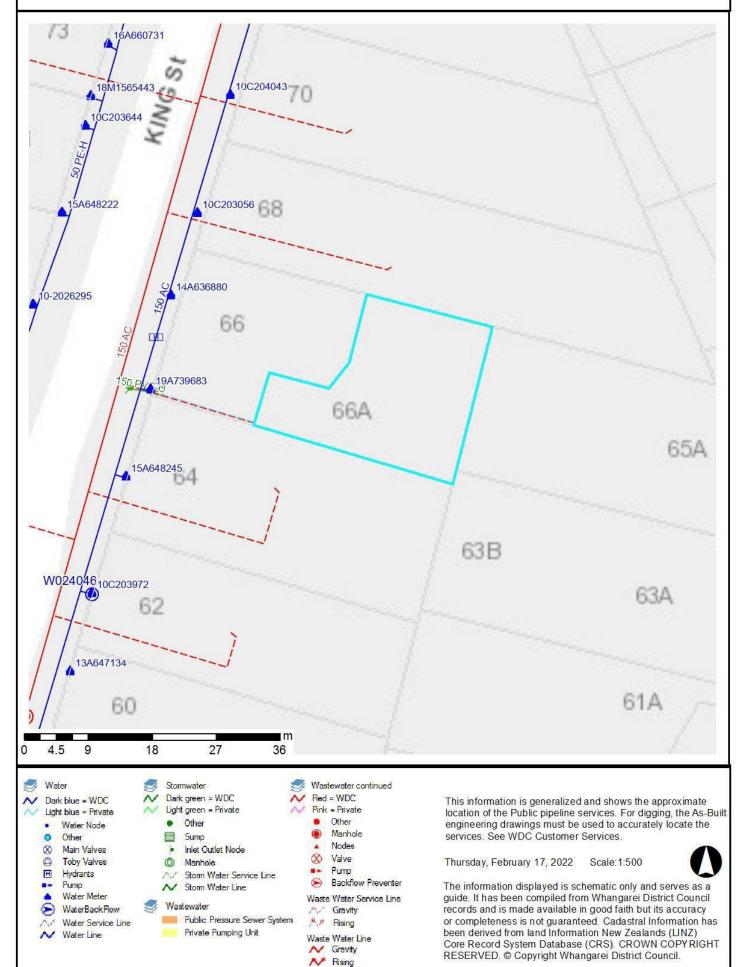
Thursday, February 17, 2022

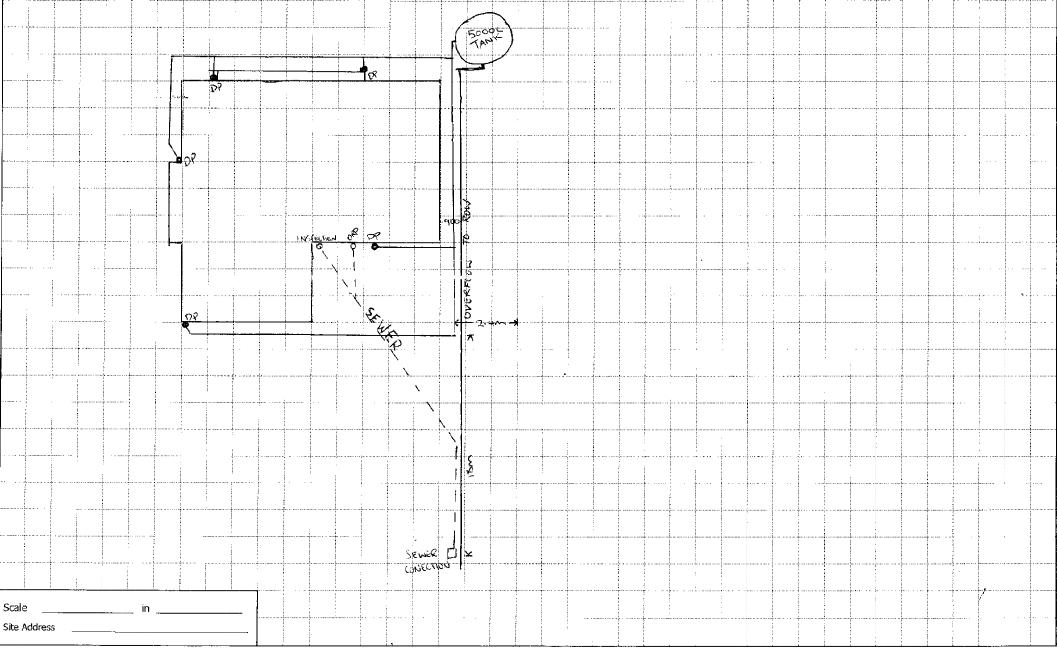


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## Pipeline Assets









Whangarei District Council Forum North - Private Bag 9023 Whangarei New Zealand Ph:0-9-430 4200 Fax:0-9-438 7632 Email: mailroom@wdc.govt.nz

#### **Rates LIM Report**

As at: Thursday, 17 February, 2022

**Property Number** 160122

**Legal Description** LOT 2 DP 403954 **Assessment Number** 0073137201

Address 66 A King Street Whangarei 0112

Record of Title(s) 413474
Land Value \$340,000
Capital Value \$700,000
Date of Valuation 01-July-2021

Effective Date (used for rating purposes) 01-July-2022

Meter Location RHS of ROW to #66A feeds Rear section

#### Rates Breakdown (up to 30 June 2022)

Rates Charge	Charge Total
General Residential	\$489.02
Sewage Disposal - Residential	\$803.00
Uniform Annual General Charge	\$724.00
Regional Civil Defence & Hazard Management	\$37.88
Regional Council Services	\$132.69
Regional Economic Development	\$4.56
Regional Emergency Services Rate	\$11.84
Regional Flood Infrastructure	\$31.19
Regional Land and Fresh Water Management	\$72.11
Regional Pest Management	\$76.40
Regional River Management - General Catchment Area	\$42.22
Regional Sporting Facilities	\$16.95
Regional Transport Rate	\$23.07
Annual Charge Total	\$2,464.93

#### Opening Balance as at 01/07/2021

\$0.00

Rates Instalments	Total
20/07/2021 Instalment	\$616.93
20/10/2021 Instalment	\$616.00
20/01/2022 Instalment	\$616.00
20/04/2022 Instalment	\$616.00
Rates Total	\$2,464.93

Balance to Clear \$1,232.00

WHANGAREI DISTRICT COUNCIL

Forum North \* Private Bag 9023 \* Whangarei \* 0140 \* New Zealand
Telephone: (09) 430 4200 \* 0800 WDC INFO \* 0800 932 463 \* Facsimile: (09) 438 7632
Website: http://www.wdc.govt.nz \* E-mail: mailroom@wdc.govt.nz



PTO

THE REPORT OF THE PARTY OF THE **CUSTOMER SERVICES** 

3 0 JUL 2009

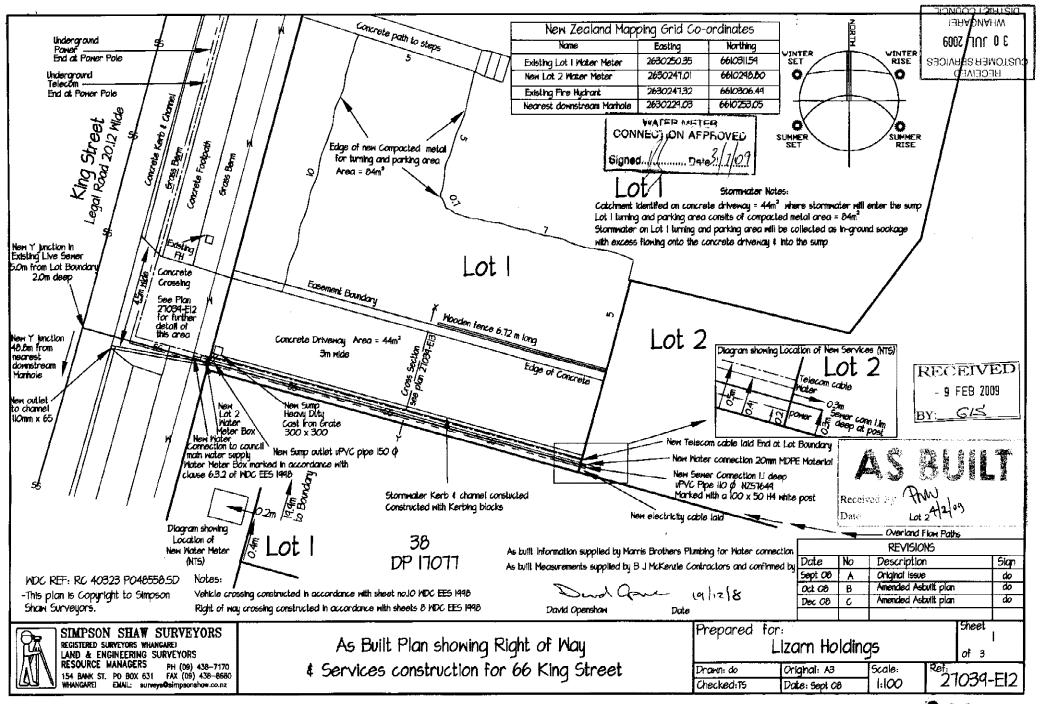
WHANGAREI

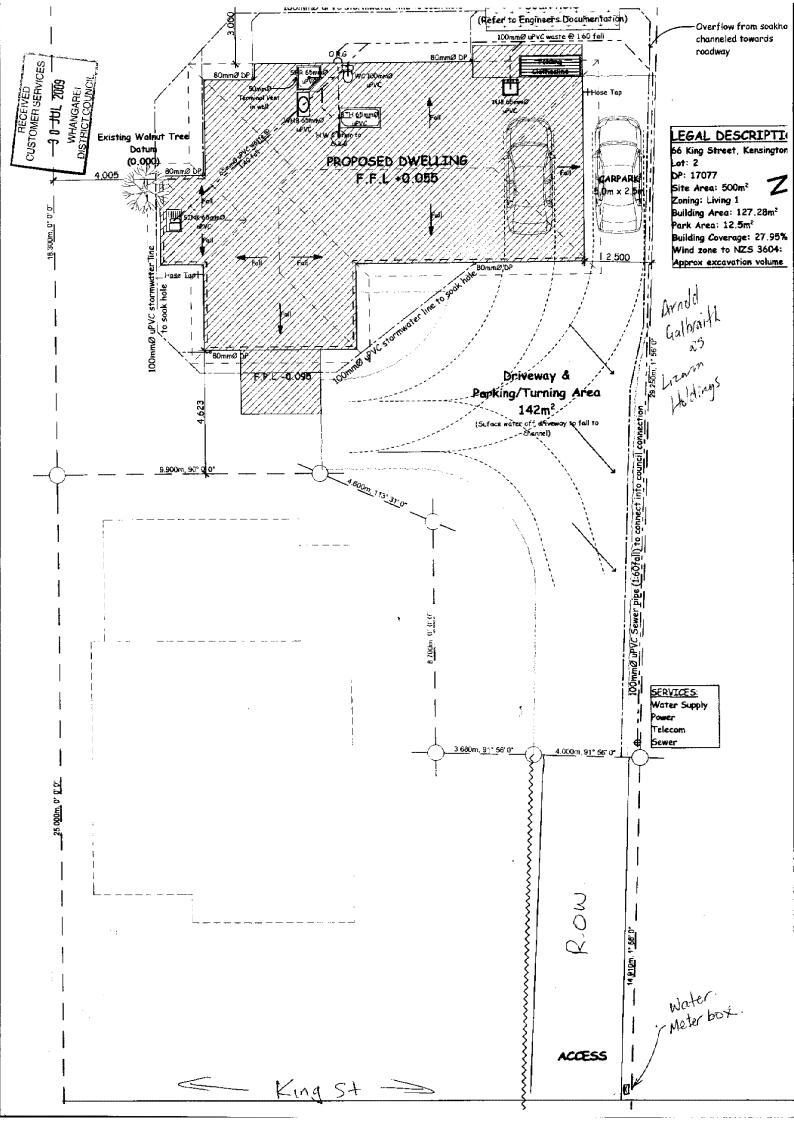
#### **Application for Public Utility Service FAST TRACK** Water Meter Only

[This Form is not required to a Subdivision]

#### General

(To be completed in all cases, ✓ each box as appropriate. The applicant must be the owner of the land, or the lease-holder, or a person who has agreed either conditionally or unconditionally to purchase the land or any leasehold)
Application Type
1 2 Public Utility Service – water meter only
2 Application linked to a Building Consent (No 0100596)
Name Arnold Galbraith (Lyzarn toldings Hd) Mailing Address 25 Purifi Park Rd, Wanny Whangarei
Phone <u>4381946</u> Fax <u>4389136</u>
Agent
Name Homeworld Design & Build Utd
Mailing Address P. O. Box 391 Whangard
Phone 4383779 ext 218 Fax 4383778
Site
Street/Road No 66A Road Name King Street  Town or Area Kensington
Legal Description 4-03954
Valuation Roll No 0 073137201 Lot 2 DP 17-77
PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP
Office Use Only
All correspondence/charges are to be directed to the  Applicant  Agent
Property ID 160122 Classified Use PUFT.
LLP Number 123238 . Account Number 510043-129
Date 30 7 09.







#### BUILDING CONSENT No: BC0900596 Section 51, Building Act 2004



Issued: 7 August 2009
Project Information Memorandum No: PM0900557

#### The Building

Street address of building:

66 A King St Whangarei 0112

Legal description of land where building is located:

LOT 2 DP 403954

LLP: 123238

**Building Name:** 

N/A

Location of building within site/block number:

N/A

Level/unit Number

N/A

#### The Owner

Lizarn Holdings Limited 25 Puriri Park Road

Maunu

Whangarei 0110

09 438 1946

(Mbl.) 027 4972710

Phone number: Facsimile number:

09 438 9136

Email address:

N/A

Website:

N/A

Street address/registered office:

66 A King St Whangarei 0112

First point of contact for communications with council/building consent authority

#### **Contact Person**

Homeworld Design & Build Limited

PO Box 391

Whangarei 0140

Phone number:

09 438 3779

(Mbl.) N/A

Facsimile number:

09 438 3778

Email address: ellisr@homeworld.col.nz

Website:

N/A

#### **Building Work**

The following building work is authorised by this consent:

#### **New Dwelling**

Creating the ultimate living environment

Forum North, Private Bag 9023 Whangarei 0148, New Zealand Telephone: +64 9 430 4200 Facsimile: +64 9 438 7632 Email: mailroom@wdc.govt.nz Website: www.wdc.govt.nz This building consent is issued under section 51 of the Building Act 2004. This building consent does not relieve the owner of the building (or proposed building) of any duty or responsibility under any other Act relating to or affecting the building (or proposed building).

This building consent also does not permit the construction, alteration, demolition, or removal of the building (or proposed building) if that construction, alteration, demolition, or removal would be in breach of any other Act.

#### This building consent is subject to the following conditions:

#### Section 90 Building Act 2004

See attached list of required inspections.

#### **Compliance Schedule**

A compliance schedule is not required for the building.

#### **Attachments**

No attachments.

#### **Additional Information**

- Dust Nuisance
   The applicant must control dust nuisance created by any site or building works.
- Toilet Facilities
   Toilet facilities must be provided within reasonable distance of the construction site. Ground discharge is no longer acceptable.

Signature

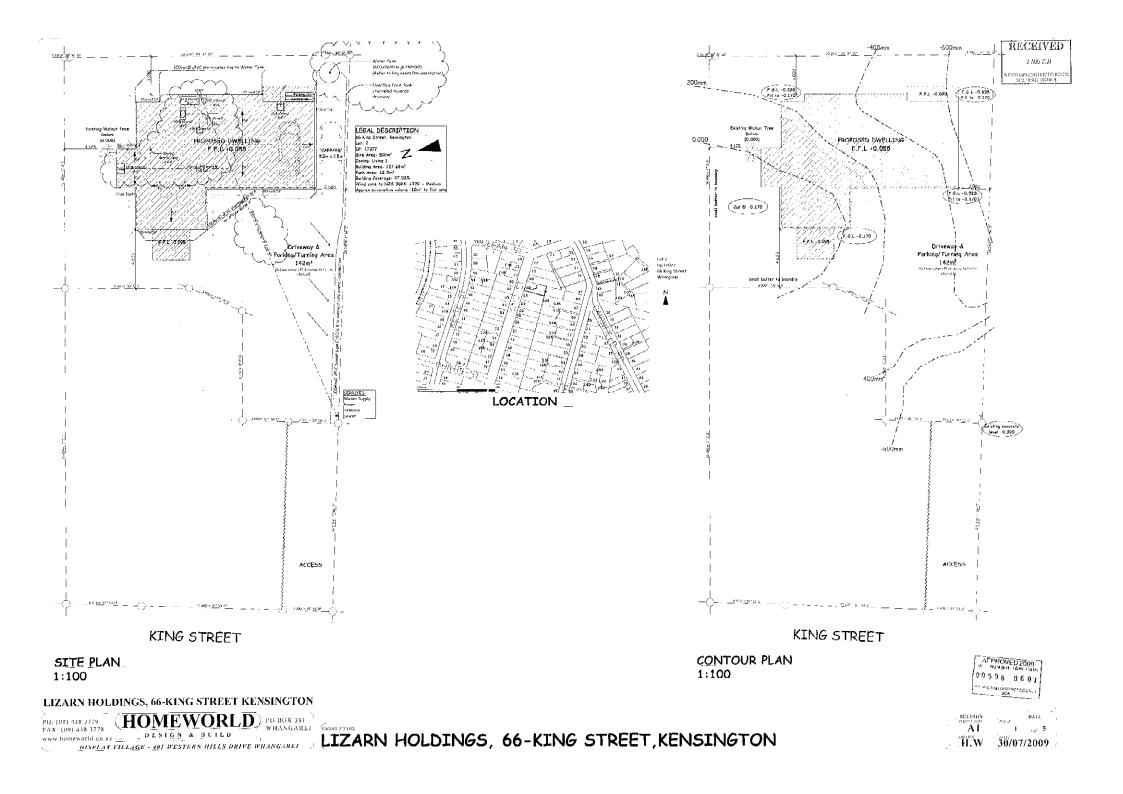
(Amanda Goulsbro)

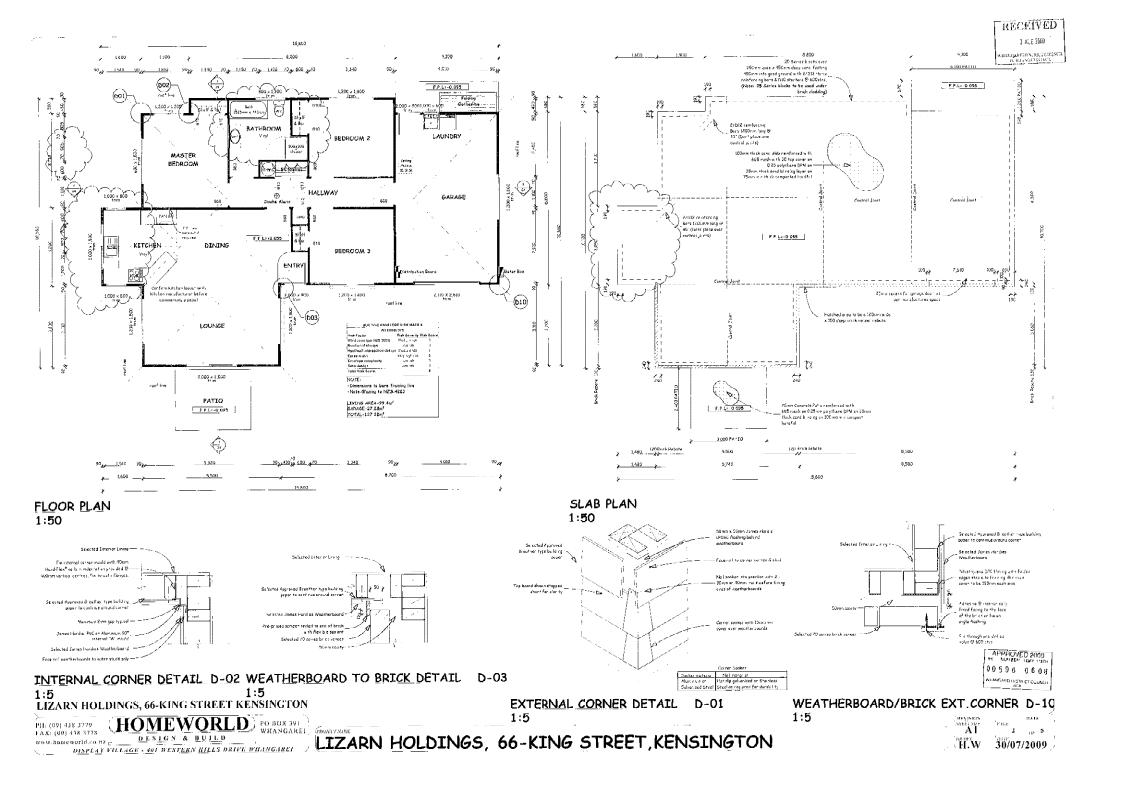
SUPPORT ASSISTANT - BUILDING COMPLIANCE

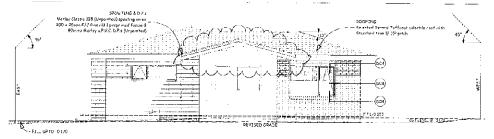
Position

On behalf of: Whangarei District Council

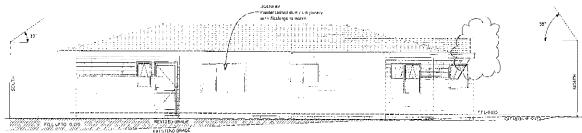
Date 7 August 2009



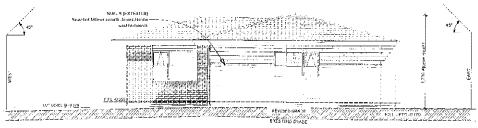




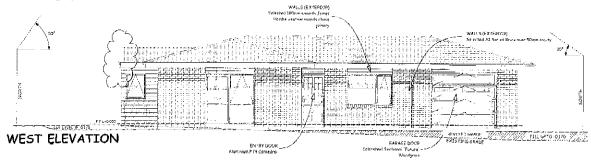
#### NORTH ELEVATION



#### EAST ELEVATION



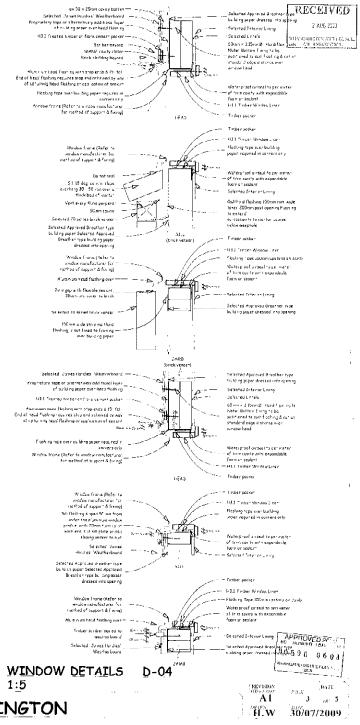
#### SOUTH ELEVATION



#### LIZARN HOLDINGS, 66-KING STREET KENSINGTON



LIZARN HOLDINGS, 66-KING STREET, KENSINGTON





Email: engineers@richardsonstevens.co.nz



RECEIVED

3 AUG 2009

WHANGAREDISE BIGGEOUNCIL
BUILTING CONTROL

Steve Turner
B.E., M.J.P.E.N.Z. (Civil, Structural)
Chartered Professional Engineer

CIVIL & STRUCTURAL ENGINEERS, 2 SEAVIEW RD, WHANGAREI 0110. PH: 09 438 3273, FAX: 09 438 5734

### Engineering Stormwater Attenuation Report for Proposed Dwelling Lots 2, DP 17077, King Street, Kensington

#### 1.0 Introduction

The client Lizarn Holdings proposes to build a dwelling on Lot 2, DP17077, 66 King Street, Kensington. Richardson Stevens Consultants (1996) Ltd have been commissioned to design the stormwater attenuation.

#### 2.0 Stormwater Requirements

Lot 2 is a 500m<sup>2</sup> section on a volcanic/clay loam. The client is proposing to build a 138m<sup>2</sup> dwelling and 142m<sup>2</sup> sealed driveway/turnaround. The PIM for Lot includes a the following building consent notice as part of the subdivision;

'Prior to the issuing of a building consent for a dwelling and any accessory buildings on Lot 2 on the plan the applicant shall provide to Councils Waste and Drainage Manager, a design prepared by a Chartered Professional Engineer to restrict green field flows for 1:5 year flood event with all other stormwater runoff to be collected, attenuated to ARC TP 108 and treated to ARC TP10 onsite for approval of the design'.

We interpret this condition as to follow current Whangarei District Council guidelines which are; The stormwater discharge from all proposed lots exceeding the peak runoff from the site pre-subdivision for both the 5 year ARI and 100 year ARI events plus 20% assessed using ARC TP108 methodology for a 24 hour duration event to be collecting and attenuated on-site by a suitable method designed by a Chartered Professional Engineer to the approval of Council's Waste and Drainage Manager.

A tank is to be designed to collect the water from the roof of the proposed dwelling on Lot 2. The stormwater flows are to be released through controlled orifices in the tank to maintain the flows below pre-development levels. The tank design reduces the flow from the roof such that the overall flow from the section including paved areas is no greater than pre-developed flows.

00595 06081

File: 9716 - Lizarn - 31 July 2009

As stated in current Whangarei District Council guidelines the flows and storage must be designed for both 5 and 100 year ARI's plus 20%. Therefore stormwater flow calculations have been prepared comparing pre-development and post development flows for the 5 year ARI, the 5 year plus 20% ARI, the 100 year ARI and the 100 year + 20% ARI events.

#### 4.0 Stormwater Design

It is proposed to use a 5000l Promax water tank of 1.6m diameter and 2.65m height for stormwater attenuation. Pre-development, the 500m² area of Lot 2 consists of 430m² lawn/landscaping on a clay/volcanic loam and a 70m² garage. The garage is to be removed and 142m² of paving and 138m² of dwelling area are to be constructed. The area of development is therefore 280m² of the 500m² Lot and the change in impervious areas is shown below

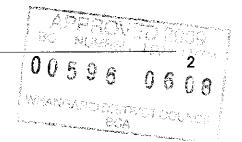
Areas	Predevelopment	Post Development
Permeable	210m² lawn	0m²
Impervious	70m² garage	138m² roof 142m² driveway/turnaround
Total developed area	280m <sup>2</sup>	280m <sup>2</sup>

The pre-development and post-developemt flows were calculated using HEC-HMS modelling for a 24hr normalised storm event using rainfall flows from the HIRDS rainfall data for the 5 year, 5 year +20%, 100 year, and 100 year +20% rainfall events.

The attenuated flows from the developed 280m<sup>2</sup> of the property are represented below:

Event	5yr ARI	5yr ARI +20%	100yr ARI	100yr ARI +20%
Predevelopment Post Development	3.93 l/s 3.88 l/s	5.01 l/s 4.59 l/s	8.86 l/s 8.72 l/s	11.06 l/s 10.95 l/s
Tank max storage	2.8m <sup>3</sup>	3.5m <sup>3</sup>	4.1m <sup>3</sup>	4.4 m <sup>3</sup>

More detailed HEC-HMS outputs area appended.



File: 9716 - Lizarn - 31 July 2009

#### 5.0 Conclusions / Recommendations

A roof tank has been designed for the dwelling on Lot 2. The 5000l Promax tank is to collect all stormwater flows from the proposed dwelling which will then be attenuated through two controlled orifices of 22ømm at the base and 50ømm 1.9m above the first orifice. This tank maintains the post-development flow below the pre-development flow for the 5 year ARI, the 5 year plus 20% ARI, the 100 year ARI and the 100 year + 20% ARI events. The flows are then piped to the driveway and flow through concrete channel discharging to the WDC stormwater reticulation system via the road side kerb.

Prepared by:

Reviewed by:

Matthew Murray Engineer Grant Stevens
Chartered Professional Engineer

This may not chickage acress the proporth, it must be reticulated at higher the proporty herendamy via stictable means refer to mountain tag standards sht 7 for example.

The installation of the trule with internal septems needs to be certified by Ruchardson Staras price to issue of acc.

This Brown. Than there star.

File: 9716 - Lizarn - 31 July 2009

00596 0608

30**3**∶

Richardson Stevens Consultants (1996) Ltd.

CONSULTING CIVIL & STRUCTURAL ENGINEERS

2 SEAVIEW ROAD, WHANGAREI.

Ph (09) 438 3273. Fax (09) 438 5734.

E-mail engineers@richardsonstevens.co.nz

File No.

9716

Plan Ref. No.

Calculated by.

MM

Checked by.

Date.

31/07/2009

Refers to.

Subdivision Attenuation - Lot 2 DP 17077

Client.

Lizam holdings

Calculations are based on Auckland Regional Council's TP 10 and TP 108

#### **Development Catchment Information**

#### **PREDEVELOPMENT**

Catchment area =

280 m<sup>2</sup>

Soil type: Type B-C Volc/clay (pg 8 section 3.2 for soil des)

Change in height =

1 m

length of catchment=

0.02 km

Slope (Sc)=

0.025

catchment slope - see page 14

Predevelo	pment Pe	rmeable Are	as	Predevelop	ment Im	pervious A	reas
T	Area	CN	1		Area	CN	
	(m²)	(Apx B)			(m²)	(Apx B)	
A1	210	70	clay/volcanic loam	A1	70	98	existing garage
A2				A2	0	98	
A3		1		A3	0	98	
	210	Area total	_		70	Area tot	al
CN =	70.0	_		CN =	98.0		
la=	5.0	mm		la=	0.0	mm	
C=	1			C=	0.6		
t <sub>c</sub> =	0.166	hrs	10.0 min	t <sub>c</sub> =	0.166	hrs	10.0 min
t <sub>e</sub> ≖	0.111	hrs	6.6 min	t <sub>p</sub> =	0.111	hrs	6.6 min
S=	108.9	mm		S=	5.2	mm	
Inputs Int	o HEC-H	MS - Perme	able Basin	Inputs Into	HEC-H	MS - Impe	ervious Basin
Area (KM	2)		0.000210 (KM2)	Area (KM2	)		0.000070 (KM2)
Initial Abs	straction		5.0 (mm)	Initial Abs	traction		0.0 (mm)
Curve No			70.0	Curve No.			98.0
Lag Time			6.6 (MIN)	Lag Time			6.6 (MIN)
POSTDE	VELOP	MENT	, ,				

Catchment area =

280 m<sup>2</sup>

Catolinia	. I I C GI C G	2,00 111							
Permeable	Areas		Imperv	rious Area	ıs		Roof		
	Area	CN		Area	CN	1		Area	CN
	(m²)	(Apx B)		(m²)	(Apx B)			(m²)	(Apx B)
A1	Ò	70	A1	142	98	drive/	A1	138	98
A2		1	A2			turnaroun	A2		Ī
A3			A3			1	A3		-
	0	Area total		142	Area tota	Ī		138	Area total
CN =	0.0	<b>-</b>	CN =	98.0	_		CN =	98.0	-
la=	5.0	mm	la=	5.0	mm		la≃	5.0	mm
C=	1		C=	0.6			C=	0.6	
t <sub>e</sub> =	0.000	hrs	t <sub>c</sub> =	0.166	hrs		t <sub>c</sub> =	0.166	hrs
t <sub>o</sub> =	0.000	hrs	t <sub>o</sub> =	0.111	hrs		t <sub>p</sub> =	0.111	hrs
Ś=	0.0	mm	Ś=	5.2	mm		S=	5.2	mm
Inputs Into	HEC-HN	<b>MS</b>	Inputs	Into HEC	-HMS -		Inputs Into	HEC-HMS	S -
Permeable	e Basin		imper	meable B	asin		Impermea	ble Basin	
Area (KM2	2)	0.000000 (Ki	<b>Л</b> 2)	0.00014	2 (KM2)			0.000138	3 (KM2)
Initial Abs	traction	5.0 (m	m)	5.0	) (mm)			5.0	0 (mm)
Curve No.	•	0.0	·	98.0	ס <u>י</u>			98.6	כ
Lag Time		0.0 (M	IN)	6.6	6 (MIN)			6.0	6 (MIN)
Tank Out	tlets	Üs	e 5000l Pror	nax PM5	000, 1.6m	<u>diamete</u>	r, 2.65m h	<u>igh</u>	
Lleina a L	ow Flou	· ·		62 A / 2				<u> </u>	

Using a Low Flow Orifice

 $Q = 0.62 A (2g h_i)$ 

**Exit Size** Exit oriface size 5 yr 22 mm 100yr 50 mm

Pipe Area = 0.000380 m<sup>2</sup>

0.001963 m<sup>2</sup>

Invert Level

0.000000 m

1.90000 m

## Outputs From HEC-HMS STORMWATER FLOWS CURRENT

Hydrologic Element	Drainage Area	Peak Discharge	Time of Peak	Volume
	m³	1/sec		m³
postdevimp	142	2.89	12:00	18.6
postdev Roof	138	2.81	12:00	18.1
Predev imperv	<b>7</b> 0	1.43	12:00	9.2
Predev permeable areas	210	2.50	12:00	15.0
Rooftank	138	1.25	12:20	18.0
total postdev flow	280	3.88	12:00	36.6
total Predev	280	3.93	12:00	24.2
Maximum Tank Storage	2.80 m <sup>2</sup>	3		

#### 100 year ARI Flows

Hydrologic Element	Drainage Area	Peak Discharge	Time of Peak	Volume
	m³ ¯	l/sec		m³
postdevimp	142	5.45	12:00	35.5
postdev Roof	138	5.30	12:00	34.5
Predev imperv	70	2.69	12:00	17.5
Predev permeable areas	210	6.17	12:00	36.6
Rooftank	138	4.35	12:10	35.0
total postdev flow	280	8.72	12:00	70.5
total Predev	280	8.86	12:00	54.2
Maximum Tank Storage	4.10 m <sup>3</sup>	3		

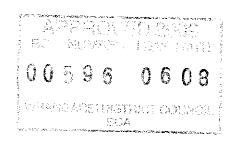
#### STORMWATER FLOWS FUTURE

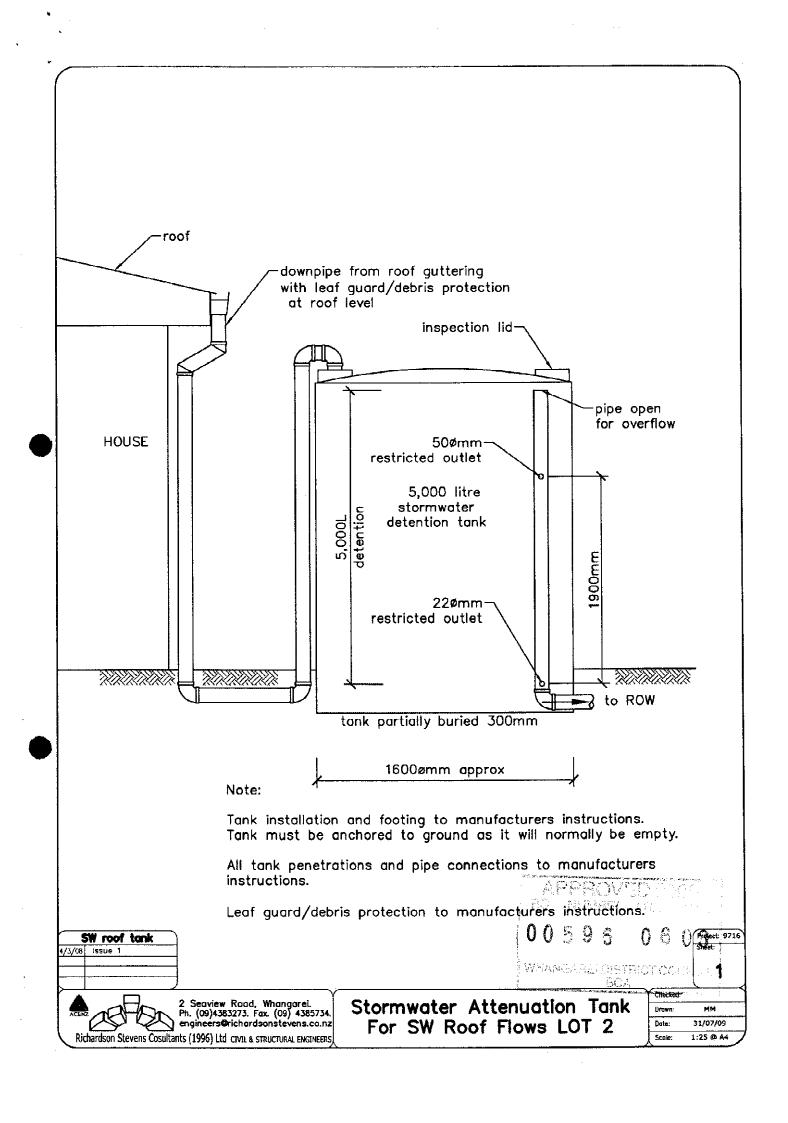
5 year	ARI	+20%	FI	ows

Hydrologic Element	Drainage Area	Peak Discharge	Time of Peak	Volume
	m³	l/sec		m³
postdevimp	142	3.48	12:00	22.5
postdev Roof	138	3.38	12:00	21.8
Predev imperv	<b>7</b> 0	1.71	12:00	11.1
Predev permeable areas	210	3.29	12:00	19.7
Rooftank	138	1,41	12:20	21.7
total postdev flow	280	4.59	12:00	44.2
total Predev	280	5.01	12:00	30.8
Maximum Tank Storage	3.50 m	3		

#### 100 year ARI +20% Flows

Hydrologic Element	Drainage Area	Peak Discharge	Time of Peak	Volume
	m³	l/sec		m³
postdevimp	142	6.55	12:00	42.8
postdev Roof	138	6.36	12:00	41.6
Predev imperv	70	3.23	12:00	21.1
Predev permeable areas	210	7.83	12:00	46.5
Rooftank	138	5.19	12:10	41.5
total postdev flow	280	10.95	12:00	84.3
total Predev	280	11.06	12:00	67.6
Maximum Tank Storage	4.40 m	3		





Box 433



#### **Code Compliance Certificate BC0900596** Section 95, Building Act 2004 Issued: 23 February 2010

#### The Building

Street Address of building:

66 A King Street

Whangarei 0112

Legal Description of land where building is located:

LOT 2 DP 403954

LLP 123238

Building name:

N/A

Location of building within site/block number:

N/A

Level unit number:

N/A

Current, lawfully established use:

N/A

Year first constructed:

2009

#### The Owner

Hannley Properties Ltd 25 Puriri Park Road

Maunu

Whangarei 0110

Phone number:

09 438 1946

Mobile number:

N/A

Facsimile number:

N/A

N/A

Email address:

Website:

N/A

First point of contact for communications with the building consent authority:

#### **Contact Person**

Homeworld Design & Build Limited PO Box 391

Whangarei 0140

09 438 3779

Mobile number:

N/A

Facsimile number:

09 438 3778

Email address:

Phone number:

N/A

Website:

N/A

Street address/registered office:

66 A King Street

Whangarei 0112

Creating the ultimate living environment

Forum North, Private Bag 9023 Whangarei 0148, New Zealand Telephone: +64 9 430 4200 Facsimile: +64 9 438 7632 Email: mailroom@wdc.govt.nz Website: www.wdc.govt.nz

#### **Building Work**

**New Dwelling** 

**Building Consent number** 

BC0900596

Issued by:

Whangarei District Council

#### **Code Compliance**

The building consent authority named below is satisfied, on reasonable grounds, that -

(a) The building work complies with the building consent.

Signature

Support Assistant – Code Compliance Position

On behalf of: Whangarei District Council

23 February 2010

**Code Compliance Certificate BC0900596** 

## Operative District Plan - Environments





Thursday, February 17, 2022

Scale: 1:500

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## Operative District Plan - Map Legend



Coastal Area

Feature

Landscape

**Outstanding Natural** 

**Outstanding Natural** 

#### **Environment Maps**

#### Northpower Critical Strategic Rural Industry Overhead Lines CEL Fonterra Kauri Milk Northpower Critical Processing SRIE - Ancillary Underground Lines CEL Irrigation Farms Multi Title Site **Business 1** Rescue Helicopter Flight **Business 2** State Highway **Business 3** Arterial Road Business 4 Collector Road Town Basin Local Road Port Nikau Designation Marsden Point Port Scheduled or Overlay Area: Airport Oil Refinery Overlay Living 1 Living Overlay Living 2 Living 3 Rural (Urban Expansion) Kamo Walkability Rural Living Marsden Primary Centre Rural Production Urban Transition Rural Village Centre Rural Village Industry Ruakaka Equine Rural Village Residential Open Space Papakāinga Future Marine Village Future Environment

#### **Resource Areas Maps**



#### **Coastal Areas Maps**



#### **All District Plan Maps**



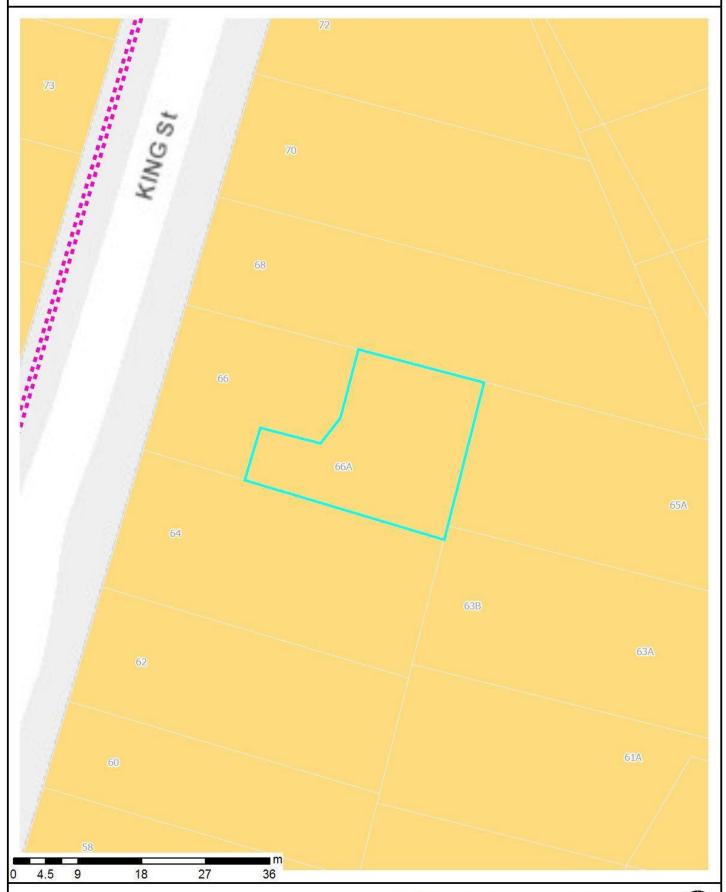
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## District Plan Appeals Version - Zones





Thursday, February 17, 2022

Scale: 1:500

## District Plan Appeals Version - Map Legend



#### **Zone Maps**

#### Northpower Critical Overhead Lines CEL Northpower Critical Underground Lines CEL ■ Multi Title Site Rescue Helicopter Flight Designation Rule PKA 1.5.1 indicative only, Maori Land Court data Papakainga Precincts and Development Rural (Urban Expansion) Rural Living Zone Rural Production Zone Rural Village Centre Sub-Rural Village Industry Sub-Rural Village Residential Sub-Zone Strategic Rural Industries Fonterra Kauri Milk Processing SRIE - Ancillary Irrigation Farms Marsden Primary Centre

		Ruakaka Equine Zone
		Large Lot Residential Zone
		Low Density Residential Zone
		General Residential Zone
		Medium Density Residentia Zone
а		Neighbourhood Centre Zone
		Local Centre Zone
		Commercial Zone
	166	Shopping Centre Zone
		Mixed Use Zone
	//	Waterfront Zone
		City Centre Zone
		Light Industrial Zone
		Heavy Industrial Zone
	(-)	Airport Zone
	+ +	Hospital Zone
		Port Zone
		Development
		Open Space Zone
		Sport and Active Recreatio Zone

Natural Open Space Zone

## Resource Areas Maps

*	Notable and Public Trees	
<b>€</b>	Heritage Buildings, Sites & Objects	E
•	Sites of Significance to Maori	
	Runway	
	Air Noise Boundary	
<del></del>	Outer Control Boundary	I
	Esplanade Priority Area	
_	Coastal Hazard 1	1
	Coastal Hazard 2	
	Strategic Railway Line Protection Area	**
	Strategic Road Protection Area	į
	Indicative Road	
Road H	Hierarchy	
_	National	
_	Regional	i
_	Arterial	
	Primary Collector	
_	Secondary Collector	

		Flood Susceptibile
	दुरुस्	Mining Hazard Area 1
	252	Mining Hazard Area 2
	<u> </u>	Mining Hazard Area 3
		Scheduled Historic Area
		Fonterra Noise Control Boundary
		Helicopter Hovering Area
		QRA Quarrying Resource Area
		QRA Mining Area
	<b>***</b>	QRA Buffer Area
1		QRA 500m Indicative Setback
		Goat Control
		Coastal Area
		Outstanding Natural Feature
		Outstanding Natural Landscape

#### Дрреаіз

NZTA and KiwiRail

Kainga Ora

Other

### **Coastal Areas Maps**



#### **All District Plan Maps**

Low Volume
Access

Northpower Tower CEL-Cat1

National Grid Tower

Northpower Overhead Critical Line Cel-Cat1

National Grid Line

Coastline

Coast, rivers and streams

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