









### Information in a LIM includes:

#### **Building Consents Licenses and Requisitions**

- Building Permits/Consents issued on the property.
- Any outstanding works, Code Compliance Certificates for consents issued since 1993.
- If a compliance schedule has been issued for the building and when the related Warrant of Fitness expires.
- Any other notice, order, or requisition affecting the land or any building on the land previously issued by Council.
- The status of the land in relation to the contamination of soil by hazardous substances.
- Whether the property has a licence relating to the sale of food, the sale of liquor or other licence (under Health Act 1956).

#### **Rates**

- Current rating valuation.
- · Annual rates levy.
- Penalties charged during the year.
- Outstanding amounts for current instalment period.
- · Rates arrears.
- · Water charges (commercial only).

#### **District Plan information**

- Zoning of the property as defined by Operative and/or Proposed District Plans.
- Environmental Protection Overlay.
- Whether the site is listed as a Heritage Item, Heritage Precinct or Archaeological, Historic or Cultural.
- Registered historic and notable trees on the site.
- All Resource Consents approved in relation to property.
- Notified Resource Consents in process at the subject site and adjoining properties.

#### **Public works**

 Any proposed public works that may directly affect the property, where it is known.

#### Drainage/water

- Information on public stormwater and wastewater pipelines on the property as shown on Council's log plans.
- · Water toby location.

#### **Special features**

 Such as erosion, subsidence, filling, flooding avulsion, falling debris, slippage, alluvion, or inundation and soil report in relation to the property, where Council has such information available.

### Information NOT included in a LIM

- For information in relation to State Highways please contact New Zealand Transport Agency.
- Plans for and/or activities for any parks and/or reserves in the vicinity of the property - contact the Parks and Open Spaces Unit on 07 838 6622.
- Hamilton City Council does not hold any information concerning electricity and gas and telephone connections.
   Information may be obtained from the relevant companies.
- Non-notified Resource Consent applications in process on the subject site.
- Any decisions on adjacent property.

#### **LIM Report**



**Property Address:** 9 Dingwall Court Hamilton

**Legal Description:** Lot 173 DP S81457

**Applicant:** Jane Maree Pike

Date of Issue: 02 May 2025

Thank you for your application for a Land Information Memorandum on the above property. This report is a result of a detailed clerical search of Hamilton City Council's records.

Please note, no physical inspections have been carried out in relation to your request. If you require a physical inspection of the property, you will need to obtain the services of a qualified person from the private sector.

The information contained in this report is given without prejudice and is valid at the date of issue only. Hamilton City Council reserves the right to serve requisitions at any time should the need become apparent.

Customer Services - LIMs 260 Anglesea Street, Hamilton Phone 07 838 6699

Email: lims2@hcc.govt.nz

#### PLEASE NOTE:

This Land Information Memorandum has been prepared for the purposes of Section 44A of the Local Government Official Information and Meetings Act 1987 and contains all the relevant information relating to the land held by Council. It is based on a search of Council's property records and there may be other information relating to the land which has not been specifically recorded against this property or known to the researcher. Other organisations may hold information relevant to this property, for example Waikato Regional Council and network utilities companies for electricity, gas and telephone information.

**City Waters Information** 

**Public Water & Waste Services:** 

A water connection is showing as serving the property.

The water supply is logged as being 4.5m from the left hand boundary.

A slotted storm water pipeline is located on the property right of way. This is installed for land drainage of low lying or wet areas, and not to be used for house connections.

A stormwater connection is shown on the log plan as serving the property.

A public stormwater pipeline is shown as passing through the right of way to the property.

A stormwater manhole number SWK19022 is shown on the log plan as located on the right of way to the property.

A wastewater connection is shown on the log plan as serving the property.

A public sanitary sewer pipeline is shown as passing through the right of way to the property.

A sanitary manhole number WWK19031 is shown on the log plan as located on the right of way to the property.

**Refuse Collection Day:** Wednesday

**Trade Waste:** 

No information in relation to the discharge of Trade Waste are currently held in respect to this property/business premises.

Inundation/Flooding:

Flood data relevant to this property is shown on the map.

This flood data is the best available information Council holds for this property at this time.

People with an interest in the property should note the limitations below and obtain independent advice from a suitably qualified professional as to the suitability of the land for their purposes.

Our flood mapping information is updated from time to time and these updates can be found on the Floodviewer tool <a href="http://hamilton.govt.nz/floodviewer">http://hamilton.govt.nz/floodviewer</a>, along with other flood types and rainfall scenarios, full definitions of these flood types, and supporting information.

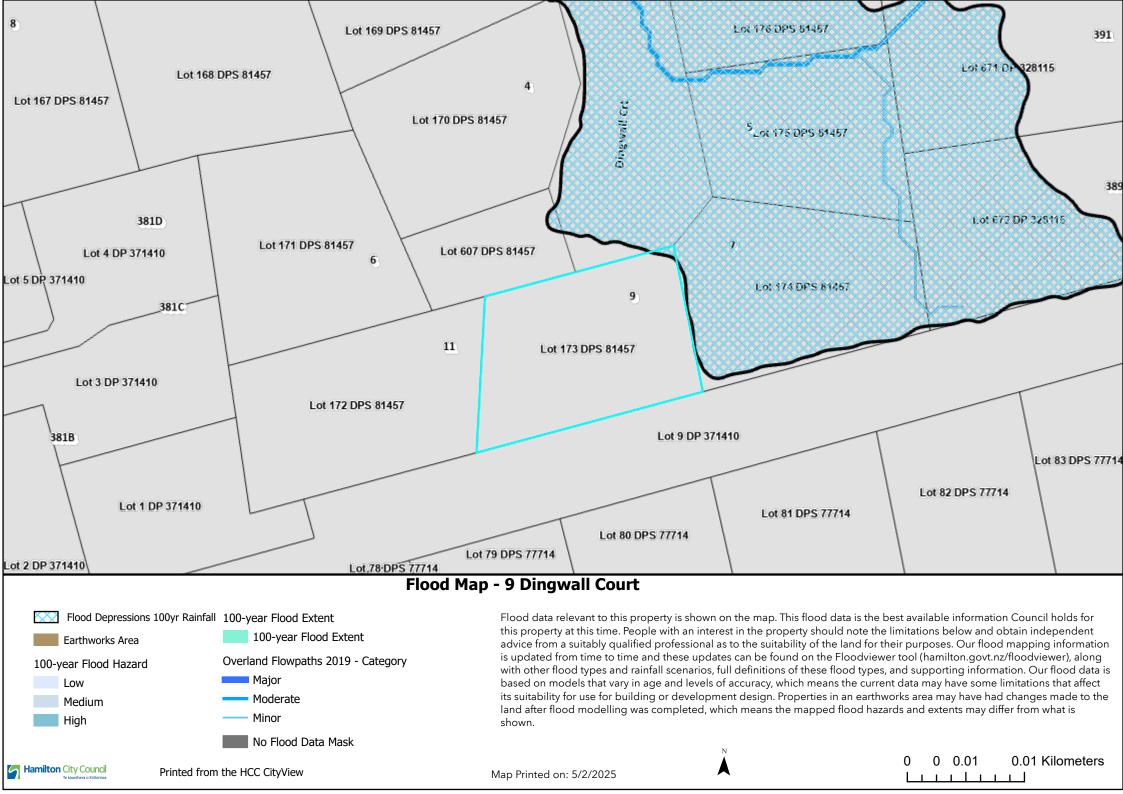
Our flood data is based on models that vary in age and levels of accuracy, which means the current data may have some limitations that affect its suitability for use for building or development design.

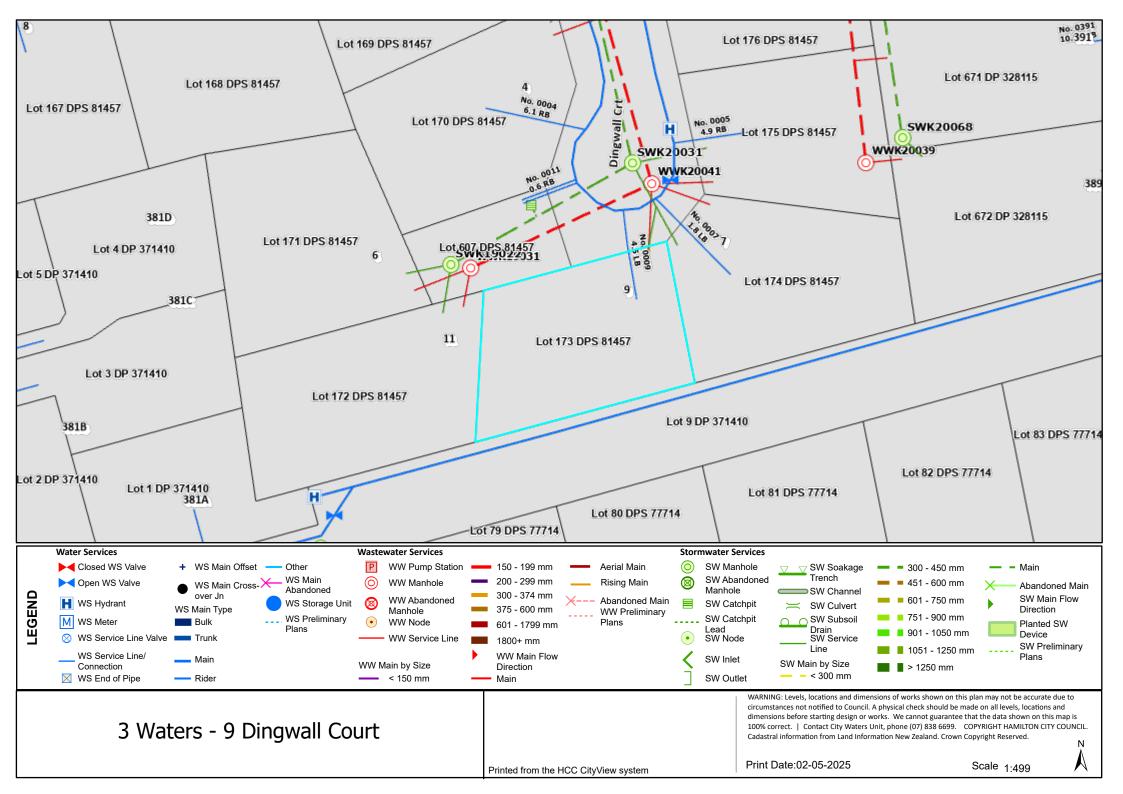
Properties in an earthworks area may have had changes made to the land after flood modelling was completed, which means the mapped flood hazards and extents may differ from what is shown.

Prospective purchasers should note the limitations disclosed above and obtain independent advice from a suitably qualified professional as to the suitability of the land for their purposes.

**Special Features:** None recorded for this property (Information on slips etc)

**Please Note:** Levels, locations and dimensions of drainage/water works shown on plans may not be accurate, due to circumstances not notified to Council. A physical check should be made on all levels, locations and dimensions before starting design or works.





#### **Building Information**

With effect from 31<sup>st</sup> March 2005 Section 363 of the Building Act 2004 makes it an offence, in respect of any building intended for public use, to use or permit a person to use any part of that building that is affected by building work for which no building consent was obtained, or where a building consent was obtained, but no code compliance certificate was issued.

#### **Building Consents on File:**

Year	Number	Description	Issued	Code Compliance Certificate
2000	407	New Dwelling and Attached Garage	6/03/2000	13/07/2000

Plumbing and drainage is incorporated in the above consent.

Please Note: Building, Plumbing and Drainage Permits prior to 1993 will not have been issued with a Code Compliance Certificate, as this requirement did not come into effect until 1993.

**Building Consents issued by Private Certifier:** None recorded for this property.

Building Exemptions on file: None recorded for this property.

**Certificate of Acceptance on file:** None recorded for this property.

**Notices and Requisitions:** None recorded for this property.

Information provided to Council under section 362T(2) of the Building Act 2004: None recorded for this property.

Information held under Section 124 of the Weathertight Homes Resolution Services Act 2006: None recorded for this property.

**General Information:** None recorded for this property.

**Record of Fill:** Copies attached ✓

**Legal File / Bonds / Encumbrances:** None recorded for this property.

**Earthquake Risk:** None recorded for this property.

Wind Zone: Low.

**Swimming Pool:** None recorded for this property.

**Building Warrant of Fitness:** Not applicable to residential properties.

#### *Important to Note:*

In line with Local Government Official Information and Meetings Act 1987 as of October 2015, we no longer included building consent or building/drainage permit plans within the LIM report. If you require more information, please contact Customer Services Centre at Hamilton City Council.

Prior to the Building Act 1991, Council was not required to keep detailed records for building permits issued. As such, limited information is held and, in some cases, we are unable to identify building permits for particular properties.

The information provided in this application is in accordance with Section 44A (2) of the Local Government Official Information and Meetings Act 1987 (LGOIMA). In addition, Hamilton City Council informs the applicant that historic information (limited to basic consent details- no plans held) may, or may not, be contained in the 'Historic Building Register'. These registers have been archived at the Central Library (Garden Place) and are open for inspection in accordance with sec. 15 (1) (a) of the LGOIMA 1987.

#### If work has been carried out without a building consent:

With the introduction of the Building Act 2004, the service of providing what has been commonly known as "Safe and Sanitary" inspection has been discontinued. There is no longer the ability to make an application to Council for this service.

The Building Act 2004 allows for any person to apply for a "Certificate of Acceptance" for any work that has been completed without a building consent. This is however only applicable to work carried out after the inception of the Building Act 1991 (1 July 1992). A "Certificate of Acceptance" must be applied for on the appropriate form.

For any work completed without a building consent and prior to 1 July 1992 there is no process available through Council for acceptance or qualification of this work. Where such building work is the subject of a condition for a building report in a sale and purchase agreement, then you will need to obtain the services of a qualified person from the private sector.

Council is bound by the Building Act 2004 and has a role to ensure the health and safety of the public with regard to buildings is always maintained. If you are aware of a situation that you believe compromises the health and safety of building users, then you need to refer the matter to Council at the earliest date.

For access to forms and further information, please visit our website: www.buildwaikato.co.nz

#### **Code Compliance Certificate** No: 407/2000



Building Consent No. 407/2000 Section 43(3), Building Act 1991 Issued by the Hamilton City Council

Private Bag 3010 Hamilton New Zealand

Phone 07 838 6699

www.hcc.govt.nz

Date:

13 July 2000

Applicant:

Ms E Percy

Mailing Address:

270 Bankwood Road

HAMILTON

2001

**Project** 

Application Description:

New Dwelling And Attachd Garage

Stage:

Work Type:

**New Construction** 

Intended Life:

>50 years

**Property** 

Address:

9 Dingwall Crescent

Hamilton 2001

Property Reference

Lot 173 DP S81457

This is:

- A final code compliance certificate issued in respect of the building work under the above building consent.
- An interim code compliance certificate in respect of part only, as specified in the attached particulars, of the building work under the above building consent.
- This Certificate is issued subject to the conditions specified in the attached ....... page(s) headed "Conditions of Code Compliance Certificate No. 407/2000" (being this certificate).

Signed for and on behalf of the Hamilton City Council:

NZCB BUILDING INSPECTOR CO-ONDINATOR

Name: Position:

**Authorised Officer** 

**Building Control Unit** 





1 1 MAY 1998

Worley Consultants Limited 240 Tristram Street PO Box 434

PO Box 43 Hamilton

New Zealand 64-7-834 8980

Telephone Fax

64-7-834 8981

Please reply to: Our reference:

Park Spill

Colin Jacobson 51 904 97\ckl02\cbj

8 May 1998

Callum Brae Ltd. c/- CKL Surveys Ltd PO Box 171 HAMILTON

Attention:

Rod Keucke

Dear Sir

#### CALLUM BRAE SUBDIVISION STAGE II: NZS 4404 APPENDIX B CERTIFICATION

In accordance with your instructions, a soils investigation of the Callum Brae Subdivision, Stage II, has been undertaken so that a NZS 4404 Appendix B Certificate for the subdivision can be issued (ie confirming the land is suitable for building development).

#### 1.0 Background

The Callum Brae Subdivision, Stage II, consists of 79 residential Lots assessed off the Callum Brae Stage 1 subdivision and was developed by Callum Brae Ltd. in late 1997/early 1998. The land on which the subdivision is constructed was previously flat to low-lying pasture land.

The Lots on the south-western side of the subdivision are adjacent to the site of the old Hamilton City Council Rototuna landfill which was in operation from 1974 to 1985. In 1985 the landfill area was capped and the site of the old landfill will now form a recreational reserve within the Callum Brae subdivision development.

The Callum Brae Stage II subdivision is bounded by the existing Callum Brae Stage 1 subdivision to the south, future residential development to the north, north-west and east and the recreational reserve to the west.

The legal description of the proposed subdivision is Lots 2, 4-6 & Pts 7-9 DPS 15280 and the general layout of the development is as shown on Plan 96417 prepared by CKL Surveys Ltd.

#### 2.0 Site Topography and Subdivision Earthworks

The ground levels across the subdivision can be classified as flat to low-lying although the ground level does rise slightly on the northern side of the subdivision.

Prior to development of the subdivision, there were isolated slight depressions across the site and a network of shallow v-drains situated adjacent to the eastern boundary of the old landfill site and along the alignment of some of the fence lines which bisected the site.

These low areas and open drains were filled as the subdivision was developed and this filling was controlled and completed in accordance with NZS 4431. Details on the fill areas are discussed in section 6.0 below.

In addition to the fill areas noted above, the balance of the earthworks undertaken during the construction of the subdivision consisted of excavations to form the underground services and the construction of the road pavements.

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## 3.0 Soils Investigation

developed) but are directly applicable to this report as there was only minor filling on 4 of the lots. To provide an indication of the subsoil conditions on the Callum Brae II subdivision, a total of 21 scala penetrometer tests and 12 hand augured boreholes (all to a depth of 2.4m below ground level) were undertaken at the locations shown on the attached site plan. These soil tests were undertaken in March 1997 (ie. before the subdivision was

overlying alternating layers of moist, firm silt and fine/medium sands to a depth of at least 2.4m below ground level. The borehole results show the subsoils beneath the subdivision consist generally of 200 to 400mm of topsoil

noted above In some of the boreholes, thin silty clay or clay lenses were encountered as distinct bands within the materials

No water table was reached in any of the bore holes so the ground water table at the time of testing ( late March 1997 ) must be at least 2.4m below ground level. However, the soils became noticeably wetter with increasing

filling placed on subdivision site by the previous land owner other than some crushed metal placed on the topsoil From our limited subsoil investigation (one borehole on approximately every 5th lot) it appears there has been no layer on Lot 200 which was probably part of an old stock race system.

are generally sufficient to provide the 100 kPa allowable soil bearing pressure required for dwellings to be constructed in accordance with NZS 3604, "Light Timber Framed Buildings not requiring specific design", with the exception of the areas in the vicinity of the Lots described below. The scala penetrometer test results show the density and bearing capacity of the subsoils across the subdivision

The subsoils on Lots 169 and 191 have insufficient bearing capacity down to a depth of between 1.5m to 1.8m below ground level and Lots 163, 166, 172, 182, 187, 209, 219, and 226 have a layer of slightly soft soils, approximately 300mm thick, at a depth varying between 1200mm to 2400mm below ground level.

## 4.0 Foundation Recommendations

From the scala penetrometer test results, the required 100 kPa allowable soil bearing capacity is generally available on most of the Lots, once the upper 200mm to 400mm thick topsoil layer is removed, but dwelling foundations in the vicinity of Lots 169 and 191 will require over-excavation to a depth of between 1.5m to 1.8m below ground to remove the soft soil layers.

We therefore recommend that excavation and subsequent backfilling with an imported granular fill material would be the preferred foundation system for a typical concrete floor slab dwelling constructed on the Callum Brae Stage II subdivision

any excavation of these layers will be required unless scala penetrometers on the lots not tested in our preliminary lenses are relatively deep and are only slightly below the minimum density required for NZS 3604, we do not expect In addition, on eight of the lots tested, ( Lots 163, 166, 172, 182, 187, 209, 219, and 226 ) it was noted there were 300mm thick layers of softer materials at a depth of between 1.2m to 2.4m below ground level. However, as these investigation, indicates that the layer of softer material is closer to the ground surface

## 5.0 Former HCC Landfill Site

The old Hamilton City Council Rototuna landfill site is on the western boundary of the subdivision. will not form part of the residential development and will be left as a recreational reserve. The landfill site



Under the Resource Management Act 1991, the owners of a closed landfill site (in this case the HCC) are responsible for the maintenance of the landfill site and any possible discharges from the closed landfill site. Discharges in this case could be landfill gases from the buried rubbish that can enter either the atmosphere or migrate laterally to the adjacent subdivision and/or leachate from the old landfill site which could contaminate groundwater in the vicinity

The landfill was operated by the HCC from 1974 to 1985 using the standard practices of the day and hazardous materials were prohibited. We consider that there will be no detrimental impact on the adjacent subdivision from the closed landfill and can confirm the HCC have installed a cut-off drain along the eastern boundary of the old landfill site to intercept and collect any gas and/or leachate discharges from the site.

adopted for the closed landfill site and the implementation of any subsequent containment measures if required The HCC have advised they accept full responsibility for the on-going monitoring and containment measures

## 6.0 Fill Areas

The filling undertaken during the construction of the Callum Brae Stage II subdivision consisted of the following:

- approximately 1200mm. Filling of the shallow localised depressions on lot 181 and lots 186 to 188. The maximum depth of filling was
- Filling of the shallow (900mm deep) farm drains which crossed through parts of the subdivision. The exact location of the filled drains is detailed on the as-built subdivision plans.

All of the fill areas were stripped of all vegetation, topsoil and soft spots prior to filling and the subgrade was then inspected and tested before the fill materials were placed.

All filling used on the subdivision consisted of a mixture of silts and fine/medium sands excavated from the road pavements. The fill material was placed, compacted, tested and certified in accordance with NZS 4431:1989 "Code of Practice for Earth Fill For Residential Development".

## 7.0 Summary

The Callum Brae Stage II subdivision will consist of 79 residential Lots. The legal description of the proposed subdivision is Lots 2, 4-6 & Pts 7-9 DPS 15280. The scope of development is as shown on the scheme plan 96417 prepared by CKL Surveys Ltd.

the requirements of Appendix B NZS 4404 are satisfied subject to the following: A soils and site investigation has been undertaken to confirm whether the subdivision is suitable for residential type building development in accordance with NZS 3604. Based on the results from this investigation, we can advise

- 3 standard residential type building foundations. needed to improve the bearing capacity of the near-surface subsoils Generally, the subsoils within the proposed subdivision have sufficient density and bearing capacity for However, on some lots, excavation and sand filling will be
- $\equiv$ venting/containment/control system on the eastern boundary of the old land fill to prevent discharges into the subdivision. The old landfill site will now form a recreational reserve within the Callum Brae subdivision landfill gases and/or leachate from the buried rubbish to enter either the atmosphere or migrate laterally to the adjacent subdivision. As a result of this investigation the HCC have recently installed a development. The adjacent former HCC landfill site has been investigated by the HCC to determine the potential for be a result of this investigation the



The isolated low-lying areas on lot 181 and lots 186 to 188 plus the shallow open drains have been control filled in accordance with NZS 4431, with all vegetation and topsoil stripped from the areas prior to being filled, and any weak materials appropriately dealt with.

An Appendix B NZS 4404 certificate stating the subdivision is suitable for residential building development is attached.

### 8.0 Limitations

The recommendations and options contained in this report are based upon data from a limited number of scala penetrometer tests and boreholes as described above. Inferences about the nature and continuity of the subsoils away from boreholes are considered reasonable, but cannot be guaranteed.

This report has been prepared for the particular project described in the owner's brief to us and no responsibility is accepted for the use of any part of this report in other contexts or for any other purposes.

Yours faithfully WORLEY CONSULTANTS LIMITED

1. b. Jawobso

COLIN JACOBSON CIVIL/STRUCTURAL ENGINEER

### Enclosures:

- NH Site Plan Soil Test Results

## APPENDIX B

Signed: L- & Jawasa Date: 8 May	4. This professional opinion is furnished to the Council and the subdividing owner for their purposes alone, on the express condition that it will not be relied upon by any other person and does not remove the necessity for the normal inspection of foundation conditions at the time of erection of any dwelling.	(ii)	(ii)	(i) Subsoil testing in accordance with NZS 3604 Appendix C is carried foundations designed accordingly.	<ul> <li>(d) The original ground not affected by filling is suitable for the erec buildings not requiring specific design in terms of NZS 3604 and re that:</li> </ul>	(III)	(ii)	(0)	<ul> <li>(c) The filled ground is suitable for the erection thereon of residential specific design in terms of NZS 3604 and related documents:</li> </ul>	<ul> <li>(b) The completed works give due regard to land slope and foundation</li> </ul>	* (a) The earth fills shown on the attached Plan No. 96417 compliance with the Code of Practice of the Hamilton Ci	3. In my professional opinion, not to be construed as a guarantee, I conside	<ol><li>The extent of my inspections during construction, and the results of described in my report dated May 1998.</li></ol>	<ol> <li>I am a Registered Engineer experienced in the field of soils engineering subdividing owner as the Soils Engineer on the above subdivision.</li> </ol>	Hereby confirm that:	PO Box 434, Hamilton (Name and Address of Firm)	I Colin Barry Jacobson of Worley Consultants Lim (Full Name)	Location Hukanui Road, Hamilton	Owner Callum Brae Ltd	Subdivision Callum Brae Stage II	STATEMENT OF PROFESSIONAL OPINION AS TO SUITABILITY OF LAND FOR BUILDING DEVELOPMENT	Private Bag, Hamilton	Hamilton City Council	150
Date: 8 May 1998	I and the subdividing owner for their purposes slied upon by any other person and does not bundation conditions at the time of erection of			0	uitable for the erection thereon of residential of NZS 3604 and related documents providing				thereon of residential buildings not requiring ed documents:	slope and foundation stability considerations.	96417 have been placed in Hamilton City Council.	guarantee, I consider that:		of soils engineering and was retained by the we subdivision.		s of Firm)	Worley Consultants Limited				NAL OPINION AS TO LDING DEVELOPMENT			

HUKANUI ROAD 0 385 179 178 : 177 5 172 S. 157 1kt 1 0FS 1996 Cf 1039/169 © 209 77 138/1445 DRUMESORIAN JPlace 218 x 219 5

KEY

Scala penetrometer Tests • Scala Penetrometer and Hand Auger Tests •

SOIL INVESTIGATION LOCATION PLAN

NO DESCRIPTION REVISIONS CONTRACTOR MUST VERIFY ALL DIMENSIONS OF THE JOB REFORE COMMENCING WORK COPYRIGHT © WORLEY CONSTICTANTS LTD CHO HWAR May CHECKED APPROVED DATE PRINTED AVA WORLEY WORLEY GILLMAN LIMITED Callum Brae Ltd. SHEET TITLE Callum Brae Subdivision Stage II ORIGINAL SCALE DRAWING NO

51.904.97

Sheet 202

## SCALA PENETROMETER ST RESULTS

PROJECT:
CLIENT:
LOCATION: Callum Brae - Stage 2
Paramount Developments Ltd
As shown on plan

JOB NO.: DATE:

TEST SPEC
NZS 4402, Test 6.5.2: 1988.
Determination of the penetration of a soil.
Hand method using a dynamic cone penetrometer

TEST RESULTS

3.3 - 3.6	3.0 - 3.3	2.7 - 3.0	2.4 - 2.7	2.1 - 2.4	1.8 - 2.1	1.5 - 1.8	1.2 - 1.5	0.9 - 1.2	0.6 - 0.9	0.3 - 0.6	0.0 - 0.3	LOT No. DEPTH (m)
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				12	7	9	10	16	17	14	თ	1Lot 160 Lot 163
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				15	14	∞	12	15	13	10	8	Lot 197

SOIL INVESTIGATION LOCATION PLAN

See plan attached

Transcribed by: 8 Mucseint

Comments: Scala penetrometer tests were stopped at 1.2m penetration and then recommenced in augered hole.

Stacy Goldsworthy

### SCALA PENETROMETER-T т S RESULTS

PROJECT: CLIENT: LOCATION:

Callum Brae - Stage 2 Paramount Developments Ltd As shown on plan

JOB NO.: DATE:

TEST SPEC
NZS 4402, Test 6.5.2: 1988.
Determination of the penetration of a soil.
Hand method using a dynamic cone penetrometer

TEST RESULTS

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SOIL INVESTIGATION LOCATION PLAN

See plan attached

Scala peneirometer tests were stopped at 1.2m penetration and then recommenced in augered hole

Transcribed by:00

Mhozesons

Comments:

## LOG OF INVESTIGATION

PROJECT: Soils Investigation
CLIENT: Paramount Developments Ltd
LOCATION: Lot 160 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: Lot 160

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							Ö				6						GRAPHIC LOG
							End Of Log at 2.4m			interbedded thin silty clays, moist, loose.	Light brown fine to medium SAND with some silt, with		pumiceous gravel, moist, loose, slightly plastic.	Light greyish brown fine SANDY SILT with rare fine	Light greyish brown SILT, moist, loose.	Dark brown organic SANDY SILT, damp, (Topsoil).	MA LEKIAL DESCRIPTION
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LOGGED BY: Stacy Goldsworthy

COMMENTS:

## 000 0 INVESTIGATION

PROJECT: CLIENT: LOCATION:

Soils Investigation
Paramount Developments Ltd
Lot 163 Callum Brae II

JOB No: DATE: AUGER No.: 51 904 97 30/3/97 Lot 163

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							End Of Log at 2.4m	Light grey SILTY CLAY, moist, firm.		Light yellowish brown fine to medium SAND with some silt, moist, loose.		Greyish brown SAND, damp, loose, clean.			Light greyish brown fine to medium SAND.	Dark brown organic SANDY SILT, damp, (Topsoil).	MATERIAL DESCRIPTION
																	SHEAR
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					1		1								1		WATER

LOGGED BY: SIP Stacy Goldsworthy

PROJECT:
CLIENT:
LOCATION: LOGGED BY: SI 0.0 . 0 2.0 3. 0 4.0 DEPTH 0,250 1,200 1,000 1,650 Stacy Goldsworthy GRAPHIC -0G Soils Investigation
Paramount Developments Ltd
Lot 166 Callum Brae II loose. plastic Orange brown fine to medium SAND with minor silt, Light grey CLAYEY SILT, moist, stiff, moderately Greyish brown fine SANDY SILT, moist, loose damp, loose Dark brown organic SANDY SILT, damp, (Topsoil) Light brown moist, loose Light greyish brown SILTY fine SAND, pumiceous End Of Log at 2.4m Light grey SILTY CLAY, soft, wet, highly plastic. fine to COMMENTS: medium SAND with minor silt, moist, 0 (i) MATERIAL DESCRIPTION 0 77 Z STIGATION JOB No: DATE: AUGER No.: SHEAR VANE SCALA NUMBERS ARE BLOWS PER 300mm DEPTH 51 904 97 30/3/97 Lot 166 PENETROMETER SCALA  $\overline{\phantom{a}}$ 10  $\ddot{\omega}$ 9  $\odot$ တ  $\neg$  $\odot$ WATER

## 000 0 INVESTIGATION

PROJECT: CLIENT: LOCATION: Soils Investigation
Paramount Developments Ltd
Lot 175 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: Lot 175

4.0		1		ω Φ		2.400		2.0 —	L		1.300	0 0	0.79			0.200	0.0	u) H1c
											and the same of th							GRAPHIC LOG
					Eid Oi Fog at 2. Till	1-1-2-2-1-3-1-3-1-3-1-3-1-3-1-3-1-3-1-3-				loose.	Light greyish brown interbedded pumiceous SANDS, moist,	Light grey CLAYEY SILT with pockets of silty fine sand, moist, firm.	Light grey fine SAND with some silt, moist, loose.			Light brown SILTY fine SAND, moist, moderately dense	Dark brown organic SANDY SILT, damp, (Topsoil).	MATERIAL DESCRIPTION
																		SHEAR
		1	ī	1	ı		<u></u>	o o	3	<u>,</u>	12	φ	насиваническовнуваничнаническ	ω	73		ת	SCALA PENETROMETER
		1					I	1		L			1	man.				WATER

LOGGED BY: SI

COMMENTS:

PROJECT: CLIENT: LOCATION: LOGGED BY: 2.0 3.0 1.0 0.0 4.0 DEPTH 3 1.700 PP Al Les & GRAPHIC LOG Bhoosenit Soils Investigation
Paramount Developments Ltd
Lot 179 Callum Brae II dense. Reddish brown SAND with minor silt, moist, moderately End Of Log at 2.4m Light greyish brown fine to medium SAND, wet, loose. Dark brown organic SANDY SILT, damp, (Topsoil). COMMENTS: 0 (i) MATERIAL DESCRIPTION 9 ZK STIGATION JOB No : DATE: AUGER No.: SCALA NUMBERS ARE BLOWS PER 300mm DEPTH SHEAR 51 904 97 30/3/97 Lot 179 SCALA PENSTROMETER 8  $\vec{N}$ g 9 17 တ egΘ WATER LEVEL

### 0 (D) 0 NAMESTICATION

PROJECT: CLIENT: LOCATION: Soils Investigation
Paramount Developments Ltd
Lot 182 Callum Brae II

> JOB No: DATE: AUGER No.: 51 904 97 30/3/97

Lot 182

4.0		l			2:	, , , , , , , , , , , , , , , , , , ,	2.0			.0	0.750	<u>i</u>	0.200	DEPTH (m)
5					Q									GRAPHIC LOG
					End Of Log at 2.4m	Light greyish brown, SiLTY fine to medium SAND, wet, loose.				Hodelatery delise.	Brown interbedded SANDS and fine GRAVELS, moist,	Joose.	Dark brown organic SANDY SILT, damp, (Topsoil).	MATERIAL DESCRIPTION
			and the state of t			1								SHEAR
	1	1	t	ı	T	თ	တ	14	16	19	မ	ω	O	SCALA PENETROMETER
														WATER

LOGGED BY: SIP

Stacy Goldsworthy

COMMENTS:

## . ග O INVESTIGATION

PROJECT:
CLIENT:
LOCATION: Soils Investigation Paramount Developments Ltd Lot 187 Callum Brae II

JOB No: DATE: AUGER No.: 51 904 97 30/3/97 : Lot 187

A 0		1	٥	ມ ⊃			2.0 -	l	1	1.0		. 1		(m)
L	L			1	7,450		1.98			1.050	0,600	0.250		
														GRAPHIC LOG
					End Of Log at 2.4m		Light grey SILTY CLAY, moist, soft.		wet, loose.	Grey SILTY fine SAND with some clay, slightly plastic,	Light greyish brown fine to medium SAND with some silt, damp, loose.	Light brown fine SANDY SILT, loose, moist.	Dark brown organic SANDY SILT, damp, (Topsoil).	MATERIAL DESCRIPTION
	······································						1							VANE
	t	1	norway and the same of the sam	ı	a	<del>-</del>	9	œ	Ø	9	10	8	თ	PENETROMETER
	<u> </u>		1			1		. 1			1	1		LEVEL

LOGGED BY: 8

Stacy Goldsworthy Ahuesant

COMMENTS:

### 0 **(1)** $\bigcirc$ NVESTIGATION

PROJECT: CLIENT: LOCATION:

Soils Investigation
Paramount Developments Ltd
Lot 191 Callium Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: Lot 191

1

4.0		1			3.0		2,400	2.100	2.0 —	 		1.0 -0.100	- Door	0.200	I	DEPTH (m)
																GRAPHIC LOG
							End Of Log at 2.4m	Light greyish brown fine to medium SAND with some silt, wet, loose.		Light grey mottled light orange CLAYEY SILT, moist, soft, moderately plastic.		Light greyish brown fine to medium SAND, moist, pumiceous, loose.	Light greyish brown SILTY fine to medium SAND, moist, loose.	Yellowish brown SILT with some fine sand, moist, loose.	Dark brown organic SANDY SILT, damp, (Topsoil).	MATERIAL DESCRIPTION
	 										I			.ł	1	SHEAR
	ſ		f	ŧ		ı	ı	12	ಐ	4	ၯ	თ	ن ن	3	တ	SCALA PENETROMETER
		1								na.						WATER

LOGGED BY: SIR Stacy Goldsworthy

COMMENTS:

#### 0 (I) 0 -Z (1) ATION

PROJECT: CLIENT: LOCATION: Soils Investigation
Paramount Developments Ltd
Lot 200 Callum Brae II

JOB No: DATE: AUGER No.: 51 904 97 30/3/97 Lot 200

2,0 0 7 0.0 3,0 4.0 DEPTH (E) 2,400 1.900 0,650 GRAPHIC LOG dense Light brown SILTY fine SAND, damp, loose crushed gravel fill. Dark brown organic SANDY SILT, damp, (Topsoil), some Light grey SILTY CLAY, moist, firm, moderately plastic. End Of Log at 2.4m Greyish brown SILT with some clay, moist, moderately DESCRIPTION MATERIAL SHEAR VANE PENETROMETER SCALA  $\frac{1}{2}$ <u>2</u> 그 0 72 ယ် 9  $\infty$ LEVEL WATER

LOGGED BY: SI Stacy Goldsworthy Rheascut

WORLEY CONSULTANTS LTD 10 G 0 INVESTIGATION

PROJECT: CLIENT: LOCATION: Soils Investigation
Paramount Developments Ltd
Lot 209 Callum Brae II

JOB No: DATE: AUGER No.: 51 904 97 30/3/97 : Lot 209

	4.0 —	1		<u>.</u>	ມ ວ			2.0					1	c.	DEPTH (m)
)						2.490			1.650	Ę				0.250	GRAPHIC LOG
						End Of Log at 2.4m		moderately plastic.		Light greyish brown fine to medium pumiceous SAND, moist, loose, clean.			Light greyish brown SILT with some fine sand, damp, loose.	Dark brown organic SANDY SILT, damp, (Topsoil).	MATERIAL DESCRIPTION
SCALA NUA								and the same and t	<u></u>	and the state of t					SHEAR
SCALA NUMBERS ARE BLOWS PER 300mm DEPTH		l	1	t	5	1	14	O)	ω	7	10	ū	16	ഗ	SCALA PENETROMETER
ER 300mm DEPTH	]	1				1									WATER

LOGGED BY: Stacy Goldsworthy

COMMENTS:

WORLEY CONSULTANTS LTD PROJECT:
CLIENT:
LOCATION: Soils Investigation
Paramount Developments Ltd
Lot 216 Callum Brae II O Õ 0 INVESTIGATION JOB No : DATE: AUGER No.: 51 904 97 30/3/97 Lot 216

4.0	99-148-144-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	ప. 0	1			2.0 -	1	1	.0				DEPTH
				2,400			1 750		1 150	0.700	0.300		GRAPHIC LOG
				End Of Log at 2.4m		Light greyish brown fine SAND with some silt, moist, moderately dense, pumiceous.		Light greyish brown CLAYEY SILT, moist.	gense.	Light greyish brown fine SAND, moist, moderately	Light greyish brown fine SANDY SILT, moist, loose.	Dark brown organic SANDY SILT, damp, (Topsoil).	MATERIAL DESCRIPTION
													SHEAR
1	1	ŀ	1	I	14	24	20	10	20	16	9	თ	SCALA PENETROMETER
			1	<u> </u>			1_						WATER

LOGGED BY: Stacy Goldsworthy

## . G 0 NVESTIGATION

PROJECT: CLIENT: LOCATION: Soils Investigation
Paramount Developments Ltd
Lot 226 Callum Brae II

JOB No: DATE: AUGER No.: 51 904 97 30/3/97 Lot 226

4.0	1	1	ب. ا	) >	· Margini pysyr a v Barb.	·	1	2.0 —	I		,	1.0	1	ı	1	0.0	DEPTH (m)
1				I		2,400		2.050		1.500		1,000		0.550	0.250		
																	LOG
						End Of Log at 2.4m	Light greyish brown fine to medium SAND with some silt, wet, loose.	Light greyish brown CLAY, soft, moist, highly plastic.		Light grey fine SAND with some silt.		Light yellowish brown fine to medium SAND with minor		Light greyish brown SILTY fine SAND, moist, loose.	Yellowish brown SILTY fine SAND, moist, loose.	Dark brown organic SANDY SILT, damp, (Topsoil).	DESCRIPTION .
																	VANE
	1	1	1	L		1	12	-	4	ΟΊ	10	12	&		φ	7	PENETROMETER
		<u>                                     </u>	d-free special			1						1					LEVEL

LOGGED BY:

gg Slacy Goldsworthy

COMMENTS:



Please reply to: Our reference: Colin Jacobson 51 904 97\ckl1\MGW

10 April 1997

Paramount Developments Ltd c/- CKL Surveys Ltd PO Box 171 HAMILTON

Attention:

Mr Rod Keucke

Dear Sir

#### CALLUM BRAE SUBDIVISION STAGE II: NZS 4404 APPENDIX A CERTIFICATION

In accordance with your instructions, a soils investigation of the proposed Callum Brae Subdivision, Stage II, has been undertaken so that an NZS 4404 Appendix A Certificate for the subdivision can be issued (ie confirming the land is suitable for a residential type subdivision).

#### 1.0 Background

The Callum Brae Subdivision, Stage II, will consist of 68 residential Lots assessed off Callum Brae Stage 1 and is being developed by Paramount Developments Ltd. The land on which the proposed subdivision will be constructed is currently pasture.

The Lots on the south-western side of the proposed subdivision are adjacent to the site of the old Hamilton City Council Rototuna landfill which was in operation from 1974 to 1985. In 1985 the landfill area was capped and the site of the old landfill will now form a recreational reserve within the proposed Callum Brae development.

The proposed subdivision will be bounded by the existing Callum Brae Stage 1 subdivision to the south and future residential development to the north, north-west and east.

The legal description of the proposed subdivision is Lots 4 to 8 DPS 15280 and the general layout of the development is as shown on the attached Scheme Plan 96417 prepared by CKL Surveys Ltd.

#### 2.0 Existing Topography and Proposed Earthworks

As briefly outlined in Section 1.0 above, the proposed subdivision is located immediately north of the existing Callum Brae Stage 1 subdivision.

The existing ground levels are generally flat, although there are isolated slight depressions across the site and shallow v-drains at the toe of the old landfill boundary and along the alignment of some of the fence lines. These low areas and open drains will be filled as the subdivision is developed and this filling will be controlled and completed in accordance with NZS 4431.

**PLANNING GUIDANCE** 

Worley Consultants Limited 240 Tristram Street PO Box 434

64-7-839 1182

Hamilton New Zealand Telephone 64-7-838 0069

2 3 APR 1997

TIME\_\_\_\_AM/PM

# SCALA PENETROMETER TEST RESULTS

JOB NO.: DATE:

Callum Brae - Stage 2 Paramount Developments Ltd As shown on plan PROJECT: CLIENT: LOCATION:

TEST SPEC NZS 4402, Test 6.5.2:1988. Determination of the penetration of a soil. Hand method using a dynamic cone penetrometer

## TEST RESULTS

TEST No.		2	ო	4	ហ	ဖ	7	ω	O	10	Ξ	72
] 	Lot 160	Lot 163	Lot 166	Lot 175	Lot 179	Lot 182	Lot 186	Lot 188	Lot 197	Lot 206	Lot 213	Lot 223
0.0 - 0.3		9	9	9	æ	9	4	7	13	Ŋ	9	7
0.3 - 0.6	6	4	8	8	<del></del>	8	9		12	16	6	0
6.0 - 0.9	20	17	10	14	16	12	თ	12	10	13	16	80
0.9 - 1.2	19	16	11	16	14	Ŧ	10	12	-	9	20	12
1.2 - 1.5	6	10	7	10	6	10	9	5	8	7	10	우
	-	6	13	6	12	15	11	1	15	თ	50	2
1.8 - 2.1	17	7	9	ļ.	10	11	15	12	11	9	24	4
2.1 - 2.4	19	12	6	6	14	5	16	17	16	4	4-	12
2.4 - 2.7												
2.7 - 3.0												
3.0 - 3.3												
3.3 - 3.6									1			
				İ								

SOIL INVESTIGATION LOCATION PLAN

See plan attached

PLANNING GUIDANCE

AM/PM

TIME

Comments:

Scala penetrometer tests were stopped at 1.2m penetration and then recommenced in augered hole.

THE PARTY NAMED IN Transcribed by:

## 3.0 Soils Investigation

penetrometer soundings and 12 hand augured boreholes (to a depth of 2.4m below ground level) were undertaken 20 ð total ๗ site, subdivision an indication of the subsoil conditions across the proposed at the locations shown on the attached site plan. To provide

The boreholes show the subsoils consist generally of 200 to 400mm of topsoil overlying alternating layers of moist, firm silt and fine/medium sands to a depth of at least 2.4m below ground level.

In some of the boreholes, thin silty clay or clay lenses were encountered with the above materials.

No water table was reached in any of the bore holes but the soils became noticeably wetter with increasing depth, however, the ground water table at the time of testing ( late March 1997 ) must be at least 2.4m below ground

From our limited subsoil investigation (one borehole on approximately every 5th lot) it appears there has been no filling on the subdivision site other than some crushed metal placed on the topsoil layer on Lots 166, 175, and 197 which was probably part of the old stock race system.

generally sufficient to provide the 100 kPa allowable soil bearing pressure required for dwellings to be constructed The scala penetrometer test results show the density and bearing capacity of the subsoils across the site in accordance with NZS 3604, with the exception of the areas in the vicinity of the Lots described below. The subsoils on Lots 169 and 188 have insufficient bearing capacity down to a depth of 1.5m below ground level and Lots 163, 166, 172, 182, 186, 188, 206, 216, and 223 have a less firm layer, approximately 300mm thick, at a depth varying between 1200mm to 2400mm below ground level.

## 4.0 Foundation Recommendations

From the scala penetrometer test results, 100 kPa allowable soil bearing capacity is generally available on most of the Lots, once the upper 200mm to 400mm thick topsoil layer is removed, but dwelling foundations in the vicinity of Lots 169 and 188 will require over-excavation to a depth of 1.5m below ground to remove the soft soil layers. the preferred foundation system for a typical concrete floor slab dwelling constructed on this proposed subdivision. We therefore recommend that over-excavation and backfilling with imported granular fill material would

thick layers of softer materials but these lenses are relatively deep and only slightly below the minimum density required so we do not expect any over excavation of these layers will be required unless specific testing of the lots 166, 172, 182, 186, 188, 206, 216, and 223) it was noted there were 300mm indicates that the layers of softer materials are closer to the ground surface in some places. On nine of the lots tested, (Lots 163,

## 5.0 Roadway Construction

Based on the scala penetrometer test results and assuming typical design traffic volumes, the **preliminary** pavements depths required for the road network in the proposed subdivision are as below: The subdivision will be accessed from Callum Brae by a system of local streets, cul-de-sacs and right-of-ways.

	PLANNING GILLANDE	CONNOE	2 3 APR 1997	
UNDERCUT DEPTH	250mm - 275mm	250mm - 300mm	200mm - 250mm	
OVERALL PAVEMENT DEPTH	500mm - 525mm	425mm - 450mm	350mm - 400mm	
ROAD TYPE	Local Street	Cul-de-sac	Right-of-ways	

AMPM



- 4.01 Notes:
- Undercut depths are based on a 150mm thick M4/GAP 40 basecourse layer.

  Overall pavement depth is from the subgrade to the top of the basecourse layer and so does not include the seal layer.

## Former HCC Landfill Site 6.0

The old Hamilton City Council Rototuna landfill site is on the south-western boundary of the proposed subdivision. The landfill site will not form part of the residential development and will be left as a recreational reserve.

laterally to the adjacent properties and/or leachate from the old landfill site which could contaminate Discharges in this case could be landfill gases from the buried rubbish that can enter either the atmosphere or possible discharges from the closed landfill site. (in this case the HCC) a closed landfill site Under the Resource Management Act 1991, the owners of responsible for the maintenance of the landfill site and any groundwater in the vicinity. The landfill was operated by the HCC from 1974 to 1985 using the standard practices of the day and hazardous materials were prohibited. We consider that there will be no detrimental impact on the adjacent subdivision development from the closed landfill and understand that the HCC will soon instigate a testing programme to

The HCC have advised they accept full responsibility for the testing and monitoring of the closed landfill site and the implementation of any subsequent measures to contain or reduce any discharges from the landfill. If the testing programme indicated there could be a potential problem from either gas or leachate discharges, then the standard venting/containment options available should ensure there will be no impact on the adjacent subdivision and the requirements of the Resource Management Act would be complied with.

## 7.0

The shallow localised depressions are intended to be control filled as will the shallow (0.5m deep) farm drains which cross through parts of the proposed subdivision. All proposed fill areas There will be no areas of uncontrolled fill on the proposed Callum Brae Stage II subdivision. are to be stripped of all vegetation, topsoil and soft spots prior to filling. All filling will be placed, tested and certified in accordance with NZS 4431:1989 "Code of Practice for Earth Fill For Residential Development"

#### Summary 8.0

The proposed Callum Brae Stage II subdivision is located off Callum Brae Stage 1 and will consist of 68 residential Lots. The legal description of the proposed subdivision is Lots 4 to 8 DPS 15280. The scope of proposed development is as shown on the attached scheme plan 96417 prepared by CKL Surveys Ltd.

soils and site investigation has been undertaken to confirm whether the subdivision is suitable for residential type svelopment in accordance with NZS 3604. Based on the results from this investigation, we can advise the requirements of Appendix A NZS 4404 are satisfied subject to the following: development in accordance with NZS 3604.

- Generally, the subsoils within the proposed subdivision have sufficient density and bearing capacity for standard residential type building foundations. However, on some lots, over-excavation and sand filling will be needed to improve the bearing capacity of the near-surface subsoils.  $\in$
- The subsoils within the area of the proposed road network will require undercuts in the order of 200mm to 275mm to enable the pavements to be constructed.  $\equiv$



- HCC to determine if there is a potential for gas/leachate migration into the proposed subdivision. The main concerns relate to potential lateral migration of gas. If the investigations indicate there is a possibility for contamination, then to comply with the Resource Management Act, the HCC will need to install a The adjacent former HCC Landfill site will require an investigation programme to be implemented by the venting/containment/control system to prevent discharges onto the subdivision.
- The shallow open drains and isolated depression areas on the proposed subdivision which are to be levelled are to be control filled in accordance with NZS 4431, with all vegetation and topsoil stripped from the areas prior to being filled, and any weak materials appropriately dealt with. 3

An Appendix A NZS 4404 certificate stating the subdivision is suitable for residential development is attached

The recommendations and options contained in this report are based upon data from the limited number of Scala Inferences about the nature and continuity of subsoil away from boreholes are considered reasonable, but cannot be guaranteed. tests and boreholes described above.

This report has been prepared for the particular project described in the owner's brief to us and no responsibility is accepted for the use of any part of this report in other contexts or for any other purposes.

WORLEY CONSULTANTS LIMITED Yours faithfully

ENGINEERING MANAGER ROGER B COTTER

COL'ÍN JACOBSON CIVIL/STRUCTURAL ENGINEER 1.6. Jouches

Enclosures:

4. 2

Site Plan Soil Test Results

## APPENDIX A

The Borough / City / County Engineer ö

Hamilton City Council, Private Bag, Hamilton

# STATEMENT OF PROFESSIONAL OPINION AS TO SUITABILITY OF LAND FOR SUBDIVISION

Subdivision Callum Brae Stage II  Owner Paramount Developments Limited  Location Hukanui Road, Hamilton  I Colin Barry Jacobson of Worley Consultants Limited  (Full Name)  PO Box 434, Hamilton	(Name and Address of Firm)
--	----------------------------

## Hereby confirm that:

- I am a Registered Engineer experienced in the field of soils engineering and more particularly land slope and foundation stability as applicable and was retained by the subdividing owner as the Soils Engineer on the above subdivision.
- Site investigations have been carried out under my direction and are described in my dated April 1997. તં
- ō, I am aware of the details of the proposed scheme of subdivision, and of the general nature proposed engineering works as shown on the following drawings: က်

CKL Scheme Plan 96417

(Insert references to all drawings including dates of latest amendments)

- In my professional opinion, not to be construed as a guarantee, I consider that the proposed works give due regard to land slope and foundation stability considerations and that the land is suitable for the proposed subdivision provided that: 4.
- The subsoils within the proposed subdivision generally have sufficient density and bearing capacity for standard residential type building foundations. However, on some lots over excavation and sand filling will be needed to improve the bearing capacity of the near surface subsoils. <u>@</u>

We recommend therefore that subsoil testing in accordance with NZS 3604 Appendix C is carried out on each lot, prior to construction, to confirm that 100 kPa allowable bearing pressures can be provided by the subsoils.

- The subsoils within the area of the proposed road network will require undercuts in the order of 200mm to 275mm to enable the pavements to be constructed. <u>e</u>
- The adjacent former HCC Landfill site will require an investigation programme to be implemented by the HCC to determine if there is a potential for gas/leachate migration into the proposed subdivision. The main concerns relate to potential lateral migration of gas. If the investigations indicate there is a possibility for contamination, then to comply with the Resource Management Act, the HCC will need to install a venting/containment/control system to prevent discharges into the subdivision. ΰ
- The areas of the proposed subdivision which are to be filled are to be control filled in accordance with NZS 4431 with all vegetation and topsoil stripped from the areas prior to being filled and any weak materials appropriately dealt with. ত্ত
- This professional opinion is furnished to the Council and the subdividing owner for their purposes alone, on the express condition that it will not be relied upon by any other person and does not remove the necessity for further inspection during the course of the works. ιĊ

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Signed

## SCALA PENETROMETER TEST RESULTS

JOB NO.: DATE:

Callum Brae - Stage 2 Paramount Developments Ltd As shown on plan PROJECT: CLIENT: LOCATION:

TEST SPEC NZS 4402, Test 6.5.2:1988. Determination of the penetration of a soil. Hand method using a dynamic cone penetrometer

TEST RESULTS

21	Lot 226	8	8	13	15	17	6	10	14			
20	Lot 216	7	9	=		12	11	9	8			
9	Lot 220	ß	6	14	15	16	15	14	12			
18	Lot 210	9	10	18	24	6	10	12	15			
17	Lot 200	6	9	ω	80	14	12	14	6	l		
16	Lot 194 Lot 200	œ	10	13	15	12	80	14	15			
70	Lot 191	9	6	10	8	16	11	10	14			
14	Lot 172	7	æ	10	11	5	8	16	14			
13	Lot 169	9	4	7	4	9	12	တ	7			
TEST No. DEPTH (m)		0.0 - 0.3	0.3 - 0.6	0.6 - 0.9	0.9 - 1.2	1.2 - 1.5	1.5 - 1.8	1.8 - 2.1	1	2.4 - 2.7	3.0 - 3.3	3.3 - 3.6

SOIL INVESTIGATION LOCATION PLAN

See plan attached

PLANNING GUIDANCE

Scala penetrometer tests were stopped at 1.2m penetration and then recommenced in augered hole.

Comments:

AM/PM

TIME

Transcribed by:

### LOG OF INVESTIGATION

PROJECT: Soils Investigation
CLIENT: Paramount Developments Ltd
LOCATION: Lot 160 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: 1

DEPTH GRAPHIC (m) LOG	MATERIAL DESCRIPTION	SHEAR	SCALA PENETROMETER	WATER	
	Dark brown organic SANDY SILT, damp, (Topsoil).		7	1	
0000	Light greyish brown SILT, moist, loose.		o	T	
05890	Light greyish brown fine SANDY SILT with rare fine		20		
	pumiceous gravel, moist, loose, slightly plastic.		<del>ი</del>		
<u> </u>			တ	į į	
· · · · ·	Light brown fine to medium SAND with some silt, with interbedded thin silty clays, moist, loose.		-		/ 
			· ·		
			60		
2,400	End Of Log at 2.4m				
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 0.6			ı		
	PLANNING CHIDANCE		•		
	2 3 APR 1997		ı		
- 1	TIME AMIPM				

SCALA NUMBERS ARE BLOWS PER JOOMM DEPTH

LOGGED BY:

### LOG OF INVESTIGATION

PROJECT: Soils Investigation CLIENT: Paramount Developments Ltd LOCATION: Lot 163 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: 2

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LEVEL		I	3		<u> </u>		<u> </u>				T			[
PENETROMETER	ဖ		+	17	16	10	Ō	2	12	•		,	,	•
VANE							,							
DESCRIPTION	Dark brown organic SANDY SILT, damp, (Topsoil).	Light greyish brown fine to medium SAND.			Greyish brown SAND, damp, loose, clean.		Light yellowish brown fine to medium SAND with some silt, moist, loose.		Light grey SILTY CLAY, moist, firm.	End Of Log at 2.4m			PLANNING GUIDANCE	2 3 APR 1997
Log								1900						
(m)	0.0	0.20			1.0	1	,	0.2	2.090	3,48		3.0		

COMMENTS:

LOGGED BY: Stacy Goldsworthy

### **LOG OF INVESTIGATION**

PROJECT: Soils Investigation CLIENT: Paramount Developments Ltd LOCATION: Lot 166 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: 3

					<u> </u>									
LEVEL				·			I		T	ľ	I			Ī
PENETROMETER		ω	. 01	=	7	<u>e</u> 6	2	თ	ı			ı	,	
VANE														
MATERIAL DESCRIPTION	Dark brown organic SANDY SILT, damp, (Topsoil),	Orange brown fine to medium SAND with minor silt, damp, loose.	Greyish brown fine SANDY SILT, moist, loose.	Light grey CLAYEY SILT, moist, stiff, moderately plastic.	Light greyish brown SILTY fine SAND, pumiceous, moist, loose.	Light brown fine to medium SAND with minor silt, moist, loose.		Light grey SILTY CLAY, soft, wet, highly plastic.	End Of Log at 2.4m			PLANNING GUIDANCE	2 3 APR 1997 TIME AMPM	
GRAPHIC				B ^		0		0						
DEPTH (m)	0.0	0530	00910	1.0	· · ·	000	2.0 -		3.400	1	3.0		<del></del>	<u></u>

LOGGED BY:

### LOG OF INVESTIGATION

PROJECT: Soils Investigation CLIENT: Paramount Developments Ltd LOCATION: Lot 175 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: 4

WATER LEVEL	<u> </u>	<u> </u>	·	<u> </u>		<u></u>	T				1	· · · · · · · · · · · · · · · · · · ·		1
PENETROMETER	rD	Ç	Ŋ	<b>o</b>	o	12	10	9	7	•		4	ı	,
VANE								- 1-m		.1		<del></del>		
MATERIAL DESCRIPTION	Dark brown organic SANDY SILT, damp, (Topsoil).	Light brown SILTY fine SAND, moist, moderately dense.		Light grey fine SAND with some silt, moist, loose.	Light grey CLAYEY SILT with pockets of silty fine sand, moist firm.	Light greyish brown interbedded pumiceous SANDS, moist,	loose.			End Of Log at 2.4m			PLANNING GUIDANCE	2 3 APR 1997 TIME AMPM
GRAPHIC LOG														
DEPTH (m)	0.0	, l		857,8	1.0	<u> </u>	,	2.0		8	r	0.00		

LOGGED BY: Stacy Goldswo

### LOG OF INVESTIGATION

PROJECT: Soils Investigation
CLIENT: Paramount Developments Ltd
LOCATION: Lot 179 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: 5

Beddish brown organic SANDY SILT, damp, (Topsoil).  1.0 dense.  2.0  2.0  End Of Log at 2.4m  PLANNING GUIDANCE  2.3 APR 1997  TIME  AMPAN	DEPTH GRAPHIC (m) LOG	MATERIAL DESCRIPTION	SHEAR	SCALA PENETROMETER	WATER
Reddish brown SAND with minor silt, moist, moderately dense.  Light greyish brown fine to medium SAND, wet, loose.  End of Log at 2.4m  2 3 APR 1997  TIME  AMPM	0	Dark brown organic SANDY SILT, damp, (Topsoil).		ဖ	
Light greyish brown fine to medium SAND, wet, loose.  End Of Log at 2.4m  2 3 APR 1997  TIME AMIPM	0000	Reddish brown SAND with minor silt, moist, moderately dense.		91	
End Of Log at 2.4m  PLANNING GUIDANCE  2 3 APR 1997  TIME  AMPM	, 1			22	' 1
Light greyish brown fine to medium SAND, wet, loose.  End Of Log at 2.4m  PLANNING GUIDANCE  2 3 APR 1997  TIME AMPM				35	,
Light greyish brown fine to medium SAND, wet, loose.  End Of Log at 2.4m  PLANNING GUIDANCE  2 3 APR 1997  TIME  AMIPM	T			8	1 1
End Of Log at 2.4m  PLANNING GUIDANCE  2.3 APR 1997  TIME  AMIPM				17	
End Of Log at 2.4m  PLANNING GUIDANCE  2 3 APR 1997  TIME AMIPM		· Light greyish brown fine to medium SAND, wet, loose.		o	
End Of Log at 2.4m	Tames   Tame			2	,
	3.400	End Of Log at 2.4m		3	
2 3 APR 1997 TIME AMIPM	<u> </u>			1	I
APR 1		PLANNING GUIDANCE		•	
		APR 1			

LOGGED BY:

### LOG OF INVESTIGATION

PROJECT: Soils investigation CLIENT: Paramount Developments Ltd LOCATION: Lot 182 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: 6

	<del></del>				- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				<del>,</del>					
WATER			T T	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1	1	ı j		1	1	1 1	1	1	I
SCALA PENETROMETER	ဖ	ю	6	<u>o</u>	Ó	41	o,	ω		,				
SHEAR									· · · · · · · · · · · · · · · · · · ·		— I.v. a. t	l.,, <u>.</u>		
MATERIAL DESCRIPTION	Dark brown organic SANDY SILT, damp, (Topsoil).	Yellowish brown fine to medium SAND with some silt, loose,	Brown interbedded SANDS and fine GRAVELS, moist,	moderately dense.				Light greyish brown, SILTY fine to medium SAND, wet, loose.	End Of Log at 2.4m			PLANNING GUIDANCE	2 3 APR 1997 TIME AMIPM	
GRAPHIC													· · · · · · · · · · · · · · · · · · ·	
ТН	0.0	8 2 2	0.750	0.1		,	2.0	8	87-72		3.0		1	4.0 -

LOGGED BY:

### LOG OF INVESTIGATION

PROJECT: Solls Investigation CLIENT: Paramount Developments Ltd LOCATION: Lot 186 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: 7

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WATER	· ·		1		1 '				1		ı	I	
SCALA PENETROMETER	Q	œ	10	O)	ô	ω	Ō	8		1		*	
SHEAR													
MATERIAL DESCRIPTION	Dark brown organic SANDY SILT, damp, (Topsoil).	Light brown fine SANDY SILT, loose, moist.	Light greyish brown fine to medium SAND with some silt, damp, loose.	Grev SILTY fine SAND with some clay, slightly plastic,	wet, loose.		Light grey SILTY CLAY, moist, soft.		End Of Log at 2.4m			PLANNING GUIDANCE 2 3 APR 1997	TIME
GRAPHIC		8	8	8	•							1018	
DEPTH (m)	0.0	0520	96	1.0			2.0	, <sub>1</sub> ,	1 ,		0.6		0.

LOGGED BY:

COMMENTS:

SCALA NUMBERS ARE BLOWS PER 300mm DEPTH

### LOG OF INVESTIGATION

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PROJECT: Soils investigation CLIENT: Paramount Developments Ltd LOCATION: Lot 188 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: 8

											D.	<del></del>		
WATER LEVEL	1	1	I		ı	7			<b>.</b>	ı		<u> </u>	1 '	
SCALA PENETROMETER	ဖ	თ	ഹ	ω	. თ	4	ω	12	,		ı	*		
SHEAR						-								
MATERIAL DESCRIPTION	Dark brown organic SANDY SILT, damp, (Topsoil).	Yellowish brown SILT with some fine sand, moist, loose.	Light greyish brown SILTY fine to medium SAND, moist, loose.		Light greyish brown fine to medium SAND, moist, pumiceous, loose.	Light grey mottled light orange CLAYEY SILT, moist, soft, moderately plastic.		Light greyish brown fine to medium SAND with some silt, wet, loose.	End Of Log at 2.4m			PLANNING GUIDANCE	2 3 APR 1997 TIME AWPM	
GRAPHIC														
рертн (m)	0.0	9738	9	1.0		· · · · · · · · · · · · · · · · · · ·	2,0	8:	8	T	3.0		1	4.0 -

LOGGED BY: Stacy Goldsworthy

### **LOG OF INVESTIGATION**

PROJECT: Soils investigation
CLIENT: Paramount Developments Ltd
LOCATION: Lot 197 Callum Brae il

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: 9

					£ "					<u> </u>		<del></del>		
WATER		1	1	<b>i</b> .			ī.	( ) H		Ī	1		1	
SCALA PENETROMETER	6.	27	10	· , =	ω	<del>ا</del> ت	Ţ	16				•		
SHEAR														
MATERIAL DESCRIPTION	Dark brown organic SANDY SILT, damp, (Topsoil), some crushed gravel fill.	Light brown SILTY fine SAND, damp, loose.	Greyish brown SILT with some clay, moist, moderately dense.				Light grey SILTY CLAY, moist, firm, moderately plastic.		End Of Log at 2.4m					
GRAPHIC														
DEPTH (m)	0.0	8 F	0550	0.1		,	2.0 -	1	5.400	1	0.6			4.0 -

LOGGED BY: Stacy Goldsworthy

### LOG OF INVESTIGATION

PROJECT: Soils Investigation CLIENT: Paramount Developments Ltd LOCATION: Lot 213 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: 11

LEVEL	1			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1			1	<u>(.</u>			
PENETROMETER	Ø	o l	70 70	10	50	24	4	•			1	,
VANE				· 				1	<u></u>			
MALEHIAL DESCRIPTION	Dark brown organic SANDY SILT, damp, (Topsoil).	Light greyish brown fine SANDY SILT, moist, loose.	Light greyish brown fine SAND, moist, moderately dense.	Light greyish brown CLAYEY SILT, moist.		Light greyish brown fine SAND with some silt, moist, moderately dense, pumiceous.		End Of Log at 2.4m			PLANNING GUIDANCE	2 3 APR 1997
GRAPHIC												
DEPTH (m)	0.0	*	0.1	85.1	. 1	2.0	B 00 P P P P P P P P P P P P P P P P P P	8	1	3.0		

LOGGED BY: Stacy Goldsworthy

COMMENTS:

SCALA NUMBERS ARE BLOWS PER 300mm DEPTH

### **LOG OF INVESTIGATION**

PROJECT: Soils Investigation CLIENT: Paramount Developments Ltd LOCATION: Lot 223 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: 12

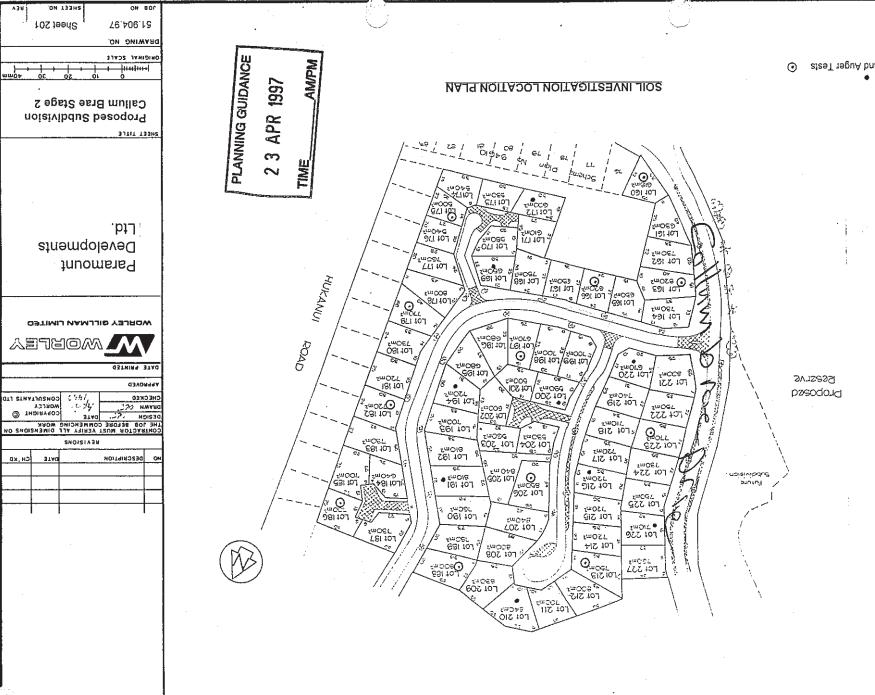
								·								
WATER	<del>                                     </del>		1	T	· · ·	1	1	' k		<b>I</b>		<u>' [</u>	<del></del>	ī	1	I
SCALA PENETROMETER	<u>L</u>	o		ω	5	10	w	4	12			•	•		,	
SHEAR																
MATERIAL DESCRIPTION	Dark brown organic SANDY SILT, damp, (Topsoil).	Yellowish brown SILTY fine SAND, moist, loose.	Light greyish brown SILTY fine SAND, moist, loose.		Light yellowish brown fine to medium SAND with minor	silt, damp, loose.	Light grey fine SAND with some silt.		Light greyish brown CLAY, sort, moist, riighly plastic. Light greyish brown fine to medium SAND with some silt, wet, loose.	End Of Log at 2.4m				PLANNING GUIDANCE	2 3 APR 1997	TIME AM/PM
GRAPHIC																
DEPTH (m)	0.0	0520	999	T	1.0		8	2.0 I	2.030	, s	T	0.0				4.0 T

COMMENTS:

LOGGED BY: Stacy Goldsv

SCALA NUMBERS ARE BLOWS PER 300mm DEPTH

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KEX

Scala penetrometer Tests • Scala Penetrometer and Hand Auger Tests

Vorley Consultants Limited

240 Tristram Street

PO Box 434

Telephone: 64-7-834 8980

CONSULTA
Please reply to: Colin Jacobson

51 904 97\ck11\MGW

Our reference:

15 September 1997

B

Ar on

Paramount Developments Ltd c/- CKL Surveys Ltd PO Box 171 HAMILTON Attention: Mr Rod Keucke

Dear Sir

# CALLUM BRAE SUBDIVISION STAGE II: NZS 4404 APPENDIX A CERTIFICATION

In accordance with your instructions, a soils investigation of the proposed Callum Brae Subdivision, Stage II, has been undertaken so that an NZS 4404 Appendix A Certificate for the subdivision can be issued (ie confirming the land is suitable for a residential type subdivision).

### 1.0 Background

The Callum Brae Subdivision, Stage II, will consist of 79 residential Lots assessed off Callum Brae Stage 1 and is being developed by Paramount Developments Ltd. The land on which the proposed subdivision will be constructed assessed off Callum Brae Stage 1 and is being developed by Paramount Developments Ltd. is currently pasture.

Council Rototuna landfill which was in operation from 1974 to 1985. In 1985 the landfill area was capped and the site of the old landfill will now form a recreational reserve within the proposed Callum Brae development. The Lots on the south-western side of the proposed subdivision are adjacent to the site of the old Hamilton

The proposed subdivision will be bounded by the existing Callum Brae Stage 1 subdivision to the south and future residential development to the north, north-west and east.

4-6 & Pts 7-9 DPS 15280 and the general layout of the The legal description of the proposed subdivision is Lots 2, 4-6 & Pts 7-9 DPS 15280 and the development is as shown on the attached Scheme Plan 96417A prepared by CKL Surveys Ltd.

# 2.0 Existing Topography and Proposed Earthworks

As briefly outlined in Section 1.0 above, the proposed subdivision is located immediately north of the existing Callum Brae Stage 1 subdivision.

site and shallow v-drains at the toe of the old landfill boundary and along the alignment of some of the fence lines. These low areas and open drains will be filled as the subdivision is developed and this filling will be controlled and The existing ground levels are generally flat, although there are isolated slight depressions across the completed in accordance with NZS 4431.

PLANNING GUIDANCE
1 8 SEP 1997
TIME AM/PM

### 3.0 Soils Investigation

penetrometer soundings and 12 hand augured boreholes (to a depth of 2.4m below ground level) were undertaken 2 ð total Ø across the proposed subdivision site, provide an indication of the subsoil conditions at the locations shown on the attached site plan. ၉

The boreholes show the subsoils consist generally of 200 to 400mm of topsoil overlying alternating layers of moist, firm silt and fine/medium sands to a depth of at least 2.4m below ground level.

In some of the boreholes, thin silty clay or clay lenses were encountered with the above materials.

however, the ground water table at the time of testing (late March 1997) must be at least 2.4m below ground table was reached in any of the bore holes but the soils became noticeably wetter with increasing depth, No water evel. From our limited subsoil investigation (one borehole on approximately every 5th lot) it appears there has been no filling on the subdivision site other than some crushed metal placed on the topsoil layer on Lot 200 which was probably part of the old stock race system.

The scala penetrometer test results show the density and bearing capacity of the subsoils across the site are generally sufficient to provide the 100 kPa allowable soil bearing pressure required for dwellings to be constructed in accordance with NZS 3604, with the exception of the areas in the vicinity of the Lots described below. The subsoils on Lots 169 and 191 have insufficient bearing capacity down to a depth of 1.5m below ground level and Lots 163, 166, 172, 182, 187, 191, 209, 219, and 226 have a less firm layer, approximately 300mm thick, at a depth varying between 1200mm to 2400mm below ground level.

### 4.0 Foundation Recommendations

From the scala penetrometer test results, 100 kPa allowable soil bearing capacity is generally available on most of the Lots, once the upper 200mm to 400mm thick topsoil layer is removed, but dwelling foundations in the vicinity of Lots 169 and 191 will require over-excavation to a depth of 1.5m below ground to remove the soft soil layers.

‡ We therefore recommend that over-excavation and backfilling with imported granular fill material would be preferred foundation system for a typical concrete floor slab dwelling constructed on this proposed subdivision. 166, 172, 182, 187, 191, 209, 219, and 226 ) it was noted there were 300mm thick layers of softer materials but these lenses are relatively deep and only slightly below the minimum density required so we do not expect any over excavation of these layers will be required unless specific testing of the lots ndicates that the layers of softer materials are closer to the ground surface in some places. On nine of the lots tested, (Lots 163,

### 5.0 Roadway Construction

Based on the scala penetrometer test results and assuming typical design traffic volumes, the **preliminary** pavements depths required for the road network in the proposed subdivision are as below: The subdivision will be accessed from Callum Brae by a system of local streets, cul-de-sacs and right-of-ways.

PLANNING GUIDANCE	200mm - 250mm	350mm - 400mm	Right-of-ways
	250mm - 300mm	425mm - 450mm	Cul-de-sac
	250mm - 275mm	500mm - 525mm	Local Street
	UNDERCUT DEPTHE	GVERALL PAVENIENT DEPTH	ROADITYPE

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7- N Notes:

Undercut depths are based on a 150mm thick M4/GAP 40 basecourse layer. Overall pavement depth is from the subgrade to the top of the basecourse layer and so does not include the

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### Former HCC Landfill Site 6,0

The old Hamilton City Council Rototuna landfill site is on the south-western boundary of the proposed subdivision. The landfill site will not form part of the residential development and will be left as a recreational reserve. Under the Resource Management Act 1991, the owners of a closed landfill site (in this case the HCC) are responsible for the maintenance of the landfill site and any possible discharges from the closed landfill site. Discharges in this case could be landfill gases from the buried rubbish that can enter either the atmosphere or migrate laterally to the adjacent properties and/or leachate from the old landfill site which could contaminate groundwater in the vicinity. The landfill was operated by the HCC from 1974 to 1985 using the standard practices of the day and hazardous materials were prohibited. We consider that there will be no detrimental impact on the adjacent subdivision development from the closed landfill and understand that the HCC will soon instigate a testing programme to confirm this. The HCC have advised they accept full responsibility for the testing and monitoring of the closed landfill site and the implementation of any subsequent measures to contain or reduce any discharges from the landfill.

If the testing programme indicated there could be a potential problem from either gas or leachate discharges, then the standard venting/containment options available should ensure there will be no impact on the adjacent subdivision and the requirements of the Resource Management Act would be complied with.

### 7.0

control filled as will the shallow (0.5m deep) farm drains The shallow localised depressions are intended to be which cross through parts of the proposed subdivision. There will be no areas of uncontrolled fill on the proposed Callum Brae Stage II subdivision. All proposed fill areas are to be stripped of all vegetation, topsoil and soft spots prior to filling. All filling will be placed, tested and certified in accordance with NZS 4431:1989 "Code of Practice for Earth Fill For Residential Development".

### 8.0

The proposed Callum Brae Stage II subdivision is located off Callum Brae Stage 1 and will consist of 79 residential Lots. The legal description of the proposed subdivision is Lots 2, 4-6 & Pts 7-9 DPS 15280. The scope of proposed development is as shown on the attached scheme plan 96417A prepared by CKL Surveys Ltd. A soils and site investigation has been undertaken to confirm whether the subdivision is suitable for residential type development in accordance with NZS 3604. Based on the results from this investigation, we can advise the requirements of Appendix A NZS 4404 are satisfied subject to the following:

- Generally, the subsoils within the proposed subdivision have sufficient density and bearing capacity for standard residential type building foundations. However, on some lots, over-excavation and sand filling will be needed to improve the bearing capacity of the near-surface subsoils.  $\equiv$
- in the order of 200mm to PLANNING GUIDANCE The subsoils within the area of the proposed road network will require undercuts. 275mm to enable the pavements to be constructed. €

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The shallow open drains and isolated depression areas on the proposed subdivision which are to be levelled are to be control filled in accordance with NZS 4431, with all vegetation and topsoil stripped from the areas prior to being filled, and any weak materials appropriately dealt with. 3

An Appendix A NZS 4404 certificate stating the subdivision is suitable for residential development is attached.

The recommendations and options contained in this report are based upon data from the limited number of Scala tests and boreholes described above. Inferences about the nature and continuity of subsoil away from boreholes are considered reasonable, but cannot be guaranteed. This report has been prepared for the particular project described in the owner's brief to us and no responsibility is accepted for the use of any part of this report in other contexts or for any other purposes.

WORLEY CONSULTANTS LIMITED Yours faithfully

1. E. li. He Calle

ENGINEERING MANAGER ROGER B COTTER

COLIN JACOBSON

CIVIL/STRUCTURAL ENGINEER

Enclosures:

4. 4

Site Plan Soil Test Results

PLANNING GUIDANCE 18 SEP 1997

### **APPENDIX A**

The Borough / City / County Engineer	lamilton City Council, Private Bag, Hamilton
<u>⊣</u> 0:	Ï

### ၀ **OPINION AS** SUITABILITY OF LAND FOR SUBDIVISION STATEMENT OF PROFESSIONAL

Subdivision Callum Brae Stage II  Owner Paramount Developments Limited  Location Hukanui Road, Hamilton	Colin Barry Jacobson of Worley Consultants Limited (Full Name)	PO Box 434, Hamilton (Name and Address of Firm)
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### Hereby confirm that:

- I am a Registered Engineer experienced in the field of soils engineering and more particularly land slope and foundation stability as applicable and was retained by the subdividing owner as the Soils Engineer on the above subdivision.
- Site investigations have been carried out under my direction and are described in my report dated September 1997 ĸi
- and of the general nature of subdivision, proposed engineering works as shown on the following drawings: proposed scheme of I am aware of the details of the က

(Insert references to all drawings including dates of latest amendments) CKL Scheme Plan 96417A

- In my professional opinion, not to be construed as a guarantee, I consider that the proposed works give due regard to land slope and foundation stability considerations and that the land is suitable for the proposed subdivision provided that: 4.
- The subsoils within the proposed subdivision generally have sufficient density and bearing capacity for standard residential type building foundations. However, on some lots over excavation and sand filling will be needed to improve the bearing capacity of the near surface subsoils. <u>a</u>
- We recommend therefore that subsoil testing in accordance with NZS 3604 Appendix C is carried out on each lot, prior to construction, to confirm that 100 kPa allowable bearing pressures can be provided
- The subsoils within the area of the proposed road network will require undercuts in the order of 200mm to 275mm to enable the pavements to be constructed. 9
- The adjacent former HCC Landfill site will require an investigation programme to be implemented by the HCC to determine if there is a potential for gas/leachate migration into the proposed subdivision. The main concerns relate to potential lateral migration of gas. If the investigations indicate there is a possibility for contamination, then to comply with the Resource Management Act, the HCC will need to install a venting/containment/control system to prevent discharges into the subdivision. ত
- The areas of the proposed subdivision which are to be filled are to be control filled in accordance with NZS 4431 with all vegetation and topsoil stripped from the areas prior to being filled and any weak materials appropriately dealt with. Ŧ
- PLANNING GUIDANCE This professional opinion is furnished to the Council and the subdividing owner for their purposes alone, on the express condition that it will not be relied upon by any other person and does not remove the necessity for further inspection during the course of the works. ď.

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Signed	
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Date

15 September 1997

18 SEP 1997

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### **TEST RESULTS** SCALA PENETROMETER

JOB NO.: DATE:

Callum Brae - Stage 2 Paramount Developments Ltd As shown on plan PROJECT: CLIENT: LOCATION:

TEST SPEC NZS 4402, Test 6.5.2: 1988. Determination of the penetration of a soil. Hand method using a dynamic cone penetrometer

### TEST RESULTS

	)						;					
LOT No. DEPTH (m)	Lot 160	Lot 163	Lot 166	Lot 169	Lot 160 Lot 163 Lot 166 Lot 169 Lot 172 Lot 175 Lot 179	Lot 175	Lot 179	Lot 182	Lot 187	Lot 187 Lot 191 Lot 194	Lot 194	Lot 197
0.0 - 0.3	7	9	9	9	7	5	9	9	9	9	9	ω
0.3 - 0.6	တ	14	8	4	8	12	16	က	∞	က	თ	10
0,6 - 0.9	20	17	10	7	10	6	21	တ	10	22	10	13
0.9 - 1.2	<u></u>	16	11	4	11	6	35	19	တ	9	8	15
1.2 - 1.5	တ	10	7	9	5	12	18	16	9	6	16	12
1.5 - 1.8	7	6	13	12	∞	10	17	14	80	4	7	80
1.8 - 2.1	7	2	10	6	16	16	6	6	6	8	10	14
2.1 - 2.4	19	12	6	7	14	11	7	9	13	12	14	15
2.4 - 2.7												
2.7 - 3.0												
3.0 - 3.3												
3.3 - 3.6												

SOIL INVESTIGATION LOCATION PLAN

See plan attached

Scala penetrometer tests were stopped at 1.2m penetration and then recommenced in augustal hole Scala penetrometer tests were stopped at 1.2m penetration and then recommenced in august Scala penetrometer tests were stopped at 1.2m penetration and then recommenced in august Scala penetrometer tests were stopped at 1.2m penetration and then recommenced in august Scala penetrometer tests were stopped at 1.2m penetration and then recommenced in august Scala penetrometer tests were stopped at 1.2m penetration and then recommenced in august Scala penetrometer tests were stopped at 1.2m penetration and then recommenced in august Scala penetrometer tests were stopped at 1.2m penetration and the scalar penetrometer tests were stopped at 1.2m penetration and the scalar penetrometer tests were stopped at 1.2m penetration and the scalar penetrometer tests were stopped at 1.2m penetrome Comments:

ROSOW Transcribed by: PP

Stacy Goldsworthy

TIME

18 SEP 1997

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# SCALA PENETROMETER TEST RESULTS

Callum Brae - Stage 2 Paramount Developments Ltd As shown on plan PROJECT: CLIENT: LOCATION:

JOB NO.: DATE:

TEST SPEC
NZS 4402, Test 6.5.2: 1988.
Determination of the penetration of a soil.
Hand method using a dynamic cone penetrometer

### TEST RESULTS

			Transfer of the Paris of the Pa								-	
Lot 230	<sub>∞</sub>	∞	13	15	7	တ	9	14		1		
Lot 223   Lot 226   Lot 230	7	თ	∞	12	9	2	4	12				
Lot 223	5	တ	14	15	16	15	4	12				
Lot 219	7	ၑ	1	<del></del>	12	11	9	8				
Lot 216	9	တ	16	20	10	20	24	14				
Lot 213 Lot 216	9	10	18	24	9	10	12	15				
Lot 209	5	16	13	10	7	တ	9	14				
Lot 203	6	10	8	8	14	12	14	တ				
Lot 200	13	12	10	7.	∞	15	11	15				
TEST No. Lot 200 Lot 203 Lot 209	0.0 - 0.3	0.3 - 0.6	0.6 - 0.9	0.9 - 1.2	1.2 - 1.5	1.5 - 1.8	1.8 - 2.1	2.1 - 2.4	2.4 - 2.7	2.7 - 3.0	3.0 - 3.3	3.3 - 3.6

SOIL INVESTIGATION LOCATION PLAN

See plan attached

Scala penetrometer tests were stopped at 1.2m penetration and then recommenced in augered hole. Comments:

PLANNING GUIDANCE SEP <del>~</del>

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TIME

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1997



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SCALA NUMBERS ARE BLOWS PER 300mm DEPTH WATER PLANNING GUIDANCE SCALA PENETROMETER 51 904 97 30/3/97 Lot 160 8 SEP 1997 20 19 7 7 9 တ တ ~ JOB No: DATE: AUGER No.: SHEAR LOG OF INVESTIGATION Light brown fine to medium SAND with some silt, with Light greyish brown fine SANDY SILT with rare fine Dark brown organic SANDY SILT, damp, (Topsoil). pumiceous gravel, moist, loose, slightly plastic. interbedded thin silty clays, moist, loose. DESCRIPTION MATERIAL Light greyish brown SILT, moist, loose Soils Investigation Paramount Developments Ltd Lot 160 Callum Brae II COMMENTS: End Of Log at 2.4m LOGGED BY: PStacy Goldsworthy GRAPHIC LOG WORLEY CONSULTANTS LTD PROJECT: CLIENT: LOCATION: 2.400 0.650 1.350 0.300 DEPTH Ê 2.0 3.0 4.0 1.0 0.0

AMIPM

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WATER

PLANNING GUIDANCE PRUMBERS ARE BLOWS PER 300mm DEPTH SCALA PENETROMETER 51 904 97 30/3/97 Lot 163 JOB No: DATE: AUGER No.: SHEAR INVESTIGATION **SEP 1997** Light yellowish brown fine to medium SAND with some Dark brown organic SANDY SILT, damp, (Topsoil). 00 TIME Light greyish brown fine to medium SAND. Greyish brown SAND, damp, loose, clean. DESCRIPTION MATERIAL. Light grey SILTY CLAY, moist, firm. OF Soils Investigation Paramount Developments Ltd Lot 163 Callum Brae II COMMENTS: End Of Log at 2.4m silt, moist, loose. heason Stacy Goldsworthy GRAPHIC LOG WORLEY CONSULTANTS LTD PROJECT: CLIENT: LOCATION: 8 1.000 1,500 2.050 2.400 LOGGED BY: DEPTH Ξ 0.0 3.0 1.0 2.0 4.0

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### LOG OF INVESTIGATION

PROJECT: CLIENT: LOCATION:

Soils Investigation Paramount Developments Ltd Lot 166 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: Lot 166

Dark brown organic SANDY SILT, damp, (Topsoil), damp, loose.  Greyish brown fine to medium SAND with minor silt, damp, loose.  Light grey CLAYEY SILT, moist, stiff, moderately plastic.  Light brown fine to medium SAND, pumiceous, moist, loose.  Light brown fine to medium SAND with minor silt, moist, loose.  Light grey SILTY CLAY, soft, wet, highly plastic.  End Of Log at 2.4m	amp, (Topsoil),  b with minor silt,  f, moderately  D, pumiceous,  ith minor silt, moist,	6 8 8 7 7 7 110 100 100 100 100 100 100 100 1	
Orange brown fine to medium SAND damp, loose.  Light grey CLAYEY SILT, moist, stiff plastic.  Light greyish brown SILTY fine SANI moist, loose.  Light brown fine to medium SAND w loose.  Light grey SILTY CLAY, soft, wet, hit End Of Log at 2.4m	oist, loose.  f, moderately D, pumiceous, ith minor silt, moist,	8 10 10 2 10 10 10 10 10 10 10 10 10 10 10 10 10	
Greyish brown fine SANDY SILT, moist, stiff plastic.  Light grey CLAYEY SILT, moist, stiff moist, loose.  Light brown fine to medium SAND w loose.  Light grey SILTY CLAY, soft, wet, hit End Of Log at 2.4m	oist, loose. f, moderately D, pumiceous, ith minor silt, moist,	11 7 7 10 10	
Light grey CLAYEY SILT, moist, stiff plastic.  Light greyish brown SILTY fine SAN moist, loose.  Light brown fine to medium SAND w loose.  Light grey SILTY CLAY, soft, wet, hit End Of Log at 2.4m	f, moderately D, pumiceous, ith minor silt, moist,	11 7 113 113	
Light greyish brown SILTY fine SANI moist, loose.  Light brown fine to medium SAND w loose.  Light grey SILTY CLAY, soft, wet, hit	D, pumiceous,	7 13 10	
Light brown fine to medium SAND w loose.  Light grey SILTY CLAY, soft, wet, hi	ith minor silt, moist,	13	l
Light grey SILTY CLAY, soft, wet, hi			
End Of Log at 2.4m	ghly plastic.	တ	1
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### LOG OF INVESTIGATION

PROJECT: CLIENT: LOCATION:

Soils Investigation Paramount Developments Ltd Lot 175 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: Lot 175

Light brown organic SANDY SILT, damp, (Topsoil).  Light brown SILTY fine SAND, moist, moderately dense.  Light grey fine SAND with some silt, moist, loose.  Light grey fine SAND with some silt, moist, loose.  Light grey fine SAND with some silt, moist, loose.  Light grey sine SAND with some silt, moist, loose.  Light grey sine SAND with some silt, moist, loose.  Light grey sine SAND with some silt, moist, loose.  Light grey sine SAND with some silt, moist, loose.  Light grey fine SAND with some silt with some			T
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LOGGED BY: Stacy Goldsworthy

COMMENTS:

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### LOG OF INVESTIGATION

PROJECT: CLIENT: LOCATION:

Soils Investigation Paramount Developments Ltd Lot 179 Callum Brae II

JOB No: 51 904 97 DATE: 30/3/97 AUGER No.: Lot 179

0.0 Dark brown organic S  1.0 dense. Light greyish brown fire	Dark brown organic SANDY SILT, damp, (Topsoil). Reddish brown SAND with minor silt, moist, moderately dense.	9 16 21 71 71		
1,700		21 21 35 17		
1,700		35 35 17		
1.700		35		
1.700		18 17		
1,700		17		
	Light greyish brown fine to medium SAND, wet, loose.	တ		
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End Of Log at 2.4m				
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COMMENTS:

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NUMBERS ARE BLOWS PER 300mm DEPTH WATER PENETROMETER 51 904 97 30/3/97 Lot 182 SCALA 16 5 4 9 ന တ တ Q JOB No: DATE: AUGER No.: SHEAR LOG OF INVESTIGATION PLANNING GUIDANCE 18 SEP 1997 Light greyish brown, SILTY fine to medium SAND, wet, Brown interbedded SANDS and fine GRAVELS, moist, Yellowish brown fine to medium SAND with some silt, Dark brown organic SANDY SILT, damp, (Topsoil). TIME DESCRIPTION Soils Investigation Paramount Developments Ltd Lot 182 Callum Brae II COMMENTS: End Of Log at 2.4m moderately dense. loose. loose. Stacy Goldsworthy GRAPHIC WORLEY CONSULTANTS LTD 9 PROJECT: CLIENT: LOCATION: dd 0.200 0.750 2.100 2.400 LOGGED BY: DEPTH  $\Xi$ 1.0 Э О 2.0 4.0 0.0

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SCALA NUMBERS ARE BLOWS PER 300mm DEPTH PENETROMETER 51 904 97 30/3/97 Lot 187 SCALA JOB No: DATE: AUGER No.: SHEAR LOG OF INVESTIGATION PLANNING GUIDANCE AM/PM Light greyish brown fine to medium SAND with some silt, Grey SILTY fine SAND with some clay, slightly plastic, 1997 Dark brown organic SANDY SILT, damp, (Topsoil). SEP Light brown fine SANDY SILT, loose, moist. MATERIAL DESCRIPTION ∞ ~-TIME Light grey SILTY CLAY, moist, soff. Soils Investigation Paramount Developments Ltd Lot 187 Callum Brae II COMMENTS: End Of Log at 2.4m damp, loose. wet, loose. GRAPHIC LOG WORLEY CONSULTANTS LTD PROJECT: CLIENT: LOCATION: d 1,900 2.400 0.600 1,050 LOGGED BY: DEPTH E 1.0 2.0 3.0 0.0 4.0

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WATER

SCALA NUMBERS ARE BLOWS PER 300mm DEPTH PENETROMETER 51 904 97 30/3/97 Lot 191 SCALA 7 9 ന S 9 တ 4  $\infty$ JOB No: DATE: AUGER No.: SHEAR LOG OF INVESTIGATION PLANNING GUIDANCE AM/PM Light greyish brown fine to medium SAND with some silt, Light greyish brown SILTY fine to medium SAND, moist, Yellowish brown SILT with some fine sand, moist, loose. 18 SEP 1997 Light grey mottled light orange CLAYEY SILT, moist, Dark brown organic SANDY SILT, damp, (Topsoil). Light greyish brown fine to medium SAND, moist, TIME DESCRIPTION MATERIAL Soils Investigation Paramount Developments Ltd Lot 191 Callum Brae II COMMENTS: soft, moderately plastic. End Of Log at 2.4m pumiceous, loose, wet, loose. loose. heesand Stacy Goldsworthy GRAPHIC WORLEY CONSULTANTS LTD F0G PROJECT: CLIENT: LOCATION: 0.200 0.500 0.100 2.100 2.400 LOGGED BY: DEPTH 冟 1.0 3.0 4.0 0.0 2.0



NUMBERS ARE BLOWS PER 300mm DEPTH WATER LEVEL PENETROMETER 51 904 97 30/3/97 Lot 200 SCALA 13 5 16 7 10 7 7  $\infty$ JOB No: DATE: AUGER No.: SHEAR OF INVESTIGATION PLANNING GUIDANCE SEP 1997 Dark brown organic SANDY SILT, damp, (Topsoil), some Light grey SILTY CLAY, moist, firm, moderately plastic. Greyish brown SILT with some clay, moist, moderately <u>م</u> TIME Light brown SILTY fine SAND, damp, loose. DESCRIPTION MATERIAL Soils Investigation Paramount Developments Ltd Lot 200 Callum Brae II COMMENTS: End Of Log at 2.4m crushed gravel fill. dense. Aheascut Stacy Goldsworthy GRAPHIC WORLEY CONSULTANTS LTD LOG PROJECT: CLIENT: LOCATION: 8 0,400 0.650 2.400 1.900 LOGGED BY: DEPTH Ξ 1.0 2.0 က (၁ 4.0 0.0

WATER

SCALA NUMBERS ARE BLOWS PER 300mm DEPTH PENETROMETER 51 904 97 30/3/97 Lot 209 SCALA 3 16 9 4 S တ 9 JOB No: DATE: AUGER No.: SHEAR LOG OF INVESTIGATION PLANNING GUIDANCE 1 8 SEP 1997 Light greyish brown fine to medium pumiceous SAND, Light greyish brown SILT with some fine sand, damp, Dark brown organic SANDY SILT, damp, (Topsoil). Light yellowish brown CLAYEY SILT, moist, firm, DESCRIPTION MATERIAL Soils Investigation Paramount Developments Ltd Lot 209 Callum Brae II COMMENTS: End Of Log at 2.4m moist, loose, clean. moderately plastic. loose. PP Aherse LOGGED BY: Stacy Goldsworthy GRAPHIC WORLEY CONSULTANTS LTD 109 PROJECT: CLIENT: LOCATION: 0.250 1,150 .650 2.400 DEPTH E 0.0 1.0 2.0 30 4.0

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WORLEY CONSULTANTS LTD

NUMBERS ARE BLOWS PER 300mm DEPTH WATER LEVEL PENETROMETER 51 904 97 30/3/97 Lot 216 SCALA 10 16 20 20 24 4 9 တ JOB No: DATE: AUGER No.: I SHEAR VANE SCAL AM/PM PLANNING GUIDANCE SEP 1997 Light greyish brown fine SAND with some silt, moist, Light greyish brown fine SANDY SILT, moist, loose. Dark brown organic SANDY SILT, damp, (Topsoil). Light greyish brown fine SAND, moist, moderately <del>~</del> TIME Light greyish brown CLAYEY SILT, moist. DESCRIPTION MATERIAL Soils Investigation Paramount Developments Ltd Lot 216 Callum Brae II moderately dense, pumiceous. COMMENTS: End Of Log at 2.4m dense. ezit Stacy Goldsworthy GRAPHIC **€** ь Б PROJECT: CLIENT: LOCATION: 8 0.300 0.700 1.750 2.400 1.150 LOGGED BY: DEPTH  $\Xi$ 3.0 2.0 0.0 1.0 4.0

ALA NUMBERS ARE BLOWS PER 300mm DEPTH WATER LEVEL PENETROMETER 51 904 97 30/3/97 Lot 226 SCALA 12 72 10 ~ g  $\infty$ S 4 JOB No: DATE: AUGER No.: SHEAR VANE **LOG OF INVESTIGATION** PLANNING GUIDANCE SEP 1997 Light greyish brown fine to medium SAND with some silt, Light yellowish brown fine to medium SAND with minor Light greyish brown CLAY, soft, moist, highly plastic. Light greyish brown SILTY fine SAND, moist, loose. Dark brown organic SANDY SILT, damp, (Topsoil). Yellowish brown SILTY fine SAND, moist, loose. ∞ DESCRIPTION Light grey fine SAND with some silt. Soils Investigation Paramount Developments Ltd Lot 226 Callum Brae II COMMENTS: End Of Log at 2.4m silt, damp, loose. wet, loose. Stacy Goldsworthy GRAPHIC LOG WORLEY, CONSULTANTS LTD 9 PROJECT: CLIENT: LOCATION: 1.950 2.400 0.250 1.000 2.050 LOGGED BY: DEPTH Ê 0.0 1.0 2.0 3.0 4.0

Sheet 201 -76.406.13 DHYMING NO ORIGINAL SCALE Callum Brae Stage 2 Proposed Subdivision .btJ Developments Paramount WORLEY GILLMAN LIMITED A MOUTEA COPYRIGHT © WORLEY (Q) PLANNING GUIDANCE

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SOIL INVESTIGATION LOCATION PLAN

Scala penetrometer Tests • Scala Penetrometer and Hand Auger Tests ©

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### **Planning Guidance Information**

### **1.0 Status of District Plans:**

### **Status of Hamilton City Operative District Plan**

The Hamilton City District Plan became operative on 18 October 2017.

### Where to find the District Plans

To view the Hamilton City District Plan and Planning Maps on line go to http://www.hamilton.govt.nz/operativedistrictplan

### 2.0 District Plan details applicable to this property:

### **Operative District Plan:**

Zone: General Residential Zone

### **Features:**

None recorded for this property • Significant Archaeological, Historic and Cultural Sites: Natural Environment: None recorded for this property None recorded for this property • Electricity Transmission Corridors: None recorded for this property • Natural Hazard Area: Airport Protection Overlay: None recorded for this property None recorded for this property Areas: • Other Features: Infrastructure capacity overlay None recorded for this property • Designations on this Property: Alterations to Designations and Notices of None recorded for this property Requirement for this property:

For further information regarding Alterations to Existing Designations, and Notices of Requirement for new Designations please contact the Planning Guidance Unit on 838 6699.

### 3.0 Resource Consents in regard to this property:

**Resource Consents currently In Progress for this Property:** None recorded for this property.

**Resource Consents granted for this Property:** None recorded for this property.

### 4.0 Active complaints in relation to this property:

None recorded for this property.

### 5.0 Heritage New Zealand registered items in relation to this property:

None recorded for this property.

### 6.0 Information on land adjoining this property

### **Designations Adjoining this Property:**

### **Existing Designations adjoining this property:**

Operative District Plan: None recorded for this property.

### Alterations to Designations and Notices of Requirement adjoining this property:

Operative District Plan: None recorded for this property.

For further information regarding Alterations to Existing Designations, and Notices of Requirement for new Designations please contact the City Planning Unit on 838 6699.

### **Notified Resource Consents currently in progress at adjoining Properties:**

Notified Resource consent applications that are currently being processed at adjoining properties: None recorded for this property.

### **COMMENTS**

The District Plan includes Flood Hazard overlays which identify Low, Medium and High Flood Hazard Areas, identified where applicable in Section 2.0 above under Natural Hazard Areas. This is based on flood data available at the time of development of the District Plan (notified to the public December 2012). In some cases, this may differ to that identified in the City Waters section of this LIM report which includes any relevant 'best available' flood data for this property.

### **Environmental Health Information**

Note:- No inspection of the subject business premises/property has been carried out as a result of this application.

Information concerning any consent, certificate, notice, order, or requisition affecting the land or any building on the land previously issued by Council:

No information in relation to consents, certificates, notices, orders or requisitions are currently held in respect of this business premises/property. This does not preclude the possibility of consents, certificates, notices, orders or requisitions being issued in the future.

### Likely presence of hazardous contaminants known to Council:

Council holds records of properties where certain hazardous activity and industrial landuses (HAIL) that are considered likely to cause land contamination are known to be occurring, may have occurred, or have occurred in the past.

As at the date of issue of this LIM report Council holds no information for the land that is the subject of this LIM in relation to activities and industries that are considered likely to cause land contamination, or in relation to the likely presence of hazardous contaminants.

### Important notes:

The absence of information does not necessarily mean that no hazardous activity or industrial landuse is occurring or has occurred on the land, or the absence of hazardous contaminants on the land, but simply means that no information is currently held by Council.

Council is concerned with human receptors only. You are advised to contact the Waikato Regional Council, who may or may not have further information in relation to HAIL activity and the likely presence of hazardous contaminants for this land, particularly in relation to ecological receptors.

### Disclaimer:

Hamilton City Council accepts no liability for any inaccuracy in, or omission from, the information provided above, or for any consequence of that inaccuracy or omission.

Any person who wishes to make any commercial decisions that involves an assessment of whether the site is impacted by hazardous contaminants should make their own enquiries and decisions.

### Further information:

More information on hazardous activities and industries that are considered likely to cause land contamination can be found at:- <a href="https://environment.govt.nz/publications/hazardous-activities-and-industries-list-hail/">https://environment.govt.nz/publications/hazardous-activities-and-industries-list-hail/</a>

### **City Transportation Information**

### **Road Works:**

Council has an ongoing programme of minor road works, and larger projects that can, from time to time, impact on access to properties and amenity. Generally, we will let neighbouring property owners know when we have work planned through a letter drop. If planned roadworks are of interest to you, information can be found as follows:

- Council regularly updates information on events, projects and major works requiring lane or road closures in Hamilton on its website. You can check this information on our 'Week on the street' page at <a href="https://hamilton.govt.nz/your-council/news/on-the-move/week-on-our-streets">https://hamilton.govt.nz/your-council/news/on-the-move/week-on-our-streets</a>
- Council regularly updates information on minor roadworks on its website. These works require lane or road closures in Hamilton. You can check this information on our Minor Roadworks page at <a href="https://hamilton.govt.nz/your-council/news/on-the-move/hamilton-city-minor-roadworks">https://hamilton.govt.nz/your-council/news/on-the-move/hamilton-city-minor-roadworks</a>

### Rights Of Way / Shared Access:

It is probable that a 'right-of-way' or 'Shared Access' serve this property. You are advised to check with your legal adviser as to what your responsibilities would be with regard to the maintenance of the 'right-of-way' or 'Shared Access' and associated services (including any lighting).

### **Vehicle Crossing:**

For vehicle access it is necessary that this property is served by a properly formed vehicle crossing. If you are unsure as to the adequacy of the crossing, Please contact us as below. More information can be found at <a href="https://hamilton.govt.nz/do-it-online/apply-for-it/apply-for-a-vehicle-crossing/">https://hamilton.govt.nz/do-it-online/apply-for-it/apply-for-a-vehicle-crossing/</a>

### **Road Resurfacing**:

If the road this property is located on is surfaced with hotmix, the road may be resurfaced with chipseal when the current surfacing material reaches the end of its useful life. The end of its life will be when it no longer provides waterproof cover for the underlying pavement layers.

If you require more information on this, please contact the City Infrastructure Transportation Unit team (07) 838 6699.

PHONE 07 838 6688

EMAIL rates@hcc.govt.nz

### RATING INFORMATION

1/5/2025 15:18 Page 1 of 1

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### **RATING UNIT DETAILS**

Rates number 46902 <u>HCC website</u>

Valuation number 04203-507-14 Map

Property address 9 Dingwall Court

Rate category \* Residential General

Separate parts (SUIPs) \* 1

Land value \* \$500,000
Capital value \* \$930,000

<sup>\*</sup> This is our current record and may have changed since rates were set.

Legal description	Area (hectares)	Record of title
Lot 173 DPS 81457	0.0523	SA63D/834

### **RATES BALANCES**

**Balance on 1 July 2024** \$0.00

**2024/2025 annual rates** \$3,613.92 This is not an estimate for next year's rates

 Rates penalties
 \$0.00

 Payments received
 (\$3,006.96)

 Balance to 30 June 2025
 \$606.96

**AMOUNT NOW DUE** \$606.96 To the end of Instalment 4.

### 2024/2025 RATES INSTALMENTS

Instalment	Instalment period	Due date	Instalment amount	Balance outstanding
1	1/7/2024 to 30/9/2024	5/9/2024	\$903.48	\$0.00
2	1/10/2024 to 31/12/2024	28/11/2024	\$903.48	\$0.00
3	1/1/2025 to 31/3/2025	20/2/2025	\$903.48	\$0.00
4	1/4/2025 to 30/6/2025	22/5/2025	\$903.48	\$606.96

### **DETAILS FOR PAYMENT**

Hamilton City Council bank account 02-0316-0030142-06 Particulars Rates Code 46902 Reference 9DingwallCou

Residential properties in Hamilton do not usually pay for water by meter.

If the property changes ownership any rates due should be paid by the lawyer in settlement.

Separate rates are set and invoiced by Waikato Regional Council waikatoregion.govt.nz/rates <u>rates@waikatoregion.govt.nz</u>

### **Parks and Recreation Information**

If you require information on the use of the management, development and current and potential use of parks in the area please contact the Parks and Recreation Unit at <a href="mailto:parksadmin@hcc.govt.nz">parksadmin@hcc.govt.nz</a>

### **Network Utility Operators**

Hamilton City Council does not hold any information concerning electricity, gas or telephone connections. Information may be obtained from the relevant companies.

### **Please Note:**

- Some categories of information are based on records supplied to Council by property owners or developers or trades people. This information may not be accurate.
- Persons intending to make decisions in relation to the property to which this land information relates are urged to take appropriate professional advice including legal, survey, engineering and land use planning advice.
- No inspection of the property has been made for the purpose of this memorandum; it deals only with those matters which it specifically addresses and is not a general warranty of fitness.

### **Additional Information**

If you require further information about the content of the Land Information Memorandum, please contact Hamilton City Council.

Phone: 07 838 6699 Email: lims2@hcc.govt.nz



### RECORD OF TITLE UNDER LAND TRANSFER ACT 2017 FREEHOLD





Identifier SA63D/834

Land Registration District South Auckland

**Date Issued** 28 July 1998

**Prior References** 

SA63A/72

**Estate** Fee Simple

**Area** 523 square metres more or less

Legal Description Lot 173 Deposited Plan South Auckland

81457

**Registered Owners** 

Jane Maree Pike and KLB No1 Trustees Limited

### **Interests**

Appurtenant hereto is a right of way and rights to convey water and gas, transmit electricity and telecommunications and drain sewage and stormwater specified in Easement Certificate B494295.13 - 28.7.1998 at 11.08 am

Fencing Covenant in Transfer B555223.2 - 12.7.1999 at 2.35 pm

Land Covenant in Transfer B555223.2 - 12.7.1999 at 2.35 pm

11568737.3 Mortgage to ASB Bank Limited - 7.10.2019 at 3:42 pm

