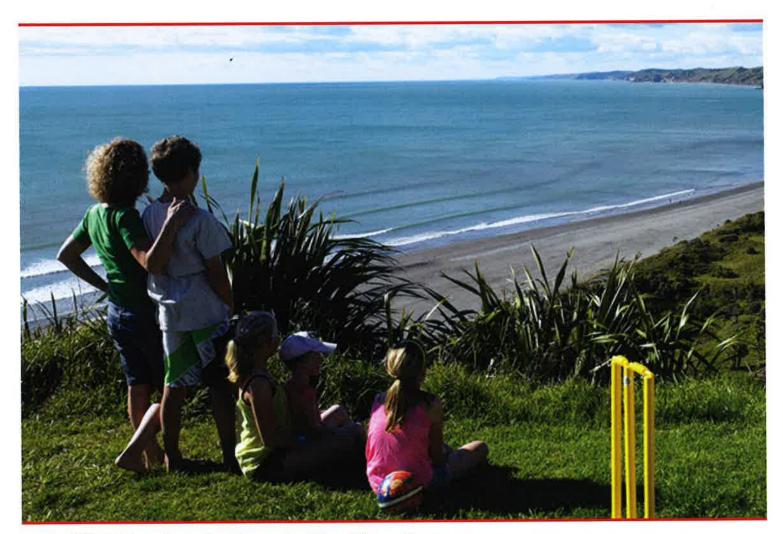
Land Information Memorandum



■ 60 Woolrich Road, Te Kowhai LOT 3 DP 329628





Land Information

In reply please quote: LIM0870/17
If calling, please ask for: Shelley Crosby

Memorandum

LOCAL GOVERNMENT OFFICIAL INFORMATION AND MEETINGS ACT 1987

The information supplied in this Land Information Memorandum is based on existing Waikato District Council records that may not be complete. The property has not been inspected or surveyed by the Council. It is the purchaser's responsibility to check the boundaries of the property.

It is assumed that any purchaser will search the certificate of title that is not held by the Council and will personally inspect the property and its surrounds. This information deals solely with the property named below, and does not disclose any relevant information that may affect adjacent properties.

It is the sole responsibility of any purchaser to ensure that the land is suitable for a particular purpose.

▶ Property Details: Valuation Reference: 04420/461.04 Legal Description: LOT 3 DP 329628 Area: 1.8774 hectares more or less Property Location: 60 Woolrich Road TE KOWHAI Owners: Peter John Kivell, Sandra Mary Kivell

Property Location:

Print Date: 22 February 2017, 3:49 p.m.

Information regarding – 44A(2)

(c) information relating to any rates owing in relation to the land

► Rates & Rating Valua	Information regarding – 44A(2)(c) information relating to any rates owing in relation to the land
Annual rates for 2016/2017	\$2,526.16 Balance Owing: \$0.00 (Balance of 3rd instalment due 23 May 2017)
Value of Improvements	\$ 500,000.00
Land Value	\$ 300,000.00
Capital Value	\$ 800,000.00
Date of Valuation	l July 2014

Valuation

Properties in the Waikato District are re-valued every three years in accordance with the Rating and Valuations Act 1988.

Rates and 2011 and 2014 valuations can be viewed online using the Rating Information Database (RID) available on the Waikato District Council website at www.waikatodc.govt.nz

Current Rates

A copy of the current 2016/2017 rates assessment is attached. The 2016/2017 rates are based on the new valuations dated 1 July 2014, which are shown in the table above.

If this property has been connected to any additional council services since the 1 July 2016 assessment, additional charges will be added in respect of this property in the following rating year.

If you have any queries with regards to the 2016/17 rates, please contact a member of the rating team on 0800 492 452 or e-mail rates@waidc.govt.nz.

Rates Capital Value

Please note that the rates reflected on this LIM were calculated based on the capital value of the property as at I July of the current rating year. Any changes to the capital value of the property that have taken place since I July will be reflected in the rating charges for this property in the next rating year. Please contact a member of the rating team on 0800 492 452 if you require further clarification or have any questions.

■ Planning

Information regarding –

44A(2)

- (f) information relating to the use to which that land may be put and conditions attached to that use:
- (g) information which, in terms of any other Act, has been notified to the territorial authority by any statutory organisation having the power to classify land or buildings for any purpose:
- (h) any information which has been notified to the territorial authority by any network utility operator pursuant to the Building Act 1991 or the Building Act 2004

Under the Waikato District Plan the property is within the:

- Rural Zone
- Waikato River Catchment Policy Area

Please refer to the Waikato District Plan or speak to a duty planner regarding specific requirements for development on properties within these areas.

For any restrictions of the use of the property please refer to the Certificate of Title.

► Resource Co	onsents:	
Application No	Description	Decision
70/04/018	SUBDIVISION CONSENT - Create 3 Additional Lots	GRANTED 15 August 2003

Requisitions: No known planning requisitions to date.

Planning rules relating to this property are contained in the Waikato District Plan and are not outlined in this LIM report. The Waikato District Plan is available to view on Council's website at www.waikatodc.govt.nz.

■ Building

Information regarding – 44A(2)

- (d) information concerning any consent, certificate, notice, order, or requisition affecting the land or any building on the land previously issued by the territorial authority (whether under the Building Act 1991, the <u>Building Act 2004</u>, or any other Act):
- (e) information concerning any certificate issued by a building certifier pursuant to the Building Act 1991 or the Building Act 2004:
- (ea) information notified to the territorial authority under <u>section 124</u> of the Weathertight Homes Resolution Services Act 2006:

It is recommended that a potential purchaser engage a building consultant to complete a pre-purchase inspection of buildings. Irrespective of code of compliance, structures are subject to deterioration over time and works may have been undertaken without building consent. If requested and supplied, a copy of this may be filed on council records for future references and Land Information Memoranda.

Architects and designers require wind & earthquake information to establish bracing requirements for building development.

▶ Building Co	onsents/Permits:		
Number	Description	Consent/Permit issued date	CCC Issued/ Completed Date
BLD0548/08	Dwelling with Attached Garage	26 November 2007	5 June 2008
Requisitions: No	o known building requisitions to date	e.	

Page 4 of 8

Print Date: 22 February 2017, 3:49 p.m.

■ Water Supply

Information regarding – 44A(2)

- (ba) any information that has been notified to the territorial authority by a drinking-water supplier under section 69ZH of the Health Act 1956:
- (bb) information on-
 - (i) whether the land is supplied with drinking water and if so, whether the supplier is the owner of the land or a networked supplier:
 - (ii) if the land is supplied with drinking water by a networked supplier, any conditions that are applicable to that supply:
 - (iii) if the land is supplied with water by the owner of the land, any information the territorial authority has about the supply:

The property is located outside an area currently served by a community water supply administered by Waikato District Council.

■ Drinking Water (potable water supply)

The property is not connected to a community water supply. It is the property owner's responsibility to ensure suitable drinking water is supplied on-site.

The construction of a bore for the taking of ground water requires consent from the Waikato Regional Council, for further information contact Waikato Regional Council.

Document Set ID: 168501970/17 – Peter & Sandra Kivell Version: 1, Version Date: 22702/2017

Council Utilities

Information regarding – 44A(2)

(b) information on private and public stormwater and sewerage drains as shown in the territorial authority's records:

■ Wastewater

The property is located outside an area currently served by a community system for wastewater disposal.

On-site wastewater disposal must comply with the Waikato Regional Plan and the AS/NZS standard for On-site Domestic Wastewater Management. New on-site effluent disposal systems must be designed and certified by an engineer or suitably qualified person.

Existing System

The property has an existing on-site wastewater disposal system. Wastewater disposal systems are sized in relation to the number of bedrooms of a dwelling and the potential occupancy.

Future building works that include additional bedrooms will require an assessment from an engineer or other suitably qualified person approved by the Council, of whether the existing on-site effluent treatment system is capable of adequately treating and disposing of the increased loadings. If upgrades are required, these shall be designed, supervised and certified by an engineer or other suitably qualified person to comply with AS/NZS 1547:2012 and the Waikato Regional Plan.

It is recommended that potential purchasers engage a contractor to inspect the septic tank prior to settlement. The Waikato District Council does not maintain or monitor private wastewater disposal systems and NZ standards indicate a septic tank should be cleaned / emptied every 3 years.

■ Stormwater

The property is located outside an area currently served by a community system for stormwater or land drainage disposal.

For any new development, Onsite Stormwater Disposal will be required under the Waikato District Plan & Waikato Regional Plan prior to connection to any public stormwater network or drains.

For further Information please contact a Project Information Officer at the Waikato District Council.

LIM REF: LIM0870/17 – Peter & Sandra Kivell Document Set ID: 168501/02/2017 Version: 1, Version Date: 22/02/2017

www.waikatodistrict.govt.nz

■ Natural Hazards

Information regarding -

44A(2)

- (a) information identifying each (if any) special feature or characteristic of the land concerned, including but not limited to potential erosion, avulsion, falling debris, subsidence, slippage, alluvion, or inundation, or likely presence of hazardous contaminants, being a feature or characteristic that—
 - (i) is known to the territorial authority; but
 - (ii) is not apparent from the district scheme under the Town and Country Planning Act 1977 or a district plan under the Resource Management Act 1991:

LRI (Us/Peat or Slope)

New Zealand Land Resource Inventory Maps indicate that the soils in this area may have poor bearing capacity for building foundations due to Natural Sloping Topography.

A geotechnical engineer may be required to investigate ground or sub-soil conditions to establish any specific requirements for building development.

Geotechnical Reports Available

Attached for your information is a copy of the Soil and Land Evaluation Report by Richard Chapman NZSS BSSS PhD MSc(Hons), dated 27 June 2003 this was prepared as part of the Subdivision Application to Create 3 Additional Lots.

Attached for your information is a copy of the Domestic On Site Waste Water Management Plan by GA Hughes & Associates (2005)Ltd, dated 10 October 2007; this was prepared as part of the Building Application to Construct a Dwelling with Attached Garage.

Attached for your information is a copy of the Soil Site Investigation Report by JH Wilson - Consulting Engineer, dated 6 September 2006; this was prepared as part of the Building Application to Construct a Dwelling with Attached Garage.

Under section 71-74 of the Building Act 2004, upon application for a building consent applicants must demonstrate that any proposed building work will be protected from hazards.

Document Set ID, 168507970/17 – Peter & Sandra Kivell Version: 1, Version Date: 22/02/2017

Page 7 of 8

Print Date: 22 February 2017, 3:49 p.m.

Additional Information

Information regarding -

44A(3) In addition to the information provided for under subsection (2), a territorial authority may provide in the memorandum such other information concerning the land as the authority considers, at its discretion, to be relevant.

■ Health

There are no outstanding Notices or Orders under the Health Act 1956 and related legislation in respect of the property.

■ Refuse

Waikato District Council's goal is to work towards a 'zero waste' target. On I July 2016 we introduced a pre-paid service to our refuse and recycling to help Waikato residents reduce the volume of waste they send to landfill. Less waste will save us all more in the long-run. There are Waikato District Transfer Stations in Huntly, Te Kauwhata and Raglan.

Refuse & Recycling Service Collection day for this property is Monday.

For further information please see https://www.waikatodistrict.govt.nz/services-facilities/refuse-and-recycling

Utilities

The Waikato District Council does not hold records concerning utility systems it does not administer. For information concerning state highways (administered by NZ Transport Agency), electricity, telephone or gas, the relevant network operator should be contacted.

Yours faithfully

Shelley Crosby

Land Information Officer

Drelleyforsp





Peter John Kivell & Sandra Mary Kivell

Property Number

2007529

Rateable Value

\$800,000

For queries relating to this rates assessment please quote the property number shown above when calling.

Property details for this rate assessment are as follows:

Valuation Roll No

04420/461.04

Property Location

60 Woolrich Road TE KOWHAI

\$800,000 Capital Value

Improvement Value \$500,000

Land Value \$300,000

1.877400 ha Area

Legal Description LOT 3 DP 329628

PLEASE NOTE: THIS IS NOT AN ACCOUNT FOR PAYMENT - YOU WILL BE INVOICED SEPARATELY.

Description of Rate	Matters for differentiation and Targeted Rate funding	Targeted Rate Factor	Factor Applicable	Charge per Factor	Amount
General Rate		rateable value	800,000	0.0023825	\$1,906.00
Uniform Annual General Charge (UAGC)		fixed charge	Ĭ.	442.33	\$442.33
District Refuse	collection service available	per SUIP*	1	127.83	\$127.83
Te Kowhai Community Centre	residential and within Te Kowhai Community Centre area	per SUIP*	t -	50.00	\$50.00
		Total rates ass	essed		\$2,526.16
		Total rates ren	nitted		\$0.00
(All figures include GST)		Total rates pay	yable		\$2,526.16
		Rates balance	as at 30 June 2016		\$(0.04)
		Balance of yea	r's rates to be paid		\$2,526.12

Notes

- ¹ Capital Value includes land and improvements
- ² Differential categories are further defined in the funding impact statement adopted as part of the Long Term Plan
- * SUIP Separately Used or Inhabited Part of a property or building

Document Set ID: 1685019 Version: 1, Version Date: 22/02/2017

Print Date: 22 February 2017, 3:49 p.m.

Functions funded by rates

General rate

The general rate funds a portion of the democracy, community services, infrastructural and regulatory functions that are shown on the table below.

Uniform annual general charge (UAGC)

The uniform annual general charge funds a portion of the democracy, community services and regulatory functions that are people related and are shown on the table below.

Community facility targeted rate

The community facility rate funds the maintenance and operation of halls and community centres within defined rating areas.

Capital works contributions

The capital works contribution has been set for the purpose of covering the capital cost and interest charges of works not met by lump sum contributions for the projects.

Water targeted rate

The water rate funds the supply of water to properties that receive, or are capable of receiving a water supply.

Wastewater targeted rate

The wastewater rate funds sewage disposal for properties that are connected or able to be connected to the wastewater network.

Urban stormwater targeted rate

The urban stormwater rate funds the collection and disposal of stormwater within defined rating areas.

Refuse targeted rate

The refuse collection rate funds the costs of household refuse collection, recycling and disposal within defined rating areas.

Further information on the rationale for funding these functions in this way can be found in the Waikato District Council's Revenue and Financing Policy, copies of which can be obtained from any Waikato District Council Office.

Breakdown of General Rate and Uniform Annual General Charge (UAGC) Applicable to This Rating Unit		
	General Rate \$	UAGC \$
Lifestyle	\$276.94	\$125.89
Area Offices and Other Properties	\$161.25	\$73.29
Corporate and Council Leadership	\$175.35	\$79.75
Grants and Donations	\$27.26	\$12.39
Parks and Green Spaces	\$332.22	\$151.01
Transport	\$892.39	\$0.00
Refuse	\$18.68	\$0.00
Water Management	\$21.92	\$0.00
	\$1,906.00	\$442.33

The suppy of water, collection/treatment of wastewater and draining of stormwater are all essential services for the community's ongoing health and well-being, and contribute to the Healthy and Sustainable Community Outcomes. Expenditure from general rates and uniform annual general charges is for scoping new projects, asset management planning, developing policies and to contra the rates levied on these assets.



COMPUTER FREEHOLD REGISTER UNDER LAND TRANSFER ACT 1952



Search Copy

Identifier

121288

Land Registration District South Auckland

Date Issued

08 June 2004

Prior References

SA14C/1056

Estate

Fee Simple

Area

1.8774 hectares more or less

Legal Description Lot 3 Deposited Plan 329628

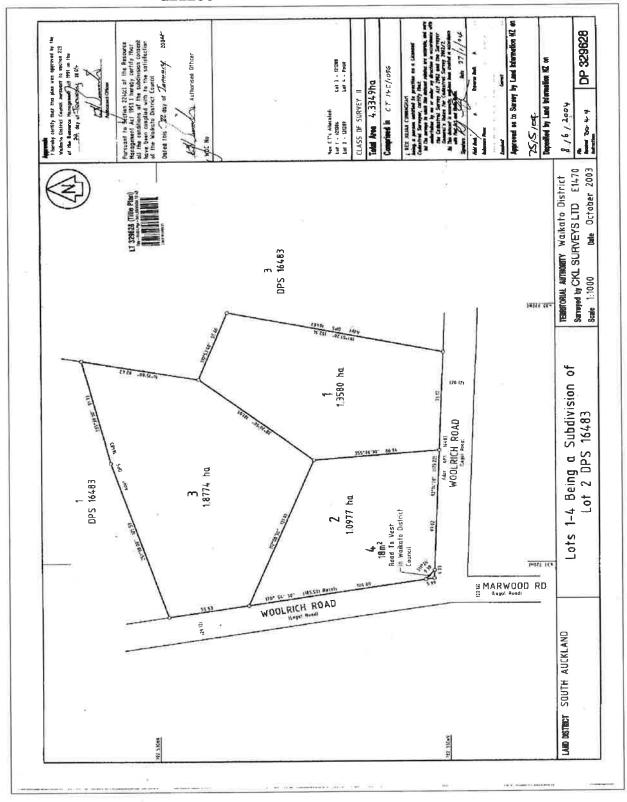
Proprietors

Peter John Kivell and Sandra Mary Kivell

Interests

Land Covenant in Easement Instrument 7388087.1 - 25.5.2007 at 9:00 am 7393410.3 Mortgage to ASB Bank Limited - 1.6.2007 at 11:55 am

121288





Your Ref:

E1470

In reply please quote: 70 04 018

If calling, please ask for:

Andrew Sowersby

15 August 2003

CKL Surveys

Attention: Bevan Houbrooke

P O Box 171 HAMILTON

Dear Mr Houlbrooke

APPLICATION FOR RESOURCE CONSENT: I SHERBURN – CNR WOOLRICH AND MARWOOD ROAD

You are advised of the following decision on your application, which has been made pursuant to authority delegated by the Council to the Environmental Consents Manager.

"Pursuant to sections 105(1)(b), 105(1)(c), 108 and 220 of the Resource Management Act 1991 the Waikato District Council grants consent to a subdivision to create three new lots with areas less than 13 hectares as a non complying activity under the provisions of the Operative Waikato District Plan and Plan Change 7 and a restricted discretionary activity under Section 36 of the Operative District Plan, on a site legally described as Lot 2 DPS 16483, as comprised in Certificate of Title 14C/1056, South Auckland Land Registry subject to the following conditions:

GENERAL

The survey plan to give effect to this Resource Consent shall be generally consistent with the proposal shown on plan reference 'E1470:S1' prepared by CKL Planning and Surveying Ltd, received on the 28 July 2003 with the application 70 04 018. A copy of the approved plan is attached.

FINANCIAL CONTRIBUTIONS

Roading

Pursuant to section 108(2)(a) of the Resource Management Act 1991 a financial contribution for roading of \$9,262.00 (Nine Thousand Two Hundred and Sixty Two Dollars), inclusive of GST, shall be paid to the Council. This is based on a Roading Contribution of \$4,631.00 (Four Thousand Six Hundred and Thirty One Dollars), inclusive of GST for each additional lot.

Version: 1, Version Date: 22/02/2017

r erves

Pursuant to section 108(2)(a) of the Resource Management Act 1991, a reserve contribution of \$2,250.00 (Two Thousand Two Hundred and Fifty Dollars), inclusive of GST, shall be paid to Council. This is based on a Reserve Contribution of \$1,125.00 (One Thousand One Hundred and Twenty Five Dollars), inclusive of GST for the creation of two additional Lots, and shall be paid to the Council in lieu of vesting land.

ARCHAEOLOGICAL

The consent holder shall ensure that, should any human remains or archaeological items be exposed while undertaking works to give effect to conditions of this consent, works in that area will cease immediately. The Police, New Zealand Historic Places Trust, and Kaumatua representing the local Tangata Whenua shall be contacted and work shall not recommence in the affected area until any necessary statutory authorisations or consents have been obtained.

ROADING

- Lots 1 and 3 shall be provided with sealed standard residential vehicle entrances located as indicated on the approved plan, and constructed in accordance with WDC plan No. TSG-E3 to the satisfaction of Council.
- 6 Lot 2 shall be provided with a sealed standard residential vehicle entrance located a minimum of 80 metres from the intersection of the Woolrich and Marwood Roads, and constructed in accordance with WDC plan No. TSG-E3 to the satisfaction of Council.
- 7 Lot 4 shall be road to vest in the Waikato District Council.
- The surface of the sealed entrances shall be two coat chip seal, constructed with 180/200 grade bitumen and G3 and G5 chip. The seal shall extend not less than 5 metres from the edge of the existing seal, or to the property boundary if that is more than 5 metres.

UTILITIES

- The secondary flowpath path from the existing culvert underneath Woolrich Road through the proposed Lot 1 shall be shown on an amended site plan to the satisfaction of Councils Environmental Consents Engineer.
- The proposed entranceways to Lots 1, 2 and 3 shall contain culverts of minimum diameter of 300mm to allow the continued flow of stormwater down the water table drain on Woolrich Road to the satisfaction of Council.

Advisory Note

- 1 The Waikato District Council's Area Engineer is to be contacted a minimum of two weeks prior to any works being carried out in the road reserve.
- When Building Consents are applied for the following matters will need to be addressed in any applications:
 - (i) For some building sites a Registered Engineer may be required to confirm that ground conditions are suitable for building.

(ii) A design by a suitably qualified person will be required for the effluent disposal system.

The reasons for this decision are:

- a) The provisions of proposed Plan Change 7 Rural Subdivision are in effect operative under the provisions of section 19 of the Resource Management Act 1991 when assessing this application and little weight has been given to the rural subdivision provisions of the Waikato District Plan when determining this application.
- b) Waikato District Council's Area Engineer has reviewed the application and has exercised discretion in allowing the reduced separation distances as stipulated in Section 36.6, Table 6 of the Waikato District Plan, due to the low traffic volumes on Woolrich Road.
- c) It is considered that the visual character and amenity values of the surrounding Rural environment would not be compromised as the subdivision complies with the provisions of Plan Change 7.
- d) A reserve contribution is required for each lot created by subdivision upon which a dwellinghouse or dwellinghouses are authorised by this District Plan. The subdivision will result in the creation of two additional titles and therefore a \$1,125.00 reserve contribution for each additional lot is required.
- e) A financial contribution for roading has been included as a condition of the consent in accordance with the provisions of section 42 of the Waikato District Plan. The purpose of the financial contribution is to mitigate the effects of the increased development generated by this subdivision on Council's existing infrastructure.
- f) The entrance to Lot 2 is required to be a minimum of 80 metres from the intersection of the Woolrich and Marwood Roads to comply with the Separation Distance requirements of 36.5 Table 6 (d) of the Operative District Pain in an 80 km/hour speed environment."

Review of Decision on non-notified application

Your attention is drawn to section 357 of the Resource Management Act 1991. This section provides that there is a right of objection to Council in respect of this decision. Section 357(5) requires:

Any such objection shall be made by notice in writing to the Council, setting out the reasons for the objection, within 15 working days after the decision or requirement being notified to that person, or within such further time as may in any case be allowed by the consent of the Council.

Right of Appeal

Your attention is drawn to the Resource Management Act 1991 sections 120 and 121 and also the Resource Management (Forms, Fees, and Procedure) Regulations 2003/153, Regulations 16 - 19. Some key provisions to note are as follows:

i) You may appeal against the decision of the Council by lodging a Notice of Appeal in the prescribed form with the Registrar of the Environment Court and with the Council within 15 working days of the receipt by you, or the person who filed the application on your behalf, of the Council's decision. The address of the Environment Court is as follows:

The Registrar Environment Court P O Box 7147 Wellesley Street AUCKLAND 8th floor, District Court Building 3 Kingston Street AUCKLAND

Telephone: 09 916 9091 Fax: 09 916 9090

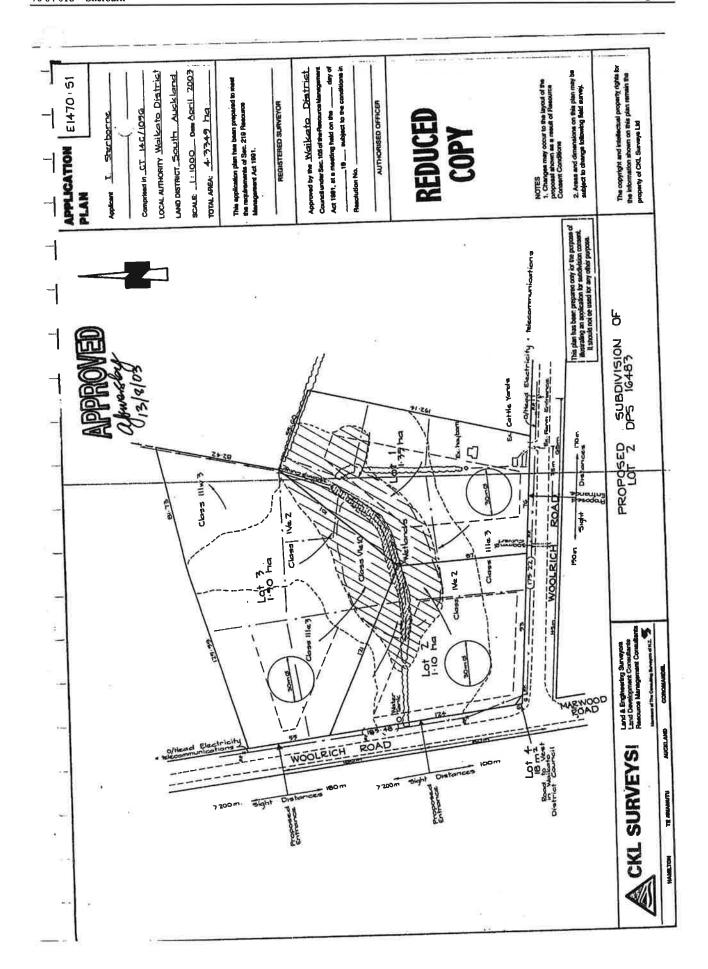
- ii) The appeal must be in the form prescribed by the Resource Management (Forms, Fees, and Procedure) Regulations 2003/153 or to like effect. The regulations may be purchased from Bennetts Government Bookshop. The form is identified as Form 34 in the regulations.
- iii) A filing fee of \$55.00 GST inclusive must accompany every document by which appeal proceedings are commenced.
- iv) Section 121 of the Resource Management Act 1991 sets out important information as to the persons upon whom the appeal must be served and the time when service must take place. It is essential that these provisions be adhered to. Failure to do so may result in your appeal being struck out.

If you are in any doubt as to the procedures to be followed it is strongly recommended that you consult a lawyer.

Yours faithfully

Shelley Wood

ENVIRONMENTAL ADMINISTRATION



Soil And Land Evaluation

Richard Chapman NZSS BSSS PhD MSc(Hons)

Matangi Road, RD 4 Hamilton, New Zealand Telephone (07) 8295437 E-mail r.k.chapman@paradise.net.nz

27th June 2003

Attention: - Mr. I. Sherburn property owner Woolrich Road -Te Kowhai .

Re: Proposed subdivision at the above address – Area of block approximately 4.33 ha. Being Lot 2 DPS 16483.

1.0 Introduction

On the 26th June 2003 I carried out an extensive and detailed soil and Land Use Capability (LUC) classification of the subject land. This is the common method for assessing land in New Zealand; it uses the Land Use Capability System, which is part of NZLRI as produced by the Water and Soil Division of the Ministry of Works, for the National Water and Soil Conservation Organization during the 1970's. LUC uses a systematic arrangement of different kinds of land according to those properties that determine its capacity for permanent sustained production, where the word "capability" is used in the sense of "suitability for productive use" after taking into account the physical limitations the land may have.

LUC is specifically designed to provide an index of versatility. There are eight land use capability classes, four arable and four non- arable, arranged in order of increasing degree of limitation or hazard to use; and a decreasing order of use, from Class I to VIII.

Within each LUC Class the land is assigned a subclass according to the kind of limitation (e = Erodibility, w = Wetness, s = Soil limitations within the rooting zone, c = Climate).

At the most detailed level, LUC groups together those inventory units which respond similarly to the same management and which are suitable for the same kinds of crops, pasture, or forest species with the same potential yield and which require the application of the same conservation measures.

The compilation of LUC worksheets were made from all relevant databases of land resource documents available at the time, consequently some sheets suffered from a lack of information that only detailed soil and geological surveys could have provided. There are therefore **scale limitations**, which should be kept in mind, especially when interpretation is required at the individual farm level.

However, the LUC units displayed on the 1970's maps remain reasonably robust, but are subject to change as evidenced by for example the second edition (1993) for Northland which was carried out at the more detailed scale of 1:50 000, replacing the earlier first edition 1:63 360 maps. In the first edition 69 LUC units were defined, whilst 91 are defined in the second with about 60 of the first edition classification units changed. The average area for a map unit is 125 ha, however at the 1:50 000 scale of mapping it is theoretically possible to delineate an unhooked inventory map unit (no vinculum) area of 60 ha if the geology, soil, vegetation, erosion and slope are uniform (Note 60 ha = 600 m by 1000 m).

The **major objectives of this introduction** are to emphasize that the LUC classification maps are subject to change as a consequence of more detailed mapping and land appraisal. NZLRI information can be used for excellent physical base data for planners (a planning tool) but should definitely not be used as a plan.

2.0 The current LUC and soil classification of the SUBJECT LAND according to maps and NZLRi worksheets at a scale of 1:63 360.

The soils are Hamilton clay loam, a brown granular clay loam, situated on strongly rolling slopes with a moderate to severe erosion hazard when cultivated and Te Kowhai clay loam a gleyed soil with wetness limitations. They are classified **LUC IVe2 and IIw3 respectively**.

3.0 Detailed site and land use capability classification of the subject land at the scale 1: 1000 (see attached map)

I have undertaken a Land Use Capability (LUC) report and a detailed soil classification of the above parcel of land situated on your property at Woolrich Road, according to standard methods (Ministry of Works 1979).

Observations of slope angle, topography and soil parent material were made over the relevant area. Soil auguring to 80 cm depth was used to assess soil properties such as drainage, plant root depths, texture and colour. This information was used to determine soil type and soil boundaries, from which the necessary LUC classification was assigned. Four LUC classes and three soil types were identified at this detailed scale.

4.0 Topography

The subject property is situated on the rolling to steep Hamilton Hills comprising of thick layers of Hamilton Ash that mantle older alluvial sediments of the Puketoka Formation. The present day soils on the hills are formed primarily from Hamilton Ash, however an area of lower angle sloping land retains a relatively thin layer of younger volcanic ash, of the so called Mairoa Ash Complex.

In addition to the hill land a topographical feature of the property is the low-lying land supporting Te Kowhai soils that have formed on the swales of the Hinuera Formation. Spring saps at the base of the hills feed through a sinuous area of wetland that links into a drain on the northern boundary.

5.0 Soils

Three soil types were identified: Hamilton clay loam occupies the majority of the rolling to steep-land; Kainui silt loam occupies areas of flattish land adjacent to Woolrich and Marwood Roads; Te Kowhai soil, a poorly drained soil is located at the base of the hill.

6.0 LUC Classification

Soils in LUC class VIe10 are Hamilton soils and are coloured green on the classification map. This land comprises of about 15% of the subject property and includes the steep, greater than 24-degree slopes on the hillsides. The Hamilton soils in this class support semi intensive pasture farming and are capable also of supporting exotic forestry. They would be at extreme risk of erosion if cultivated. Not high quality soils or land as defined by Waikato District Council (WDC).

Soils in LUC class IVe2 are Hamilton soils comprising about 35% of the subject land and are coloured pink on the map. The soils occupy rolling to steep land and support semi to intensive grazing. This class is more versatile than Vle2 above, but is never the less prone to moderate to severe erosion hazard if cultivated. **This class is not high quality soil or land as defined by WDC.**

Soils in LUC class Ille3 are Kainui soils comprising about 35% of the subject land and are coloured brown on the map. They are reasonably versatile soils and capable of more diverse use than the previous two classes; their clayey subsoils are a limiting factor for intensive cropping, however they occupy slopes of less than 8 degrees and have a lower risk of erosion when cultivated. They are not elite soils but are classified as high quality soils under the District Plan.

Illw3 - Soils in this LUC unit are Te Kowhai comprising about 10% of the subject land and colorired grey on the attached map. This soil has developed on fine sands and silts of the Hirwera Formation; they are poorly drained and have poorly structured ocherous mottled light grey subsoil, plant roots are confined to the topsoil. The soils are not suitable for cropping, horticulture or orchards but are supportive of intensive grazing. They are prone to pugging during winter and spring. Not high quality soil under WDC plan change 7.

An area of wetland occupies about 5% of the subject property and is coloured dark blue on the attached map. It is not high quality soil.

Curtilage

Consists of cattle yards and shed that will ultimately be removed. This area is not classifiable because of modification.

7.0 Proposed subdivision and recommendation

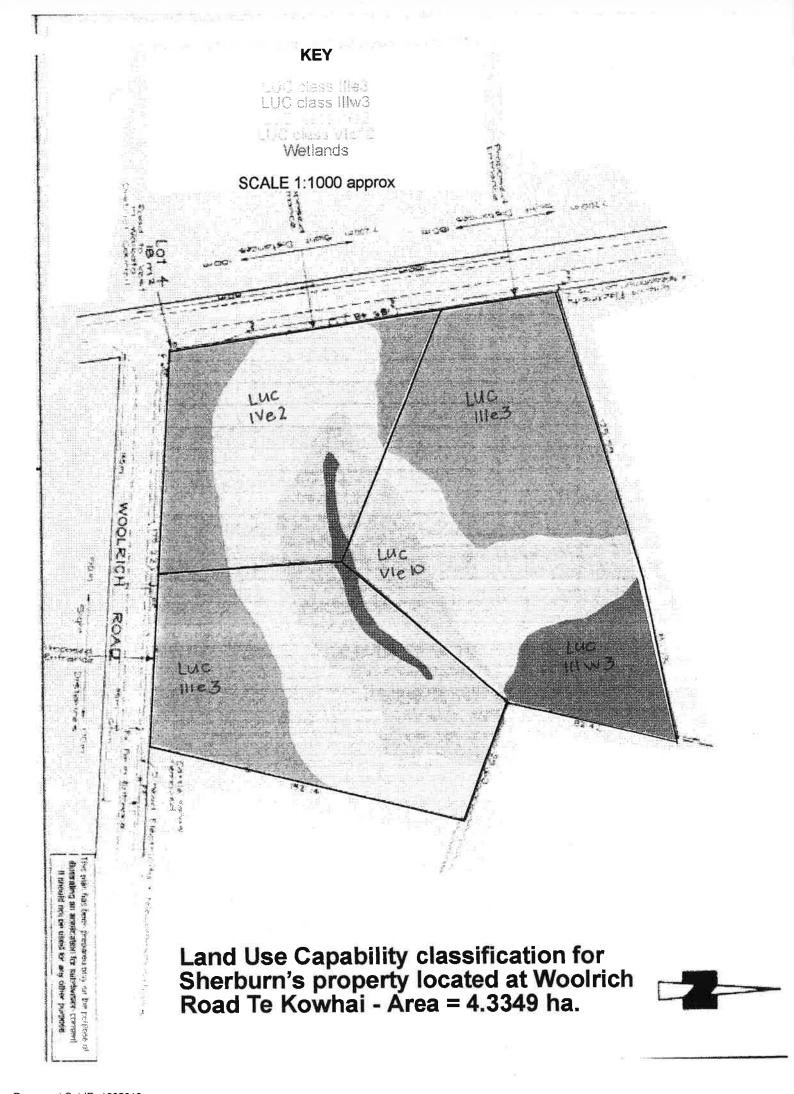
- About 50% of the subject land is both rolling to steep and is classified LUC IV and VI. This land/soil is not versatile and is severely limited by slope angle, erosion risk if cultivated and by poor drainage along the base of the hills.
- About 15% of the subject land is significantly affected by poor drainage, especially in winter from run off from the surrounding hills and from high a water table. This land/soil is classified as Ilw3 on the standard Land Inventory map but has been re classified as a result of this survey at the more detailed scale of 1:1000 and therefore falls out of the high quality soil category. The reason for reclassification is that on this property the Te Kowhai soil is located at the foot of the hills and is wetter as explained earlier and therefore is significantly limited and of lower versatility than the "standard" Te Kowhai soils occupying areas away from the hills that are classified Ilw3.
- About 65% of the property consists of soils/land that is not considered high quality soil.
- About 35% of the property is classified LUC III (high quality soil). This class III land is mainly sloping.
- The proposed subdivision takes into account the future effective and efficient use of soils: All three Lots will occupy some high quality class III soil but are of sufficient size to accommodate house and curtilage, plus have the ability to utilize the remaining area of land for continued use as either grazing or small scale horticulture.
- The proposed subdivision will include plans to develop, protect and enhance the wetlands in the middle of the property with all Lots "sharing" this proposed feature. This development is to be commended.
- The subject land, located on predominantly rolling to steep hills, a few kilometres to the west of Hamilton City offers excellent rural amenity. The LUC class III high quality soil/land occupies two "isolated" areas and is of awkward shape. However this area of flatter land would provide excellent building platforms for any future development.

For the above reasons I support the proposed subdivision.

Richard Chapman Scientific Soil Consultant.

8.0 References

Ministry of Works and Development 1979: Land Use Capability Handbook. Water and Soil Division.





FINAL CODE COMPLIANCE CERTIFICATE

Section 94(1) Building Act 2004 ISSUED BY THE WAIKATO DISTRICT COUNCIL BUILDING CONSENT NUMBER: BLD0548/08



BUILDING LOCATION:	BUILDING WORK
60 Woolrich Road TE KOWHAI	Dwelling with attached Garage
APPLICANT: P J Kivell, S M Kivell 4 Palliser Dr Huntington Hamilton 3210	PROJECT Dwelling
QBT Homes PO Box 20343 Hamilton 3240	Indefinite but not less than 50 years
LEGAL DESCRIPTION:	
Property Number: 2007529 Valuation Roll Number: 04420/461.04 Legal Description: LOT 3 DP 329628	

This is a final Code Compliance Certificate issued in respect of all the building work under the above building consent.

Signed for and on behalf of Council:

Signature:

Name:

Brett Payne

Position: Building Control Officer

Date:

05 June 2008

BUILDING CONSENT NO: BLD0548/08

Section 51, Building Act 2004
ISSUED BY: WAIKATO DISTRICT COUNCIL

BUILDING LOCATION	BUILDING WORK
60 Woolrich Road TE KOWHAI	Dwelling with attached Garage
APPLICANT	PROJECT
P J Kivell, S M Kivell 8 Logan Ct Chartwell Hamilton 3210 CONTACT QBT Homes PO Box 20343 Hamilton 3240 LEGAL DESCRIPTION	Indefinite but not less than 50 years Dwelling \$28945 Total Est. Value of Projects \$28945
Property Number: 2007529 Valuation Number: 04420/461.04 Legal Description: LOT 3 DP 329628 COUNCIL CHARGES	=
The balance of Council's charges payable on uplifting of this building consent, in accordance with the tax invoice are: Total: \$0.00 ALL FEES ARE GST INCLUSIVE	Signed for and on behalf of the Council: DWWWW Donna McCauley ENVIRONMENTAL ADMINISTRATION

This building consent is issued under Section 51 of the Building Act 2004. This building consent does not relieve the owner of the building (or proposed building) of any duty or responsibility under any other Act relating to or affecting the building (or proposed building).

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

This building consent is issued subject to the conditions specified in the attached pages headed "Conditions of Building Consent BLD0548/08".

Waikato District Council Conditions of Building Consent Certificate No: BLD0548/08

The Building Consent Certificate is issued subject to the following conditions:

- Owner/Builder MUST locate boundary pegs prior to Council carrying out a foundation inspection.
- 2 At least 48 hours' notice is required prior to the intended commencement of construction:
 - •Siting, foundation (prior to pouring concrete)

AND at least 24 hours' notice prior to any of the following inspections (See Building Regulations 1992):

- •Pre-floor plumbing and drainage
- Pre-floor building (prior to pouring concrete)
- •Structural framing (pre-wrap)
- Pre-line plumbing
- Pre-line building
- •Exterior cladding systems
- Post-line building
- ·Sanitary sewer and stormwater
- •Final inspection to be called for (the owner or builder shall be on site at time of inspection)
- •Owner/builder to locate boundary pegs prior to council carrying out a foundation/siting inspection.

Waikato District Council contact phone number is (07) 824 8633.

- Verandah posts shall comply with Figure 9.2 and 9.3 NZS 3604, 1999.
- 4 Trusses or rafters shall be fixed at tails to top plate with wire dogs at each end.
- The roof shall be braced to comply with Table 10.1 NZS 3604, 1999.
- The moisture barrier beneath the floor shall comply with the New Zealand Building Code 1991.
- 7 Provide breather type building paper on outside of frame, to extend to top plate level.
- Steel lintels shall be hot dip galvanised to comply with Table 11.4 NZS 3604, 1999.
- 9 Fibreglass insulation shall be a minimum of 75mm in walls and 100mm in ceilings or shall comply with the requirements of E3 AS1 of the New Zealand Building Code 1991.
- 10 Footings shall be a minimum of 200mm below cleared ground level.
- Lapse and cancellation of building consent. This building consent shall lapse and be of no effect if:

The building work concerned has not been commenced within 6 calendar months after the date of issue of the consent; or

Reasonable progress on the building work has not been made within 12 calendar months after work has commenced.

The Council can exercise its discretion in either case.

- 12 All drainage and plumbing shall comply with the New Zealand Building Code 1991.
- At least 24 hours' notice shall be required for plumbing and drainage inspections. Plumbing preline inspection shall be required.
- 14 Plumbing inspection shall be required before pouring floor slab.
- An as built drainage plan and an electrical certificate of compliance is required on completion.
- Septic Tank and effluent disposal shall comply with AS/NZS 1547:2001. Registered, supervising engineer to provide a PS4 to Council on completion, or approved suitably qualified person to provide a PS3 on completion.
- Installer of the wastewater treatment system to provide a Produce Statement Construction / Construction Review.
- 18 Stormwater shall be disposed of in an approved manner.
- 19 All roof trusses shall be designed and fabricated by a certified manufacturer.
- No hot and cold water pipes shall be laid under concrete floors unless they are accessible after the job is completed.
- 21 All timber treatment shall comply with NZS 3602:2003.
- Wall framing shall comply with table 8.2, 8.14, 8.18, 10.9, 10.10 or 10.13 figure 8.12 NZS 3604: 1999.
- Domestic smoke alarms must be installed before a final inspection is requested. The number of alarms required and their location in the dwelling is to be in accordance with the New Zealand Building Code.

Date: 26 November 2007

Signed:

Brett Payne

Waikato District Council

PP DMabuley

BIO - BidCert04 - VI Jul 07



4420/46/04 AS LAID DRAINAGE PLAN

STREET: Woolrich Rd. No:

DPS 329628

OWNER: Kivell Residences.

DRAINLAYER: Drainage Systems.

INSPECTOR: Rob Koppers.

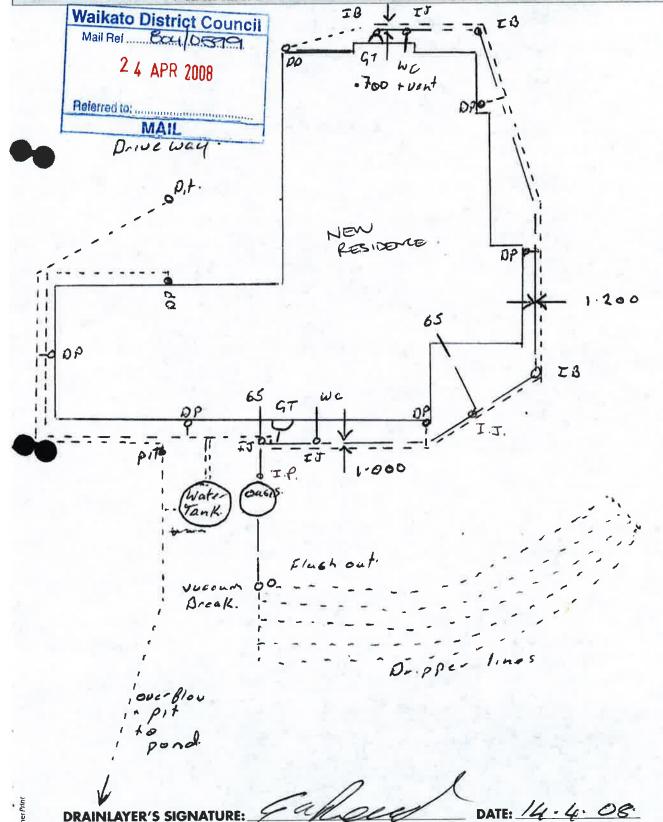
19984 REG No: _

LOT: 3

DATE OF INSPECTION: 14 4 08

CONSENT No: 0548 /08

DRAINLAYER PLEASE FILL IN ALL DETAILS



Document Set ID: 1685019 Version: 1, Version Date: 22/02/2017 ALDP version 1 04/2002

Print Date: 22 February 2017, 3:49 p.m.

DRAINAGE SYSTEMS LTD

Residential, Commercial & Environmental Drainage

Telephone: 07-850 4370 Fax: 07-850 4373 Mobile: 021-972 896 P.O. Box 2

PO. Box 21170, Flagstaff, Hamilton

PRODUCER STATEMENT

EFFLUENT DISPOSAL SYSTEM

CLIENT - KIVELL RESIDENCE - BUILDING CONSENT No.0548/08

LOCATION - 60 WOOLRICH RD - TE KOWHAI.

Discharge of up to 1200 litres per day of treated effluent to an area of 300 square metres designated disposal field at a hydraulic loading of 10mm/hr.

Domestic effluent will be treated by an Oasis Clearwater Series 2000 System resulting in an effluent quality of the following standard:

BOD less than 20mg/L Non filterable residue of not more than 30mg/L

For further technical information refer to Oasis Clearwater Series 2000 full Technical Design Manual.

Design Criteria:

Soil Type:

Clay loam

Natural Drainage Class:

Medium Draining

Design:

Average maximum infiltration rate = 10mm/hr

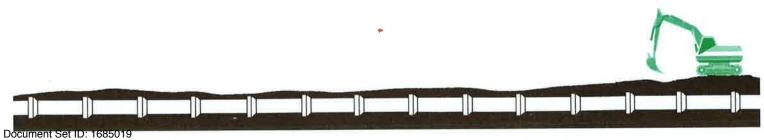
(based on ARC Environmental Technical Publication No 58 [TP58] On site Wastewater

Disposal from Households and Institutions).

Design Volume:

Average 1200 litres/day:300 square metres disposal area.

This System incorporates the use of Raam sub-surface irrigation tubing laid 200mm below the surface. System design incorporates an evapo-transpiration dosed system using self compensating emitters placed at 1,000mm spacings giving an even distribution over the disposal area.



Version: 1, Version Date: 22/02/2017

Print Date: 22 February 2017, 3:49 p.m.

DRAINAGE SYSTEMS

Residential, Commercial & Environmental Drainage

Telephone: 07-850 4370 Fax: 07-850 4373 Mobile: 021-972 896

P.O. Box 21170, Flagstaff, Hamilton

Assessment of Effects:

[a] Description:

Refer above

[b] Significant adverse effects on environment: None envisaged if System performs to

manufacturer's claims.

[c] Other options:

None considered.

Management & Monitoring

As with your Council's Policy, a Service Contract will be entered into with the owner to ensure the system is commissioned with services @ six monthly intervals from new. Oasis Clearwater Systems undertake to service the system 2 times per year with a copy sent to both the Council and home owner, a copy also retained for our own records. The Service Contract will remain valid until the property is sold, when a new Contract will be entered into with the new owner. Payment of the service fee must be made by the owner to ensure continuity of the agreed contract.

Installation:

A Registered Drainlayer has installed the Oasis Clearwater 2000 Treatment System and sewer connection to the aerated wastewater treatment system.

The system has been installed in conjunction with the Manufacturers, Oasis Clearwater Systems Ltd.

Yours faithfully

M.W.NEWDICK

DRAINAGE SYSTEMS

Document Set ID: 1685019

Version: 1, Version Date: 22/02/2017



Electrical Certificate of Compliance

for prescribed electrical work that is carried out on electrical installations and involves the placing or positioning or the replacing or repositioning of conductors (including fittings attached to those conductors). To be completed whether or not an Inspection is required.

No.	26	14	4:	15

EWRB 551

No. of attachments

WORK DETAILS 64 No. of lighting outlets No. of ranges Please 28 No. of socket outlets No. of water heaters	e tick (🗸) as appropriate Mains	where work includes:
Postal address of customer (if not as above) WORK DETAILS 64 No. of lighting outlets No. of water heaters	e tick (✓) as appropriate Mains	where work includes:
WORK DETAILS 64 No. of lighting outlets No. of ranges Please 28 No. of socket outlets No. of water heaters	e tick (✓) as appropriate Mains	where work includes:
64 No. of lighting outlets No. of ranges Please No. of socket outlets No. of water heaters	Mains	STORY WHITE SEA STORY
28 No. of socket outlets / No. of water heaters	Mains	STORY WHITE SERVICE
		国的信息型型的现在分词
	/	Main earthing system
Was any installation work carried out by the homeowner?	Switchboard	Electric lines
Description <u>new 14 ouse</u> It	is recommended that t	test results be recorded
	ere:	1
n ure Le	sual Examination	
00 1 1111 2 11	arth Continuity	Vi Jane
2/2 1/2 2/1 12-116	onding	
2	olarity	
	į.	7002 Mahm
In	sulation Resistance	Mohm
0	ther	
If necessary attach any pages with sketches of work done		
If flecessary attach any pages with sketches of work done		
CERTIFICATION OF WORK I certify that the above electrical work has been carried out in accordance with the requirements	of the Electricity Act 1992 and	Flectricity Regulations 1997.
ELECTRICAL WORKER DETAILS CERTIFICA	TION OF ELECTRIC LINES	
line portion o		al worker has installed the electric
Name C Brickett Name	and the state of t	
Registration no. 616402 Registration	on na.	
Registration no. e16402 Registration Company Cu ELECTRICAL Company		
Signature Signature		Pour Brigarie and Alexander
Date 27/05/8 Date		
Contact Ph No.	h No.	
INSPECTION DETAILS Electrical work requiring inspection by a registered electrical insp	pector	
	arthing system	Installation work in hazardous areas
I certify that the inspection has been carried out in accordance with the requirements of regulati	ion 41 of the Electricity Regulat	The second secon
Name Registration	on no. Ting	
Signature	350	
Daytime C Ph No. CUSTOMER COPY - THIS IS AN IMPORTANT DOCUM	- A	Control of the Contro

BUILDING



Private Bag 3010 Hamilton New Zealand Phone 07 838 6699 www.hcc.govt.nz

PRODUCER STATEMENT PLUMBING SYSTEM PRESSURE TEST

Owner Pas S. Rivell	
Property Address 60. Woolrich Rd.	Te Kowhai.
Lot. 3 DPS 329628 Consent No.	
To The Hamilton City Council:	•
To The Hamilton City Council: Please be advised that our company ETER Class	The state of the s
Has completed a pressure test on the plumbing system in the address. We certify that the system was tested to 1500kpa for and in accordance with manufacturer recommendations provisions of the New Zealand Bullding Code Approved Solutappropriate.	or a period of 30 minutes and complies with the
We advise that we have current public liability insurance \$500,000 and have approved quality control measures in plac	to the value of at least e.
We understand that the Hamilton City Council will conduct to where a producer statement has been used and if a workmadetected from these audits then we undertake to carry outwork as necessary.	nship or technical fault is
Issued By	P.O. Box 10487 Te Rapa Ph/Fex 07 847-9699
Issued By. Box 5340	N. 185
Contact Phone Number 021, 937606	
Signature Date Date Registration Number	00045
Date Registration runnber	



Home Insulation
Installation Guarantee

for new homes insulated in walls and/or ceilings

This is to certify that

this home has been insulated in the walls and/or ceilings with Pink®Batts® insulation by a Tasman Insulation approved Pink®Batts® installer. Pink®Batts® when properly installed satisfies the requirements of the Australian/New Zealand Standard 4859.1 and the durability requirement of the New Zealand Building Code B2.3.1(a). The PinkFit® installer guarantees that the Pink®Batts® have been properly installed. This guarantee is transferable to any subsequent owners of the home.

Signed 5 Je	de_	Date 3	3 08
	<i>y</i> -	,	,
Pink® Batts® Installer	PINKETT	DAIRAT	0

Registration Details:

Compliance Number: 30926

Builder Details: GOLDEN HOMES Site Details: KIVELL RESIDENTS LOT 3, WOOLRICH ROAD TE KOWHAI,

Install Date: Completion

Date Printed:

31-Mar-2008 27-Mar-2008 27-Mar-2008

Product Details
Pink®Batts®Ceiling R2.6
Pink®Batts®Wall R2.2



Pink®Batts® and PinkFit® are registered trademarks of Tasman Insulation New Zealand.



P.I.M. No 0546/08 Building Regulation Clause 81

PRODUCER STATEMENT - PS4 - CONSTRUCTION REVIEW

(Guidance notes on the use of this form are printed on the reverse side)

SSUED BY
G A Hughes & Associates Limited,
TO: QET Ltd
TO BE SUPPLIED TO: Walketo District Council
(Territorial Australity) IN RESPECT OF Concrete Floor and Foundations
At Lot 3 Woolrich Road, Te Kowhai, Hamilton
Lot 3 DPS 329628
G A Hughes & Associates Limited has been engaged by the Owner
to provide Design & Observation clause(s) B1 of the Building Regulations 1992 for the
Soils Testing and Compacted Sand Building Platform for Foundations and Floor as
G A Hughes & Associates Ltd References 56316, 55553 & 08603 Authorised
variation(s) No (copies attached) have been issued during the course of the works. I have
eighted Building Consent No 0648/08 and the attached conditions of building consent.
As an independent design professional covered by a current policy of Professional Indemnity insurance to a minimum
value of \$200,000, I or personnel under my control have carried out periodic reviews of the work appropriate to the
engagement and based upon these reviews and information supplied by the contractor during the course of the works
I BELIEVE ON REASONABLE GROUNDS that Part only as specified in the attached particulars
of the building work under the above Building Consent with respect to Clause(e) B1 of
Building Regulations 1992 has been completed to the extent required by that Building Consent.
Date 3 rd June 2008
Date 3 rd June 2008
BE, MIPENZ (Civil & Structural) C P Eng #13402
(Professional Cushilicritions)
Member IPENZ 1036 Whangaparaoa Road, Whangaparaoa HBC 0930
(AMT was)
This form to accompany Form 9 of the Building Regulations 1992 for the issue of a Code Compliance Certificate.
BrOctober 94

3.Jun. 2008 12:34

+64 9 4244250

GUIDANCE ON USE OF PRODUCER STATEMENTS

This producer statement has been prepared by a combined task committee consisting of members of the New Zealand Institute of Architects, Institution of Professional Engineers New Zealand, Association of Consulting Engineers New Zealand and the Building Officials Institute of New Zealand.

Four producer statements are available and brief details on the purpose of each are as follows:

Design:

intended for use by the person responsible for the design in circumstances where the Territorial

Authority will rely on the producer statement to issue a Building Consent.

Design Review:

Intended for use by a sultably qualified independent design professional where the Territorial

Authority does not undertake an internal review and relies on the independent design

professional's review to Issue the Building Consent.

Construction: requires

intended for the use by the contractor of the building works where the Territorial Authority

a producer statement at the completion of construction.

Construction Review: Intended for use by the person required by the Building Consent to undertake construction

monitoring of the building works in circumstances where the Territorial Authority will rely on

the producer statement to issue a Code Compliance Certificate.

The producer statements system is intended to provide Territorial Authorities with reasonable grounds for the issuing of a Building Consent or Code Compliance Certificate without having to duplicate design or construction checking by others.

The following criteria are recommended to Territorial Authorities with respect to the use of the producer statements,

Definition of Suitably Qualified Design Professional

A suitably qualified design professional should have recognised qualifications and experience for the work undertaken and should be either:

- an active member of the Association of Consulting Engineers New Zealand (ACENZ) or:
- (11) a member of the Institution of Professional Engineers New Zealand (IPENZ) having a current policy of Professional Indemnity insurance for a sum not less than \$200,000 or;
- a member of the New Zealand Institute of Architects (NZIA) having a current policy of Professional Indemnity Insurance for a sum of not less than \$200,000.

Design Bulld Contracts

If the design professional is engaged by the contractor, the territorial authority should eatiefy itself that it is appropriate for the territorial authority to rely upon a producer statement from the design professional.

Consulting Services during Construction Phase

There are several levels of service which a design professional may provide during the construction phase of a project. The territorial authority is encouraged to require that the service to be provided by the design professional is appropriate for the project concerned.

Requirement to provide Producer Statement

Territorial Authorities should ensure that the applicant is aware of any circumstances in which there may be a requirement for producer statements for the construction phase of building work at the time the building consent is issued as no design professional should be expected to provide a producer statement unless such a requirement forms part of the design professional's engagement.

Attached Particulars

Attached particulars referred to in this producer statement rafer to supplementary information appended to the producer statement.

3. Jun. 2008 12:34 A.a. hushes [2005] 1td

7 '4 976p '0N

futurebuild

Structural Certification: Producer Statement

640 Great South Road Manukau City Private Bag 92-106 Auckland New Zealand Telephone 64 9 262 6000 Facsimile 64 9 261 1841

hy90 Enhanced Wide-Opening Solution For Golden Homes

The hy90 enhanced wide-opening lintel solution has been designed in accordance with sound and widely accepted engineering principles. When installed in accordance with the specifications, details and limitations of the hy90 brochure for installation and design, it will comply with the requirements of the New Zealand Building Code Section B1 Structure and B2.3 (a) Durability.

4.5m wide x 2.1m high enhanced opening (roof & ceiling only)

Side panel configuration: 7mm F11 plywood outside, 7mm F11 plywood inside

hy90 Section D x B (mm)	Light roof and celling		Heavy roof and ceiling		
	Side panel width (mm)				
	400	600	400	600	
	Roof load width 'RLW' (m)				
300 x 90	4.2	4.9	2.0	2.4	
360 x 90	8.0	9.3	3.8	4.5	
400 x 90	9.9	11.8	5.2	6.3	



4.8m wide x 2.1m high enhanced opening (roof & ceiling only)

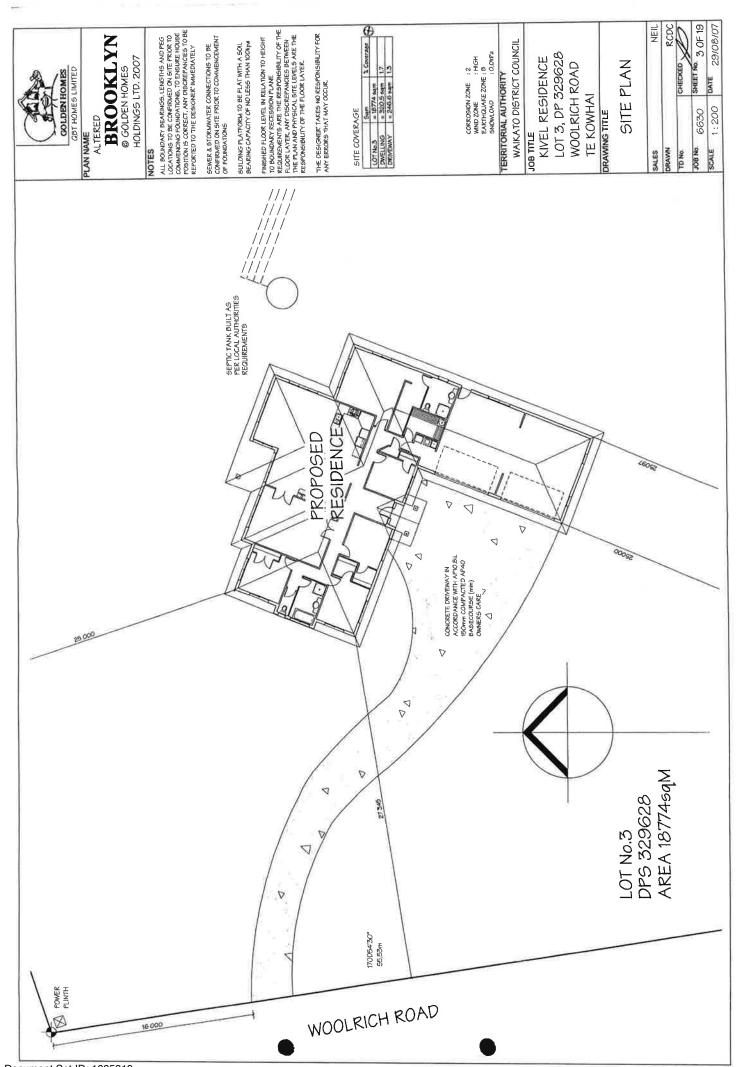
Side panel configuration: 7mm F11 plywood outside, 7mm F11 plywood inside

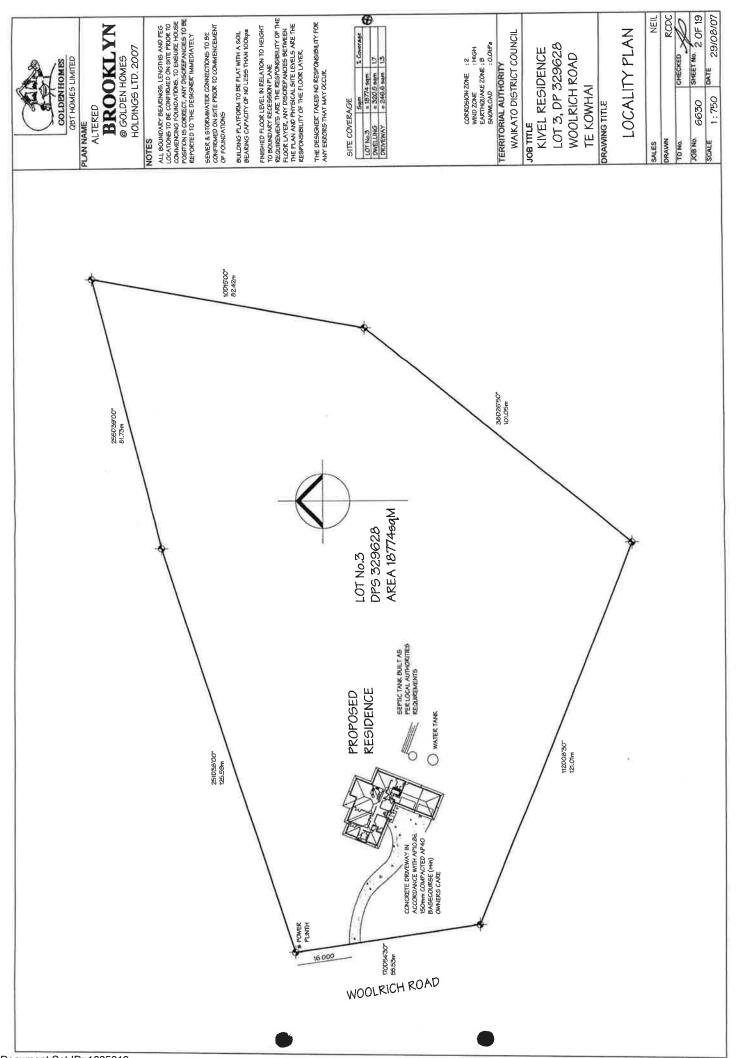
hy90 Section	Light roof and ceiling		Heavy roof and ceiling		
	Side panel width (mm)				
DxB	400	600	400	600	
(mm)	Roof load width 'RLW' (m)				
300 x 90	3.3	3.9	1.6	1.9	
360 x 90	6.0	7,0	2.9	3.4	
400 x 90	8.3	9.7	4.1	4.8	

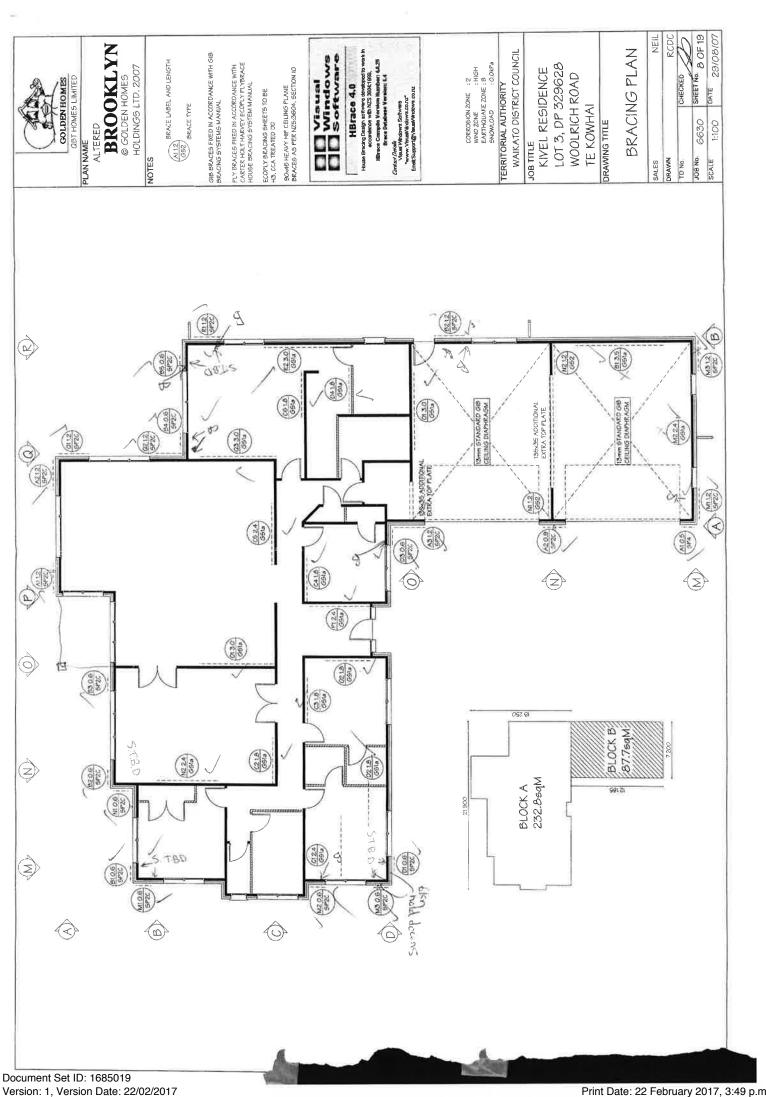
Refer to the hy90 brochure fir span diagrams and typical construction details.

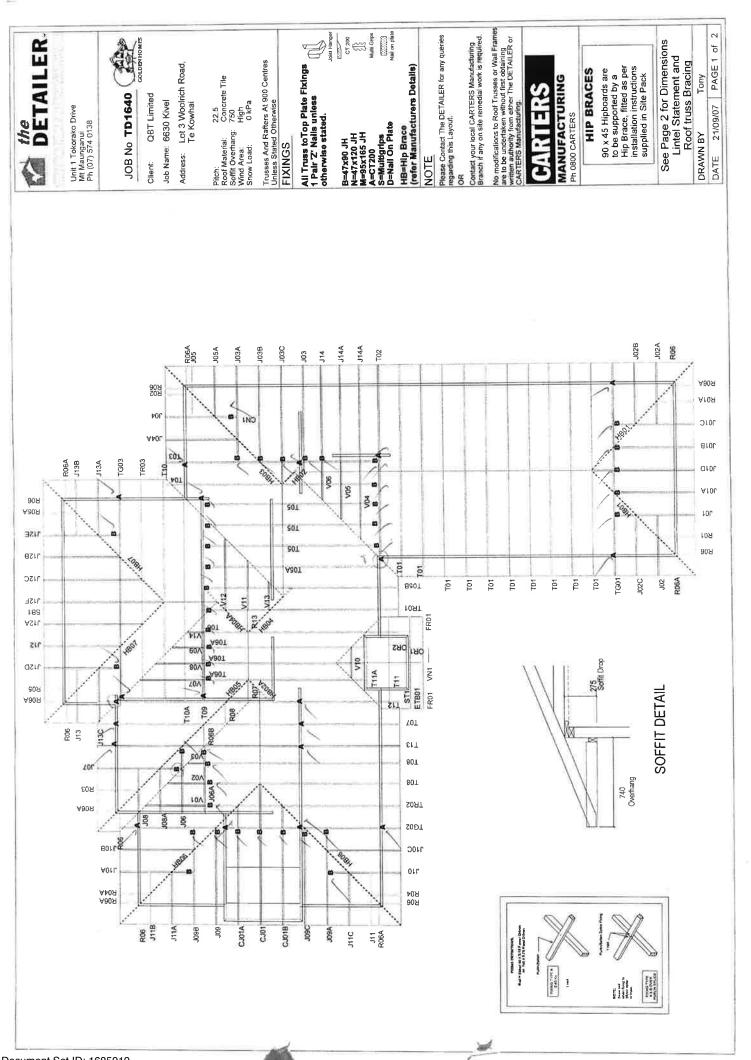
Warwick Banks BE (Civil), MIPENZ 18th April 2007

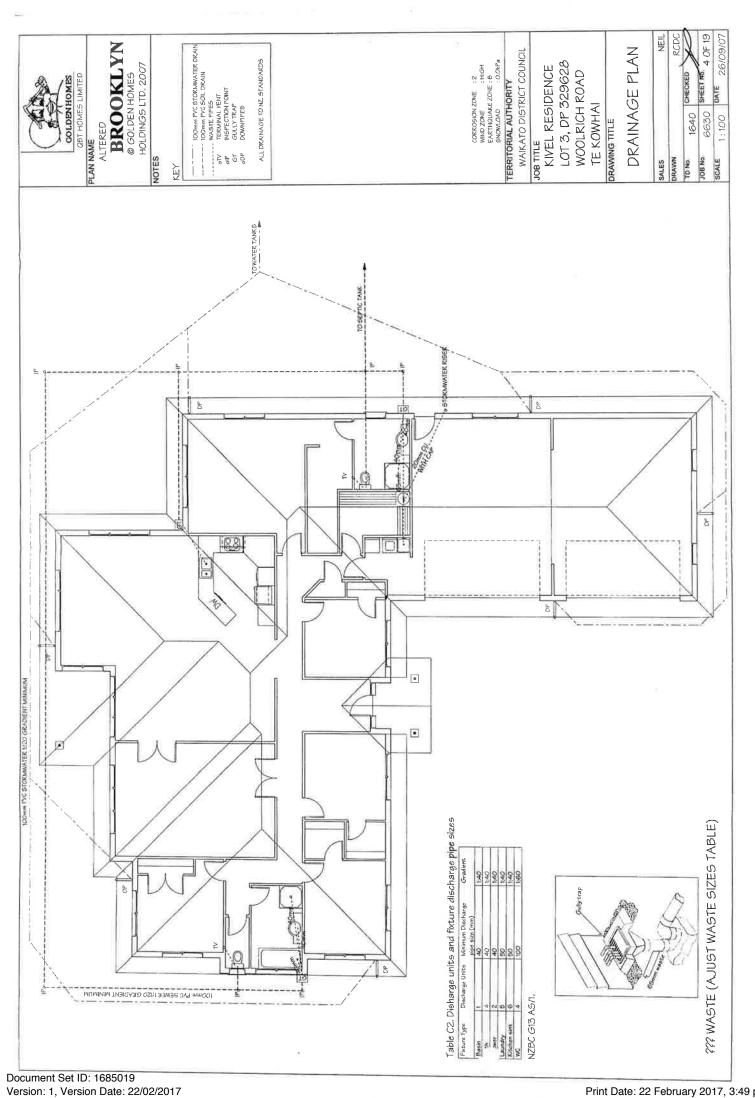
Carter Holt Harvey Limited

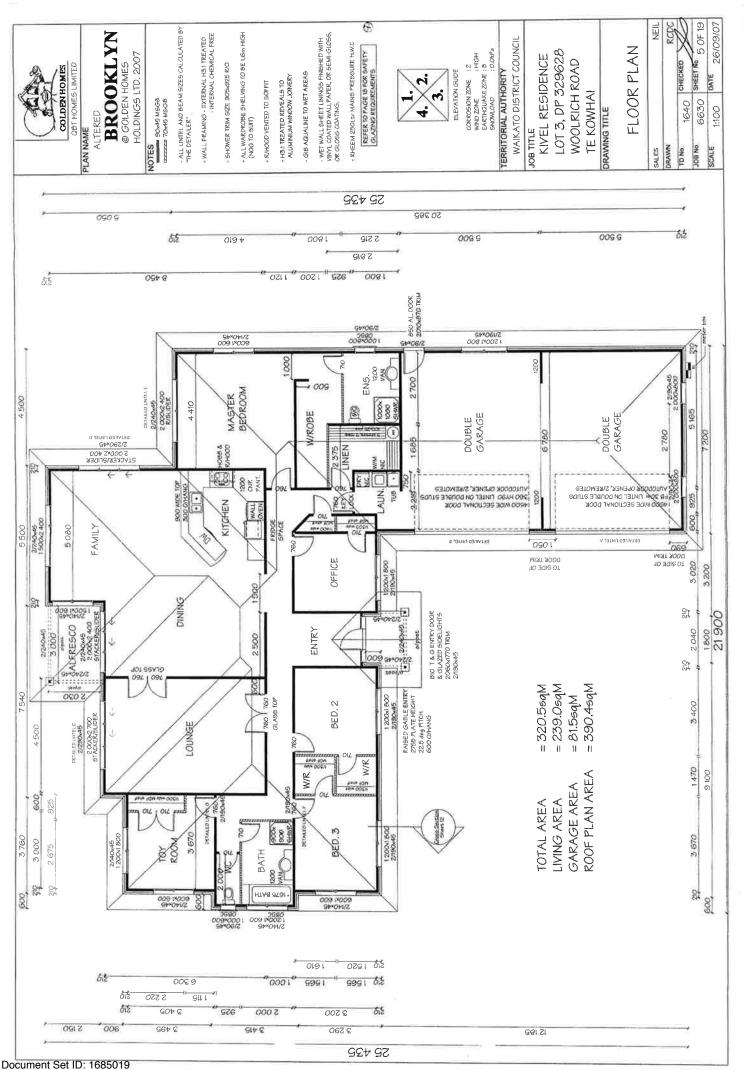


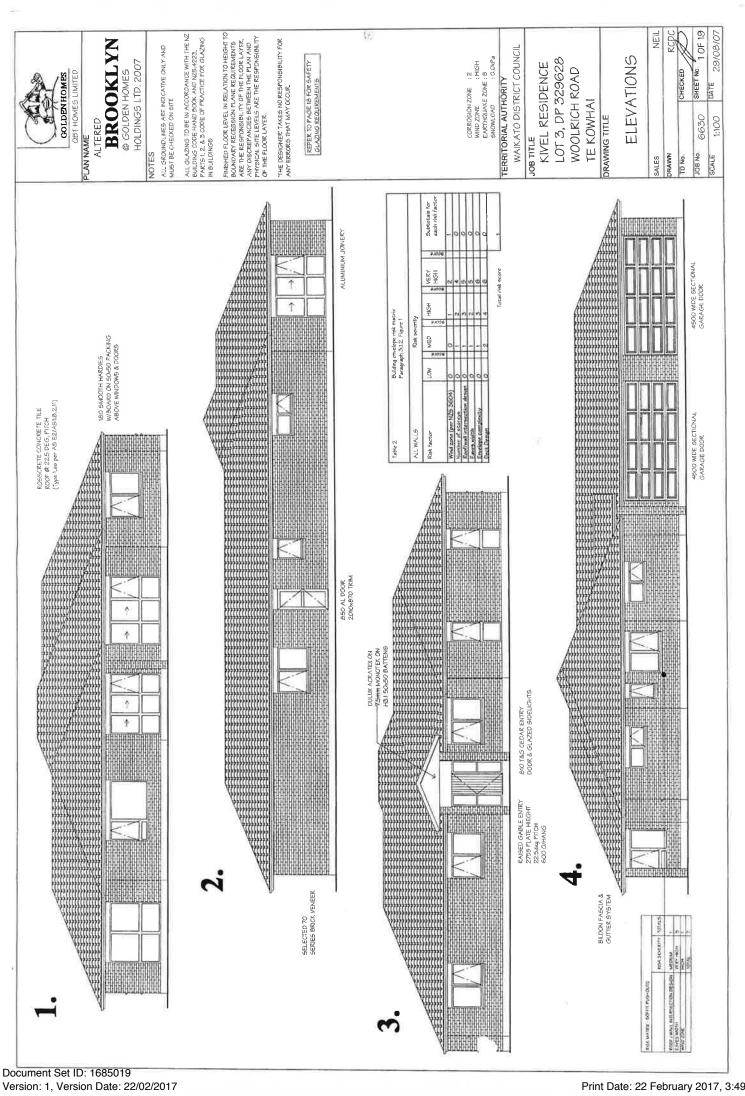


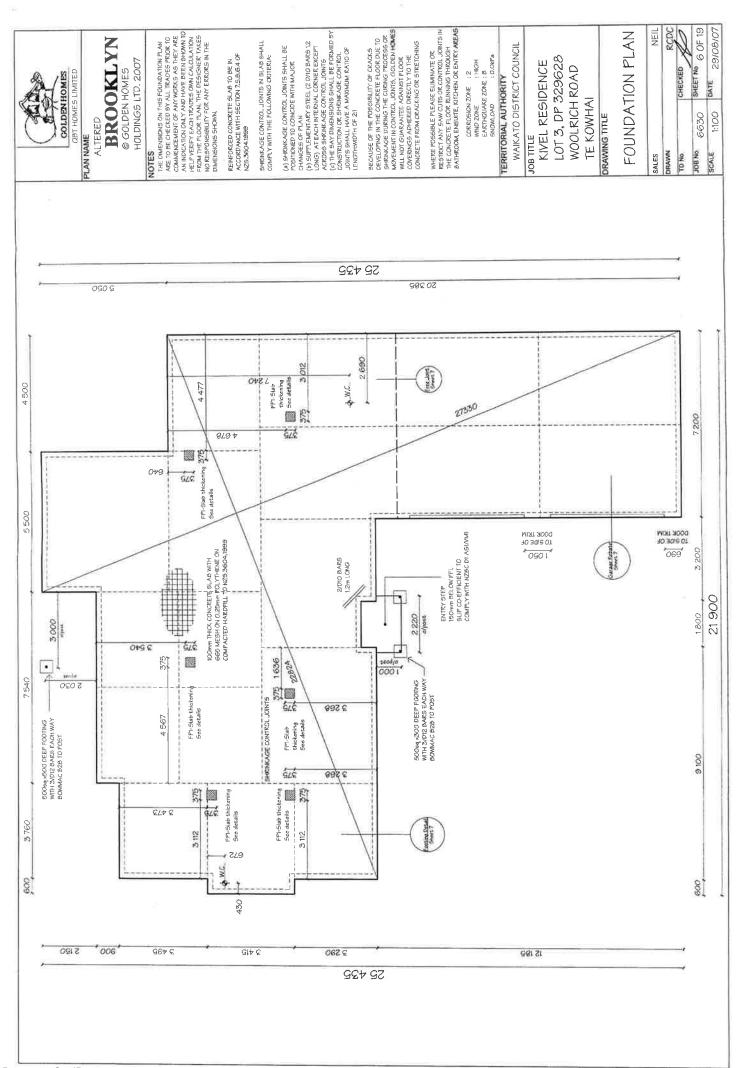


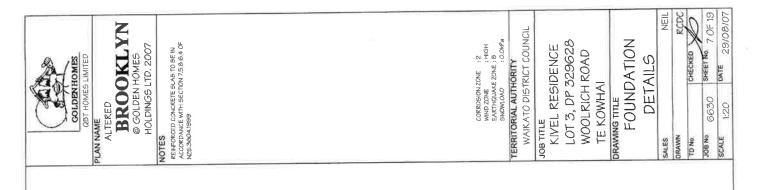


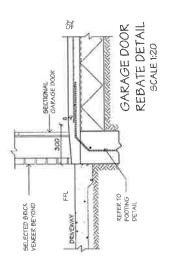


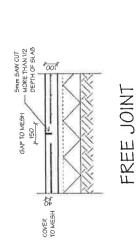




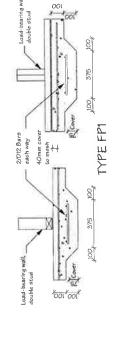


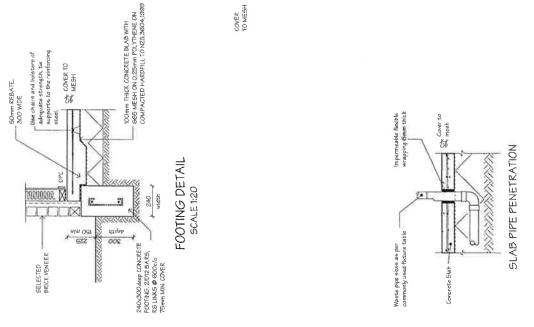






SCALE 1:20







BROOKLYN © GOLDEN HOMES HOLDINGS LTD. 2007 PLAN NAME ALTERED

GIB BRACES FIXED IN ACCORDANCE WITH GIB BRACING SYSTEMS MANUAL NOTES

PLY BRACES FIXED IN ACCORDANCE WITH CARTER HOLT HARVEY ECOPLY PLYBRACE HOUSE BRACING SYSTEM MANUAL

TO BE FIXED IN ACCORDANCE WITH GIB BRACING SYSTEMS MANUAL AND PUBLICATION GIB "SITE GUIDE"

FASTENINGS @ 150c/c TO THE BOUNDARY MEMBERS AROUND ENTIRE PERIMETER OF THE DIAPHRAGM

FASTENERS - 32mm × 6g GIB GRABBER DRYWALL SCREWS OR - 30mm × 2.8mm GIB NAILS

ECOPLY BRACING SHEETS TO BE H3, CCA TREATED DD

COKROSION ZONE : 2
WIND ZONE : HIGH
EARTHQUAKE ZONE : B
SNOWLOAD : 0.00Pa

: O.OkPa TERRITORIAL AUTHORITY

GIB® Standard Plasterboard

8mm from cut edge

051

150

150

50 100

12mm from tapered (paper bound) edge

120

bracing elements GIB® Standard

Fastening pattern for

WAIKATO DISTRICT COUNCIL JOB TITLE

LOT 3, DP 329628 KIVEL RESIDENCE **WOOLRICH ROAD**

TE KOWHAI

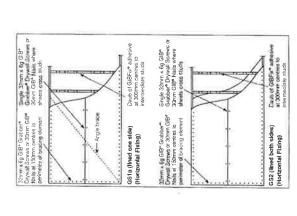
BRACING DETAILS DRAWING TITLE

RAWN	NEI NEI NEI NEI NEI NEI NEI NEI NEI NEI
	RCDC
ID NO CHECKED	X

DATE 29/08/07 SCALE N.T.S

50x25mm F.H. nails to 7mm Plybrace @ 300c/c to internal studs See strap fixing detail 30x2.5mm F.H. nails to 7mm Plybrace @ 150c/c to edges FIXING OF PLYWOOD BRACING SHEET

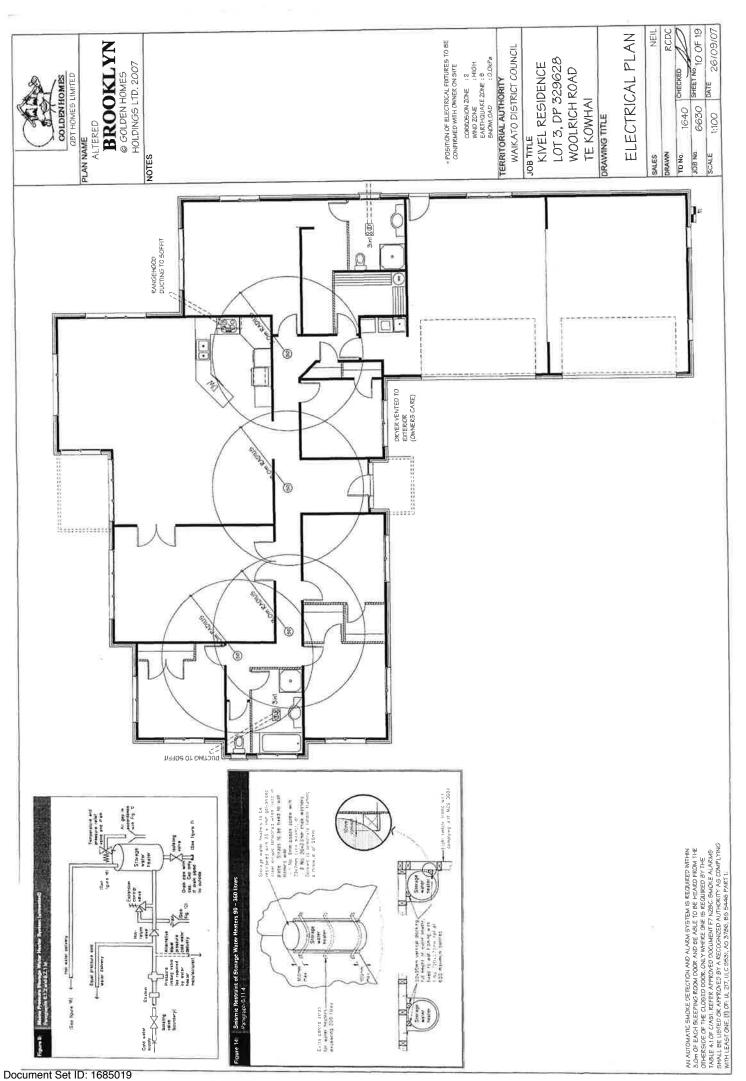
Anchor Bolt with 50x50x3mm TYPE 2 STRAP FIXINGS TO END STUDS OF PLYWOOD SHEET BRACES 100тт тах for fxing IN ACCORDANCE WITH ECOPLY BRACING MANUAL MARCH 2005 6-30x3 15mm dia Galv. F.H. nails each side of stud 25ximm galvanised sheet brace strap wrapped under plate. 6-30x3.15mm dia. Galv. F.H. naile (a)

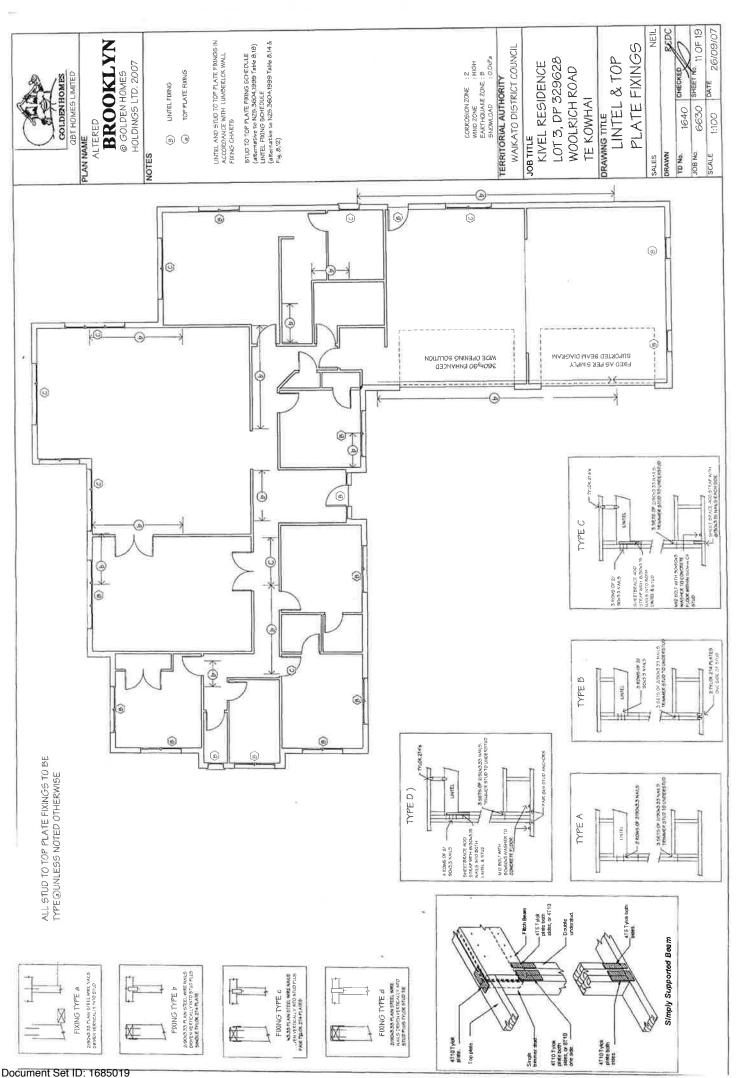


Document Set ID: 1685019 Version: 1, Version Date: 22/02/2017

13mm STANDARD GIB CEIILING DIAPHRAGM

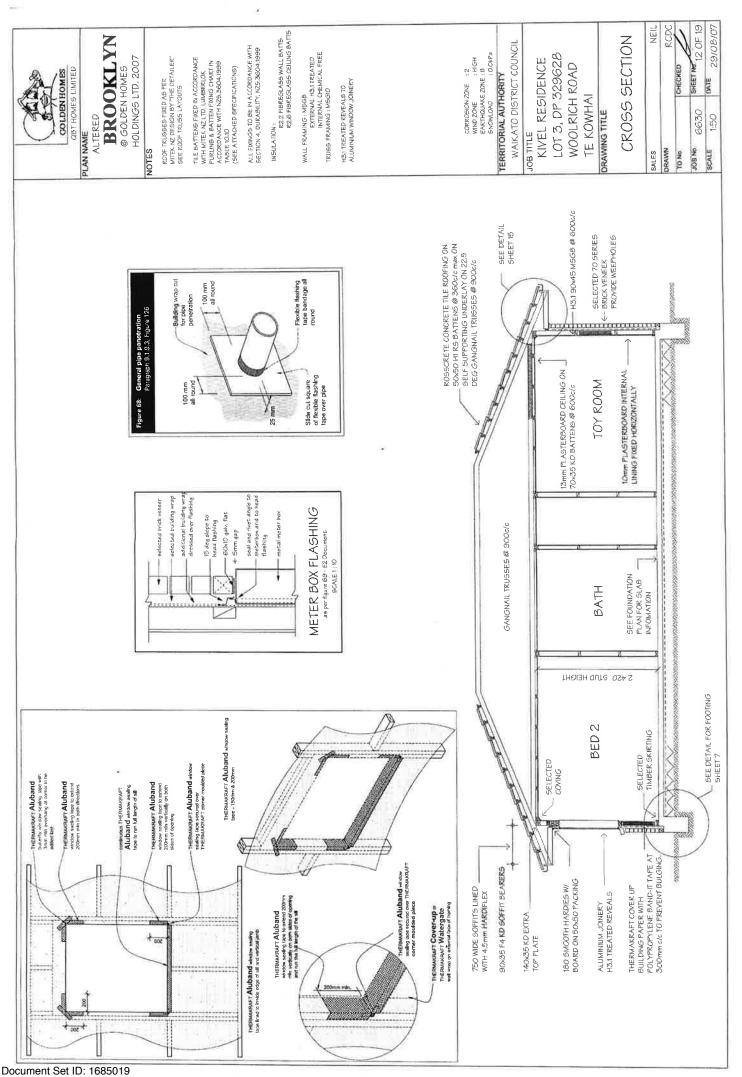
70x35 CEILING BATTENS @ 600c/c



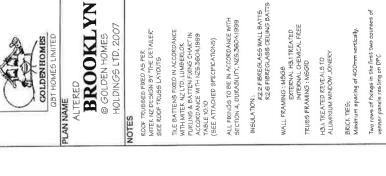


Version: 1, Version Date: 22/02/2017

Print Date: 22 February 2017, 3:49 p.m.



Version: 1, Version Date: 22/02/2017



BARICK TIES:
Maximum Ress;
Maximum Pacing of 400mm vertically.
Two rows of fixings in the first two courses of venner panels resbing on DPC.

CORROSION ZONE:
WIND ZONE
WIND ZONE
STATINGUMAE ZONE:
BENNANCOAD:
CORROSIONATION

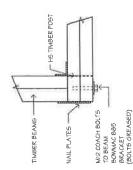
ERRITORIAL AUTHORITY
WAIKATO DISTRICT COUNCIL

JOB TITLE
KIVEL RESIDENCE
LOT 3, DP 329628
WOOLRICH ROAD
TE KOWHAI

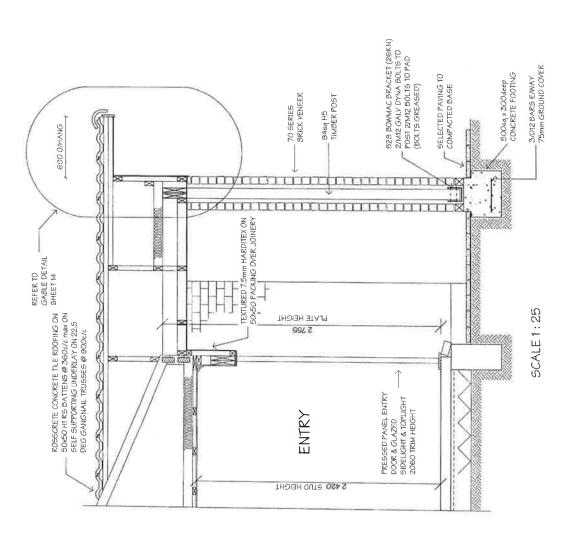
(0
יי
=
7
لبنا
\succ
W
\vdash
Z
111

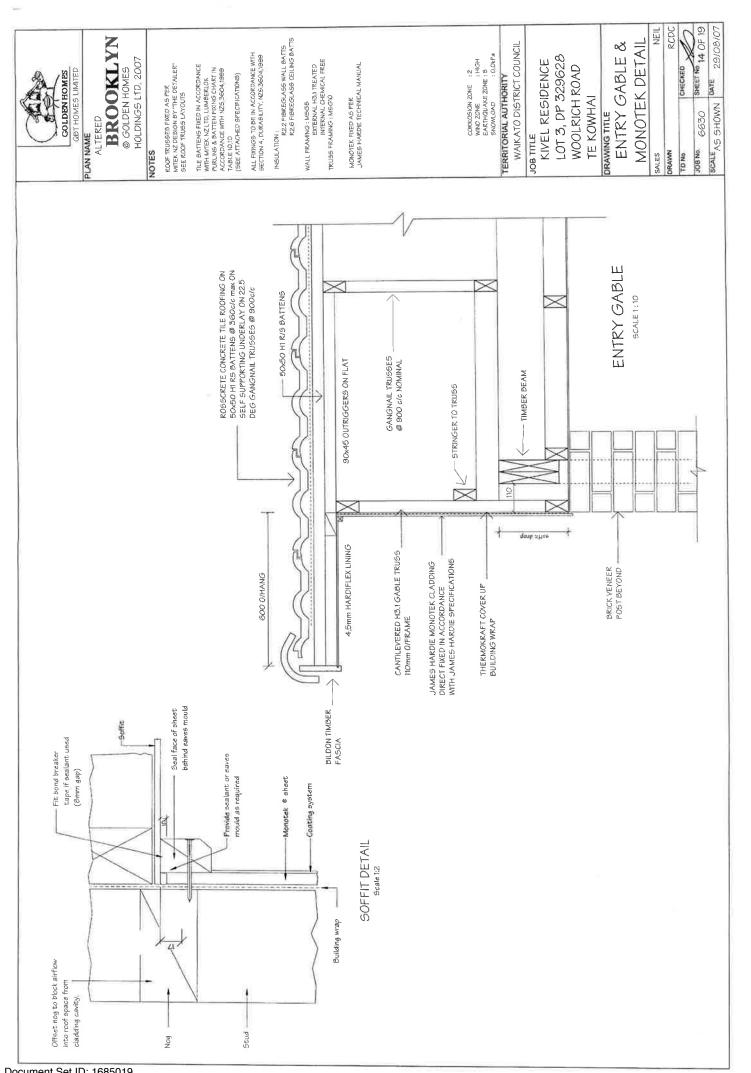
DRAWING TITLE

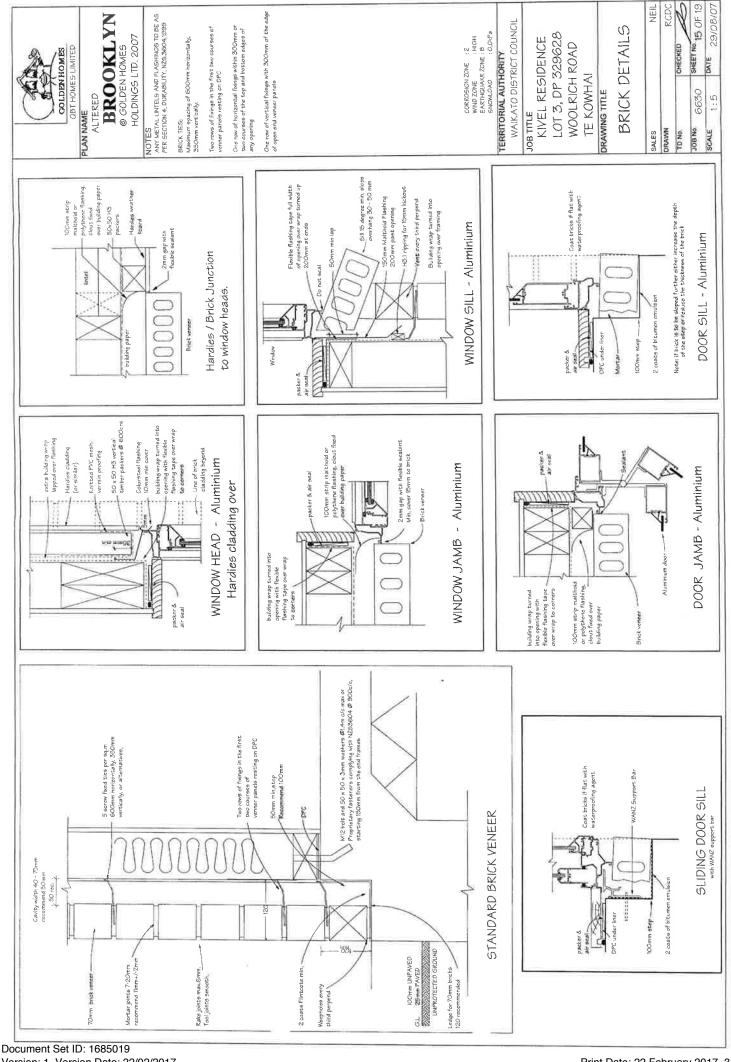
SALES	NEIL
DRAWN	RCDC
TD No.	CHECKED
0299 on 80r	SHEET NO. 13 OF 19
SCALE AS SHOWN	DATE 29/08/07



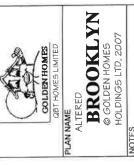
POST / BEAM CONNECTION







REI RCDC



ANY METAL LINTELS AND FLASHINGS TO BE AS PER SECTION 4, DURABILITY, NZS.3604,1999 BRICK TIES: Maximum spacing of 600mm horizontally. 350mm vertically.

One row of horizontal fixings within 300mm or two courses of the top and bottom edges of any opening Two rows of fixings in the first two courses of venner panels resting on DPC

One row of vertical fixings with 300mm of the edge of open end venest panels

CORROSION ZONE : 2
WOND ZONE : HIGH
E.KRTHQULKE ZONE : 9
SNOM OAD : 0.0 kF2

TERRITORIAL AUTHORITY

WAIKATO DISTRICT COUNCIL

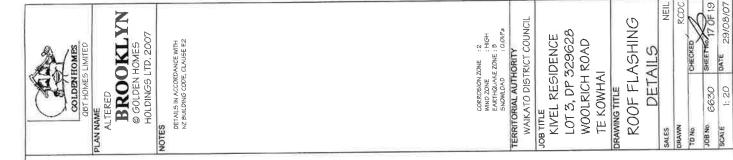
LOT 3, DP 329628 WOOLRICH ROAD JOB TITLE KIVEL RESIDENCE

TE KOWHAI

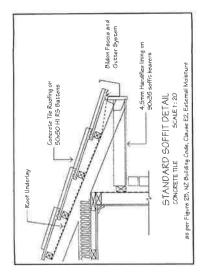
١		YILS	į
		DET/	
	LE	PIER	
	DRAWING TITLE	BRICK PIER DETAILS	
	18	ω	

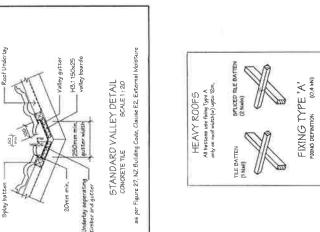
SALES		NEIL
DRAWN		RCDC
TD No.		CHECKED
JUB No.	6630	SHEET NO 16 OF 19
SCALE	1.10	DATE 29/08/07

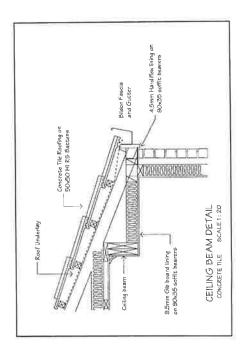
FIG. 50 PIERS & RETURNS - Brick Veneer Openings & Arches PLAN VIEW A) Alternative Solution for BCA's when Piers are less than 230mm wide LIMITATIONS. Singla secrety or top floor Not to eurport steel lintels	Bricks to be tied every second course. 230mm piers are too small to support little which require 200mm of landing each eide. Ignore pier and treat se one large opening.	C) Galvanised steel lintels may be supported on 300mm returns and 400mm plers	Note: In most cases where brick veneer is sted to a timber or steel frame, it is in a ron-structural situation and the width of the per is not critical unless it is extraying a limited may be transferred to the structural frame using Shalf Anger Where the dimersion of the export is in question, the load may be transferred to the structural frame using Shalf Anger provided the specification for Monier's ASC System is followed. Alternatively, consult a structural engineer for specific design provided the specification for Monier's ASC System is followed. Alternatively, consult a structural engineer for specific design Angle placing reinfecced benefits for increase Arches The may result in long term surply problems or the surface of the bricks due to salke in the
8	a a a a a a a a a a a a a a a a a a a	him plans	situation and the real frame using Shelf An engineer for specific des in the

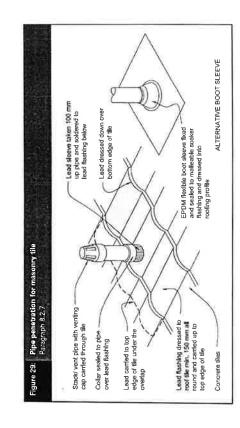


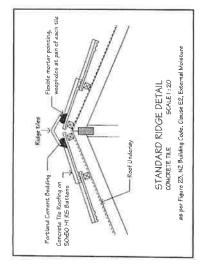
NAILS = 90x3,15 power driven or 100x3,75 herd driven













PLAN NAME ALTERED

BROOKLYN @ GOLDEN HOMES

HOLDINGS LTD, 2007 NOTES

ALL GLAZING TO BE IN ACCORDANCE WITH THE NZ BUILDING CODE HAND BOOK AND NZS.4223. PARTS 1, 2, 8, 3 CODE OF PRACTICE FOR GLAZING IN BUILDINGS



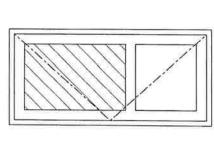
Grade A safety glass as shown, interior panel or both panels (interior & exterior) refers to double glazing.

DOUBLE GLAZED WINDOW AND DOOR UNITS

SAFETY GLASS GRADE A

BATHROOM & ENSUITE WINDOWS

(grade A safety glass interior panels only)



(grade A safety glass both panels) WITH VISION RAIL DOOR

Document Set ID: 1685019 Version: 1, Version Date: 22/02/2017 SHEET No. 18 OF 19 29/08/07

6630

JOB No.

1:25

SCALE

N H

SALES TD No

SAFETY GLAZING

WAIKATO DISTRICT COUNCIL

SNOWLOAD
TERRITORIAL AUTHORITY

LOT 3, DP 329628

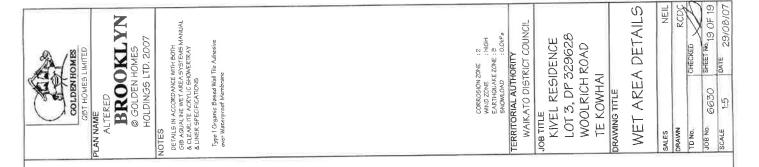
WOOLRICH ROAD

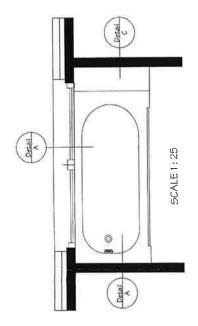
TE KOWHAI

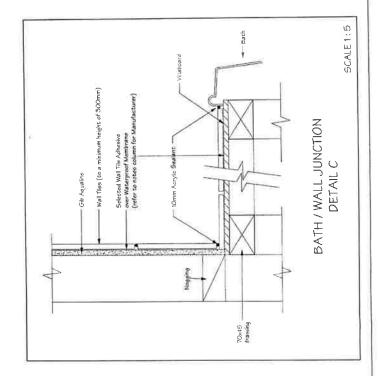
DRAWING TITLE

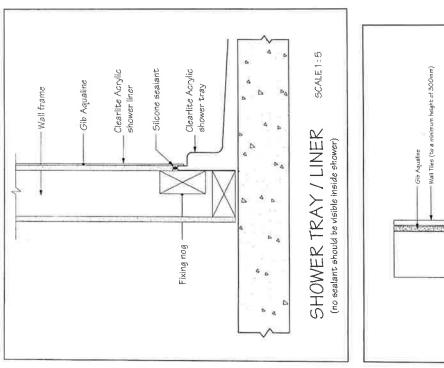
JOB TITLE KIVEL RESIDENCE

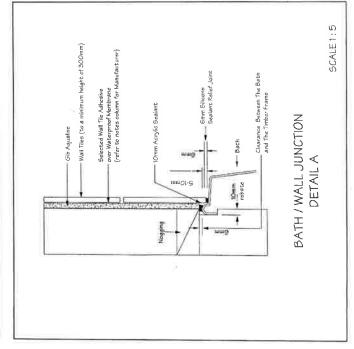
CORROSION ZONE: 2
WIND ZONE: HIGH
EARTHQUAKE ZONE: B
SNOWLOAD: 0.0kPs





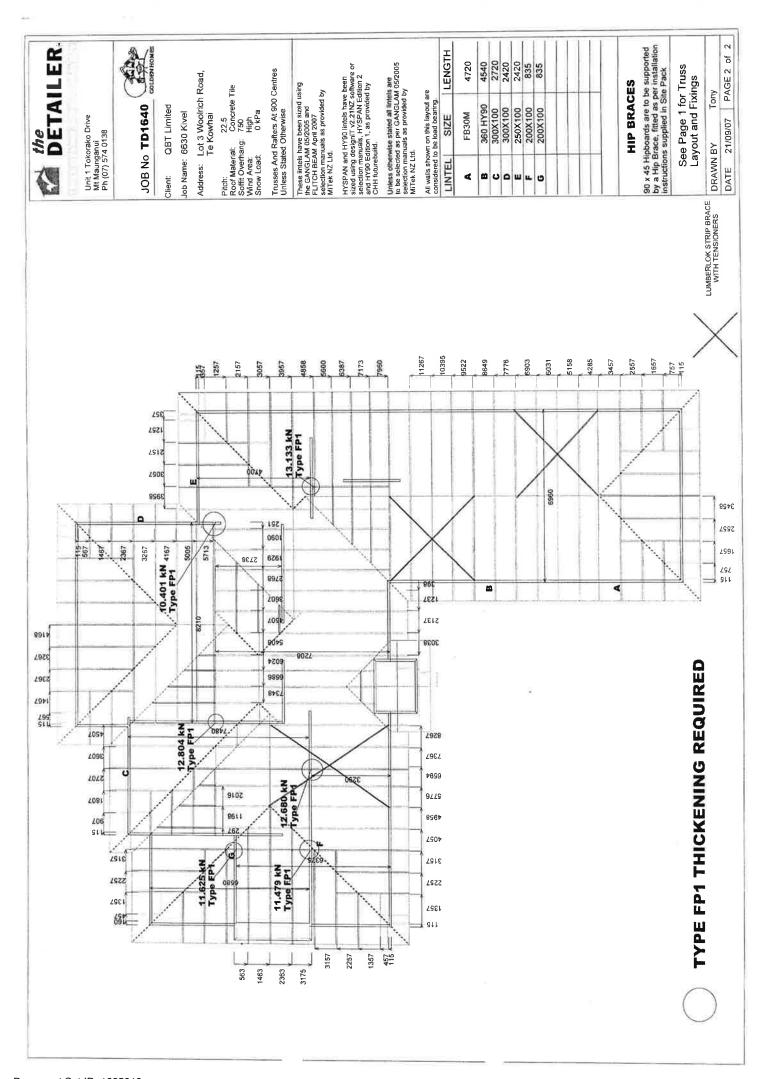






Document Set ID: 1685019

Version: 1, Version Date: 22/02/2017



G.A. Hughes & Associates (2005) Ltd.

Consulting Civil & Structural Engineers

Cnr. Graham & Newall Streets, Hamilton East. P.O. Box 4306 Ph. (07) 856-9097. Fax (07) 856-2722. Email: steve @gahughes.co.nz

10th October 2007

Golden Homes, P O Box 20-343, HAMILTON.

cc. Sandra Kivell

<u>Domestic On - Site Stormwater Management Plan</u> <u>At #60 Woolrich Road, Te Kowhai.</u> Ref: 056238 Drawing # 7888/1-4

Dear Madam,

In accordance with your request we have carried out a site assessment and evaluation at the above referenced property. The purpose of this assessment was to determine On-Site Stormwater Management for a proposed residential dwelling on the site.

1. Objective of On Site Stormwater Disposal

As listed in section E1.1 of the NZBC, the objectives of the stormwater disposal management plan are to:

1) Safeguard people from injury or illness, and other property from damage, caused by surface water; and

2) Protect the outfalls of drainage systems.

2. Investigations

Our investigations and design has been carried out in accordance with the New Zealand Building Code (Section: E1 Surface Water) and NZWERF On-site Storm Water Management Guideline, October 2004, and have included both desk top evaluation and on-site examination.

2.1 Desk Top Evaluation

The site has been evaluated with regard to soil type and geological maps. The overall annual rainfall for the area is 1200 mm. The average annual evaporation is 870 mm.

2.2 On-Site Evaluation

The site was inspected on the 8th October 2007. Weather conditions on the day were cloudy but fine and during the preceding week were showery with some rainy periods.

2.2.1 Topography

The site topography is sloping to rolling with slopes less than 26 degrees and has ground cover of grass. The sites history of land use was as farm land.

G.A. Hughes, Director, B.E., Dip.Mgt., MIPENZ (Civil, Structural), CPEng, IntPE, ANZIM, FNZPI, AREINZ.

J.S. Jaspers, Director, NZCE (Civil), AdvTradeCert (Building)

2.2.2 Site Exposure

The site aspect is northerly and the prevailing wind direction is westerly.

2.2.3 Drainage Contours

The depth of seasonal water table was located at 900 mm at the time of the investigation.

2.2.4 Site Soakage Assessment

Percolation testing was carried out in accordance with NZBC (Surface Water Section 9.0.2). Soil profiles were also carried out by hand auger equipment and indicate soils type as follows —

Percolation hole 1: revealed 100 mm topsoil, 200 mm silty clay loam: fine, very friable and orange then 600 mm clay: fine, sticky and orange, becomes moist at 700 mm depth, becomes wet at 900 mm depth to end of bore at 900 mm depth.

Water table was found at 900 mm depth.

Percolation Hole / Estimated Soil/Permeability Categories are set out below -

Soak Hole #		61,20		1
Soil Category		2.5	A KIN	5
Sr: (mm/hr)	1	5 4 2	2	24 0

3.0 Stormwater Disposal System

3.1 On Site stormwater disposal system

On-site stormwater disposal system will consist of one 22.5 m³ water tank (with 4.5 m³ temporary storage) with an overflow to a 110 m³ minimum storage lake. The outlet for the discharge into the lake will require erosion protection (see detail on page 4 (Hamilton City Council, Development Manual August 2007, TS 409)).

NOTE: The fencing around the lake is to comply with the local territorial authorities regulations.

3.2 Silt control & leaf protection

For the effective operation of stormwater soakage disposal, it is essential that organic material and silt to be prevented from entering the soakage trenches. Catch-pits shall be fitted with silt trap and leaf traps shall be fitted to the down pipes. The silt trap and leaf traps are to be inspected and cleaned regularly.

Yours faithfully,

G.A. Hughes, Director,

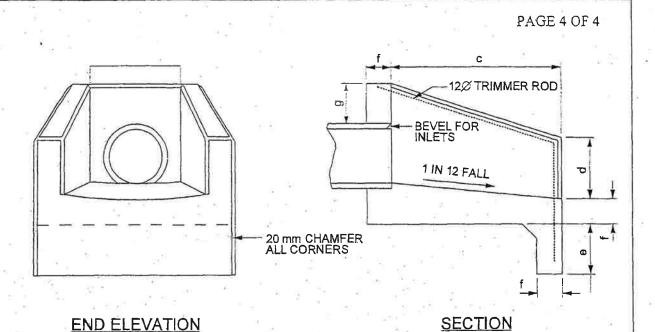
G.A. Hughes & Associates Ltd.

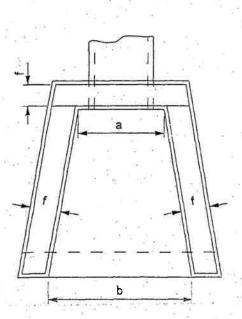
Sandra Kivell	Consulting Civil &	Structural Engineers
ADDRESS	P.O. Box 4306, Hamilton. Ph.	. 0-7-856 9097. Fax 0-7-8562772
60 Woolrich Road	Ref:	Date: 12-Oct-07
Te Kowhai	CALCULATION SHEET	No: 1
Roof ar	ea & coeficient A1= 390.	4 m^2 C1= 0.9
Concrete surface ar	ea & coeficient A2= 234.	2 m^2 $C2 = 0.86$
Total impervious area & ave	erage coeficient A= 624	C = 0.89
Pervious ar	ea & coeficient A3= 1814	19 m^2 $C3 = 0.4$
	Site area A= 1877	74 m ² Soil type: Clay
Rest of site are	ea & coefficient A4= 1814	C4= 0.41
Rainfall intensity 10%AE	P Tc= 60 Minutes	I= 45 mm/hr

Water tank retaining water volume

CLIENT G.A. Hughes & Associates Ltd Sandra Kivell Consulting Civil & Structural Engineers P.O. Box 4306, Hamilton, Ph. 0-7-856 9097, Fax 0-7-8562772 **ADDRESS** Date: 12-Oct-07 Ref: 60 Woolrich Road Te Kowhai No: 2 CALCULATION SHEET Check with NZWERF mm/hr 15 85 Rainfall intensity 10% AEP D=15 min. Tc=min. Diamter of orifice 15 mm360 0.40 85 1.877 Green Field site peak discharge Q=CIA/360= \mathbf{x} 177.3 1/s0.1773 ^ m3/s= 0.039 Peak roof discharge Q=CIA/360= 0.90 85 360 X m3/s8.3 1/s0.0083 0.41 85 1.815 360 Rest of site peak discharge Q=CIA/360= \mathbf{x} m3/s176.2 0.1762 1/s Hydrograph 176.2 8.3 30 15 15 30 Rest of site Roof Tank Net Total Tank Over -Tank Adjust Rest of Tank inflow out-Stora Time WL flow site WL storage flow ge site \underline{m}^3 \underline{m}^3 m^3 1/s 1/s1/s minutes 1/s m^3 0 0 0 0 0 0 0 0 ... 0 0 0.005 0.04 0.098 0 29.36 29.40 1.4 0.10 0.01 2.5 0.10 0.08 0.398 58.72 58.80 0.04 0.024 0 5 2.8 0.31 0.41 88.21 0.09 0.062 0.13 0.897 0 88.08 7.5 4.1 0.52 0.92 117.62 0.15 0.118 0.17 1.597 0 117.44 10 5.5 0.73 1.62 146.80 | 147.03 6.9 0.193 0.22 2.497 0 12.5 0.93 2.53 0.24 3.597 0 176.16 | 176.44 0.34 0.287 0.27 8.3 1.14 3.64 15 0.19 146.80 147.12 6.9 4.74 0.440.39 0.32 4.5 17.5 1.14 117.79 0.473 0.35 4.5 0.881 117.44 0.51 20 5.5 0.93 5.43 88.08 88.44 5.23 0.49 0.496 0.36 4.5 0.672 22.5 4.1 0.73 0.35 4.5 0.466 58.72 59.07 2.8 0.52 5.02 0.47 0.477 25 29.70 0.45 0.457 0.34 4.5 0.26 29.36 27.5 4.81 1.4 0.31 4.5 0.00 0.34 4.60 0.43 0.438 0.34 0.053 30 0 0.100.33 32.5 0 0.00 4.50 0.42 0.424 0.33 4.45 0 0.00 0.33 4.401 0.00 0.41 0.416 0.33 0 0 0.00 4.45 35 0.33 4.352 0 0.00 0.33 4.40 0.41 0.412 37:5 0 0.00 0.32 4.304 0 0.00 0.32 0 0.00 4.35 0.41 0.407 40 0.00 0.32 0.403 0.32 4.256 0 0 0.00 4.30 0.4 42.5 4.26 0.4 0.398 0.32 4.208 0.00 0.32 0.00 45 176.4 0.50 0.36 4.50 177 Maximum < 0.50Tank area 10.75 m2Tank height 0.42 m m^3 Diamter of orifice 15 mm Tank capacity 4.50

	Fie	ld Te	st Da	ta -	
Soils Description	ri	0	Shear igth (kpa)	Perco Test Resu	ing 🕝
· · · · · · · · · · · · · · · · · · ·	Depth i Metres		Vane S Strengti	10	C*
Percolation Hole Log No 1	ŏž		> ₹	Time a	Dist
TOPSOIL Silty clay LOAM: fine, very friable & orange	Ē.	1	-	Time (mins)	Dist. (mm)
	Ε.	WT		0	200
CLAY: fine, sticky & orange becomes moist at 700 mm depth becomes wet at 900 mm depth			* * *	1	200
EOB	Ē.		6	2	210
	2		÷	3	240
	Ē		1 EU *	5	270
	F 3	*	ď	10	310
	Ē	,		15	340
	F 4	1.00		20	390
Testing carried out on 8th September 2007 — Weather on day fine & overcast	E	124		30	430
 Proceeding week weather was showery with rainy periods Hole soaked for 4 hours prior to testing 	5		#/ ## g	40	490
 Water table located at 900 mm depth Ground contour sloping to rolling 	E			60	550
with slopes less than 26 degrees	E 6	1000			26
www.file.com.com.go.u.e.eeeeeeeee.com.go.u.e.u.e.e	Ē		G 12		XE360 Y 3115
	F 7			7.	
	Ē ;				v *
	8		-	1	e E
Note: The stratification lines represent the approximate boundary between soil types and the transition may be gradual	•	g " =	· ·	72a 41 a	
G.A.HUGHES & ASSOCIATES Ltd.	Te k	Woolri Cowahi, Sandro			a i
CONSULTING CIVIL & STRUCTURAL ENGINEERS Onr. Graham & Newall Streets, Hamilton East. P.O. BOX 430	Perc	olation	Hole	1 🗵	f 05623





	PR	INCIPA	L DIME!	NSIONS	(mm)		
DIA OF PIPE	а	ь	С	d	е	f	g
150	300	450	600	200	150	100	150
225	380	600	700	250	200	100	150
300	450	750	750	300	200	100	150
375	550	900	850	350	200	100	150
450	630	1100	900	400	230	150	230
525	700	1200	1000	450	230	150	230
600	800	1400	1100	550	230	150	230
750	1000	1700	1200	600	300	150	300
900	1170	2000	1450	650	300	150	300
1050	1380	2300	1700	750	450	150	300
1200	1520	2600	2100	750	450	150	450
1350	1680	2800	2400	750	450	150	450

- Reinforce floor & walls with;

 - 150 375 665 Mesh 450 600 663 Mesh OR 10 dia. rods @ 250 crs. 615 900 12 dia. rods @ 250 crs. 1050 1350 12 dia. rods @ 150 crs.

PLAN

- All reinforcing shall be placed centrally in walls and floor, and shall be continuous between walls and floor.
- Laps in structural grade bars to be 300mm minimum.
- There shall be at least two bars whether mesh or MS over the top of the pipe.
- Concrete is to be ordinary grade (17.5 MPa) in accordance with NZS 3108:1983.
- Inlet Structures to have reverse apron fall.

HAMILTON CITY COUNCIL WORKS & SERVICES GROUP WATER & WASTE SERVICES

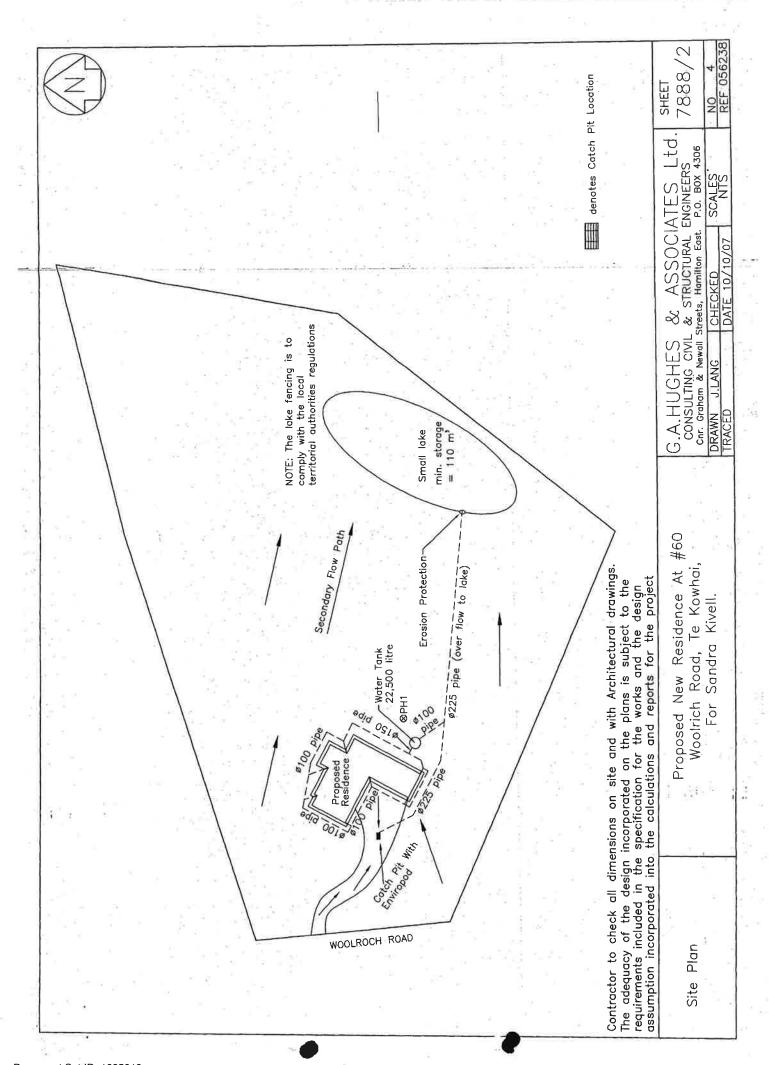
INLET AND OUTLET STRUCTURE

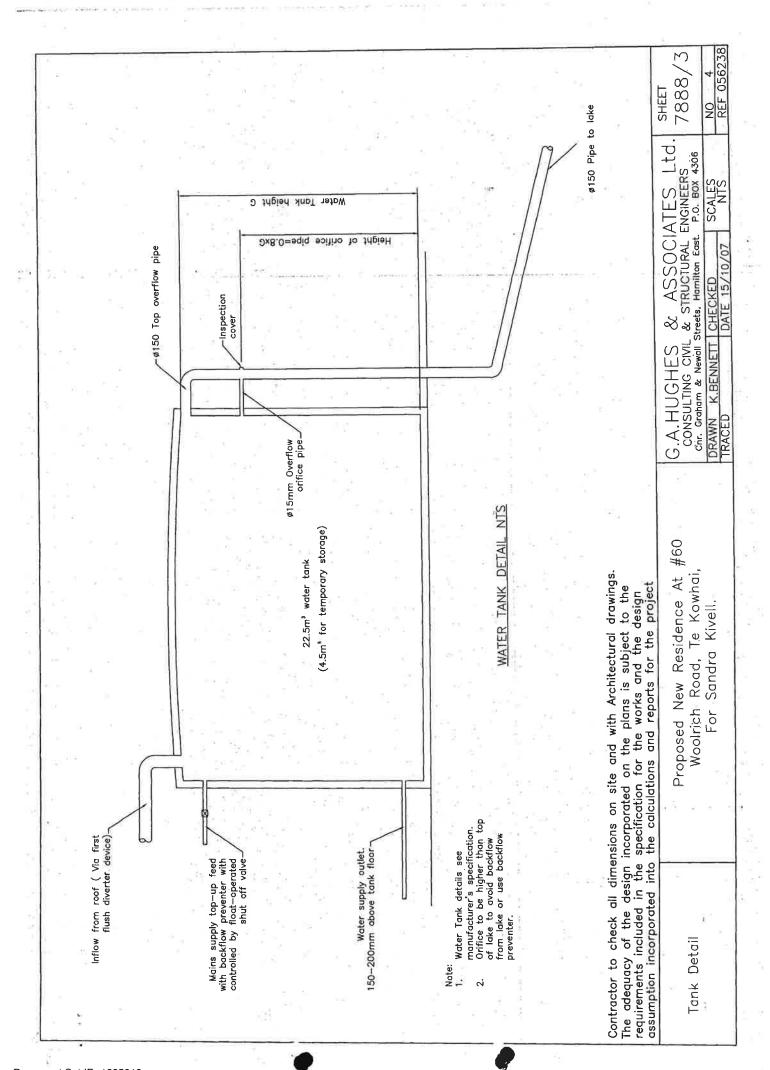
DEVELOPMENT MANUAL TS 409

Approved: WWS Manager

Version: August 2007

Path g:\hccmap\standards\tech spec\drainage\dwgs.dgn





J H WILSON, CONSULTING ENGINEER
32 Anthony Crescent

Hamilton Phone (07) 843 8427

6 September 2006

Mr I Sherburn

Dear Sir,

Re: Soils Testing at 28 Woolrich Road, Te Kowhai

At your request I have carried out soils testing at the abovementioned subdivision. One only 50mm diameter hand auger test hole was drilled and an accompanying Scala Penetrometer test was carried out on each of the three lots. Shear vane tests were carried out in appropriate soils. The positions of the tests and the test results are shown on the accompanying four A4 drawings numbered 2766 / G1 to G4.

The soils are similar at Test Positions Nos 1 and 2 and consist of topsoil overlying stiff clay, which in turn overlies orange coloured clay silt. The shear vane tests in the clay show that these soils are capable of supporting foundation pressures, under unfactored working loads, of greater than 100kPa. The Scala Penetrometer tests in the clay silts show that these soils are also competent. At Test Position No 3, there was 500mm of topsoil and disturbed soils overlying orange brown clay silts (similar to the deeper soils at Test Positions Nos 1 and 3.) The Scala Penetrometer results show that these soils can support 100kPa pressures under unfactored working loads.

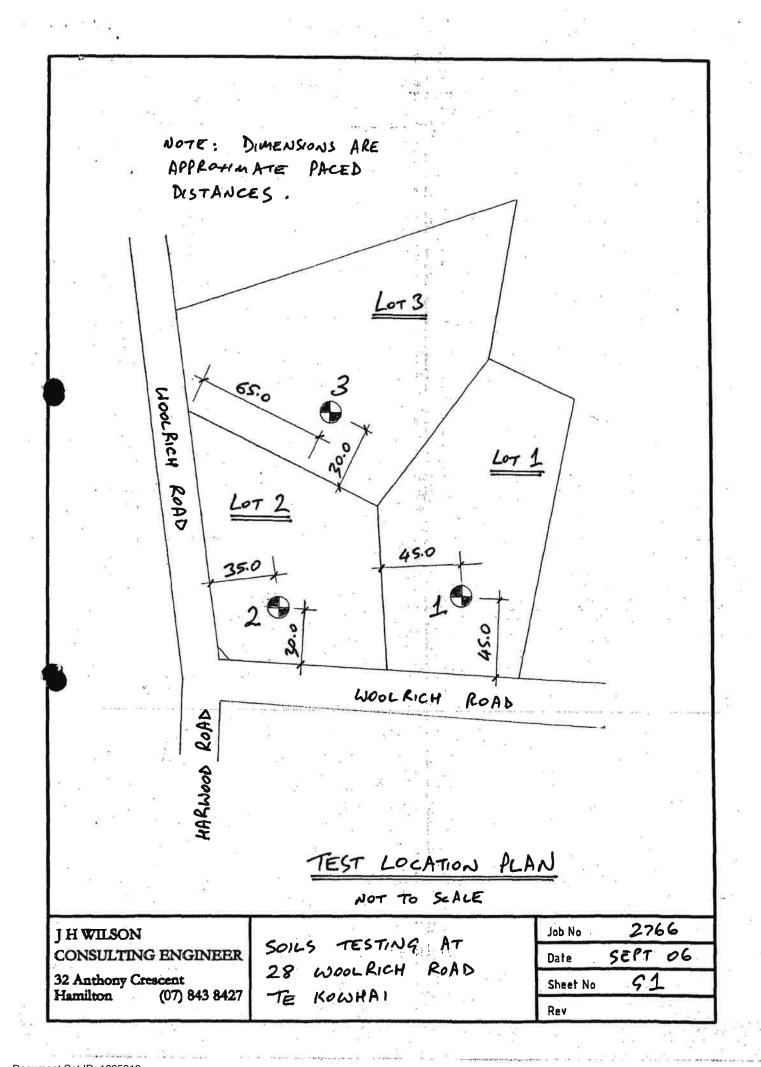
All the sites fall gently away from the road at slopes up to approximately 5 degrees. Near to the central pond, ground slopes increase to approximately 10 degrees. At these slope angles there is an adequate factor of safety against deep seated slope instability. There are no signs of surface soil creep.

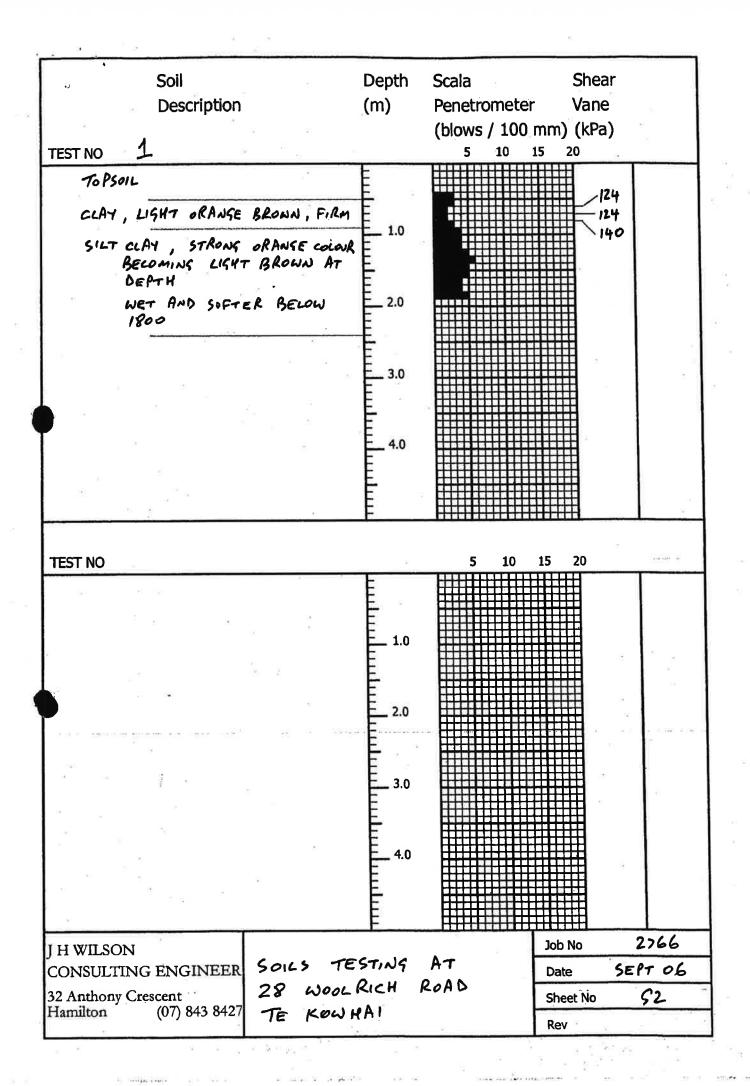
It is concluded that the soils are suitable for structures built to the requirements of NZS 3604 "Timber Framed Buildings" and for other types of domestic construction.

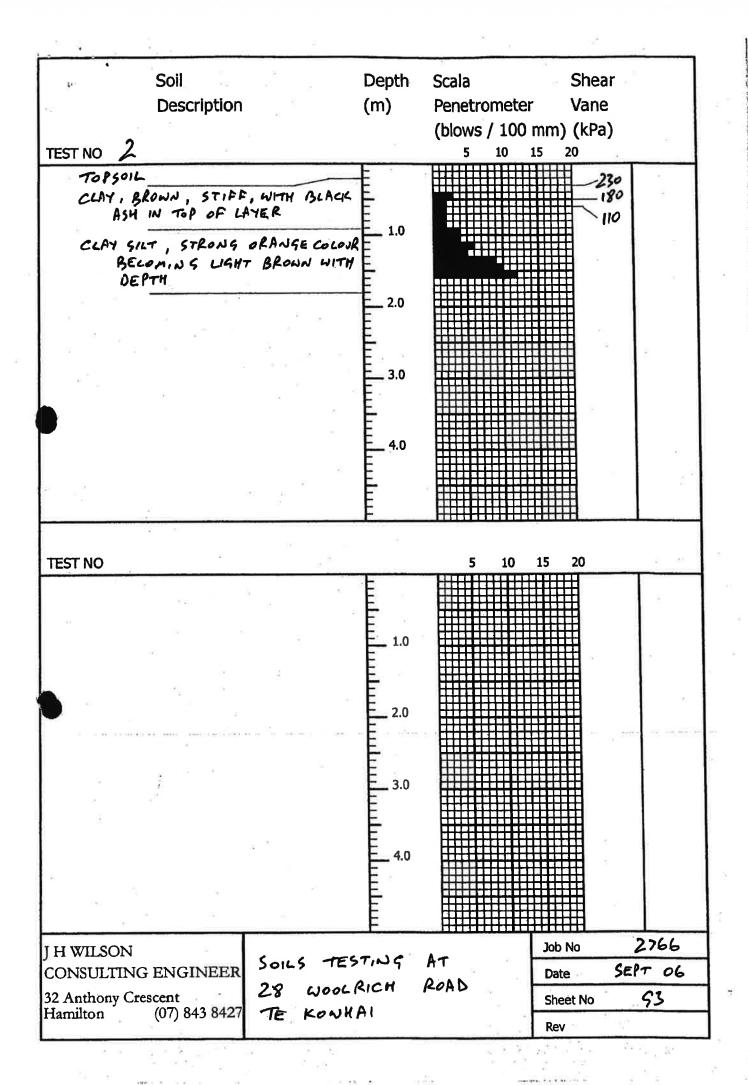
It is expected that the test results will be typical of the soils throughout the subdivision although this cannot be guaranteed. Should soil conditions differing from those described be exposed during construction, further engineering advice should be sought,

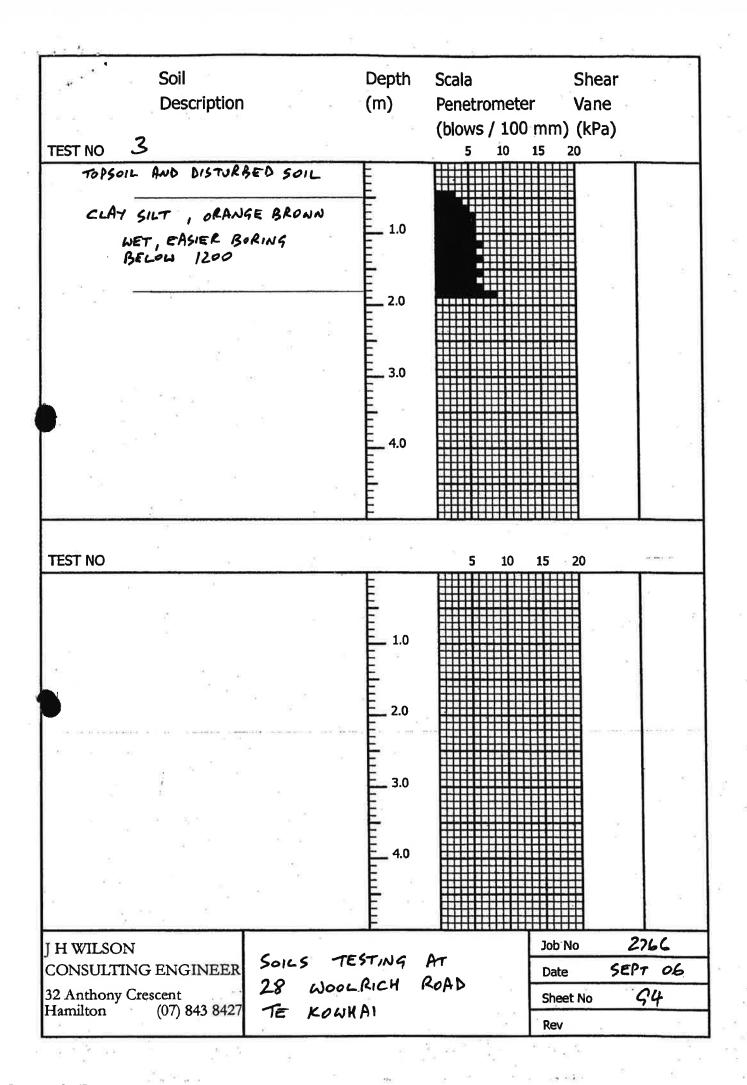
Yours faithfully.

TH Wilson









Woolntch Road 88 38 **Utilities Plan** 60 Woolrich Road, Te Kowhai LOT 3 DP 329628

Document Set ID: 1685019 Version: 1, Version Date: 22/02/2017

Q.

Print Date: 22/02/2017

Projection New Zealand Transverse Mercator Datum New Zealand Geodetic Datum 2000

Cadastre sourced from Lind Information New Zealand under CC-By, Copyright @ Walkato District Council Disclaimer

SCALE 1:2454

Cravity Main upto 200 Gravity Main upto 300 Gravity Main > 300 Catchpit Lead Drainage District Boundary * Rising Main SW Pumpstation Manhole Catchpit Service Valve Other net net Other SW Plant ✓ SW Line SWPoint Storm Water 2 a

miote

Check & Non Return Valve Gate & Bypass Valve TP W/W Pump Station ■ WW Treatment Plant FLUSHING Scour V Rising Main 100 Rising Main 300 Rising Main 200 Walve - Butterfly Valve Chamber WMTP Pond Sluice Valve WW Pumpstation Gravity 200 Gravity 300 Gravity 100 Aerial main Flush Point Flow Meter Air Valve Chamber Manhole Service Fittings WW Valves ▲ Valve > WW Line X WW Point Waste Water Q

Water Waste

CHECK/NON RETURN Suction Duct Scour FLUSHING Scour Water Treatment CLAYTON+PR Sampling Point GATE or PEET Dummy Node WS Pumpstation WS Valves BUTTERFLY Other Valve Connection > Aerial Main Flush Point Mains 200 Mains 100
 Mains 1 ▼ Mains 300 Chamber Fittings SLUICE H Hydrant Service Meter WS Point ✓ WS Line AR Water Supply G.

Aldque Vater W

Introduction to the **PLANNING MAPS**

These planning maps are part of the Waikato District Plan. The maps are referred to in the text volumes.

Map layout

The maps are arranged to show zones and policy or other special controls Important to note is the delineation between the Waikato Section and the Franklin Section as shown on Map i and Map ii. This delineation is necessary due to the different zones between the two sections and development controls such as policy and overlay areas. Various colours, shadings and lines on the maps represent these zones, policy areas and special controls. The maps also include information such as the alignment of the major electricity and gas transmission corridors and designations.

See the map legend for details.

Zones

Except for roads in the Franklin Section all land in the Waikato District is in a zone. Land uses within each zone are expected to generate a compatible range of effects and provide a similar level of amenity.

Roads in the Waikato Section appear white in the maps, as the zone shading has been left off to assist map users with orientation. Although the roads are not shaded, they are in a zone, which is the zone of the land nearest to each point of the road. Where the zone is different on each side of the road, the boundary between the zones is the centre line of the road. Unformed roads are shown with zone shading.

Roads in the Franklin Section are not in a zone and appear white in the maps. This applies to both formed and unformed roads. For activities affecting roads in the Franklin Section refer to Part 15 or seek advice from the appropriate department within Council.

With the exception of the Waikato River and some of its tributaries within the Franklin Section, lakes and rivers appear with blue shading to assist map users with orientation. Although these rivers and lakes are not given any zone shading, they are in a zone, which is the zone of the land nearest to each point of the river or lake. Where the zone is different on each side of the river or lake, the boundary between the zones is the centre of the river or lake.

Activities on the surface of rivers, takes and other water bodies are subject to the ordinary zone rules, for example the noise rules. A person wanting to build a structure in the water, such as jetty, would also have to observe the zone building standards (regional council consents may also be required).

Policy and Special Control Areas

These areas are mapped areas of the district where certain resource management issues are addressed in the plan, such as heritage, conservation areas, landscapes and ecological features. Some land in the district is not in any of these areas, while others may be affected by a number of these controls. If a site is in any of these areas various rules will apply to that particular activity. For example, the earthworks standards are stricter in a Landscape Policy Area.

Information items

Some of the notations on the maps are included for information and to assist orientation of map users, and may not be referred to in the text of the plan. These items include the Te Araroa National Walkway, the landfill site and the motorsport park at Hampton Downs, marae, urupa and various retirement homes. Identification of these sites on the planning maps does not change the legal or planning status of activities on the land.

Numbered sites

Some sites are shown on the maps with a number and symbol. These sites contain a Heritage Item, Maaori Site of Significance, Notable Tree, Outstanding Natural Feature or Designation. The rules that refer to these items are included in the rules for the zone that the site is in or the relevant chapter.

The numbers refer to the text in the plan: Appendices C and F and Chapter 30 of the Waikato Section, and Part 5, Part 8, Appendix Two and the Schedule of Designations of the Franklin Section. Refer to these sections to confirm the identity of the site and to find further information.

For designations in the Waikato Section, the letter before the number identifies the requiring authority that is responsible for the designation. For example, the letter J identifies all designations of New Zealand Transport Agency. See chapter 30 for more details.

For designations in the Franklin Section, numbers run in numerical order and do not identify the requiring authority that is responsible for the designation. See Schedule of Designations for more details.

Where land is designated, the legal rights and responsibilities of the requiring authority (e.g. New Zealand Transport Agency) and the landowner are set out in the Resource Management Act.

Hazard

Hazard areas shown on the planning maps are not exhaustive. Extensive areas of the district are subject to some flood, erosion, contaminated land or subsidence hazards, but not all these areas are shown on the planning maps. The Council does not have specific knowledge of all sites within the district. Applicants for resource consent will be required to identify relevant hazards in their locality.

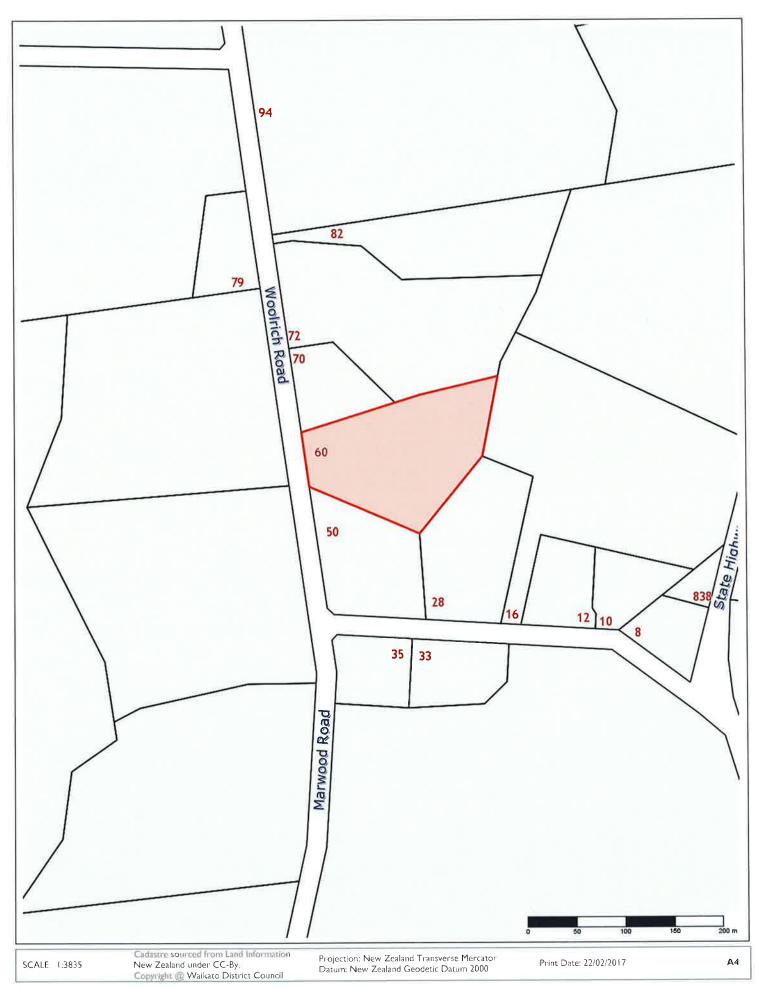
Selected areas in the Living Zone of Huntly have been mapped as flood risk areas because of the particular risks in those areas and the availability of a Regional Council flood management plan. Note that the maps are at a scale of either 1:5,000 or 1:10,000; this means that precise detail for each property cannot be inferred from the maps. The maps are intended only to indicate general areas within which special enquiry about flood risks needs to be made. Within the mapped flood risk areas, there will be land that is not affected by the hazard. These areas can only be identified by a site-specific survey.







Waikato District Plan



Document Set ID: 1685019

Version: 1, Version Date: 22/02/2017

Waikato Waikato District Plan Legend Minerals | Mining Designation Plan Section Divide Aggregate Extraction Policy Area Gas Line (1) State Highway Transmission Line Aggregate Resource Policy Area Indicative Road Intent Important Rail Coal Mine Policy Area Indicative Road Intent Important Land Parcel Local A Zones Commercial Indicative Road Intent Important Water Body Local B Village Business (Franklin) Reserve Indicative Road Location Important Business (Waikato) Indicative Road Location Important Airport Inner Noise Control Collector Business (Franklin) Boundary Indicative Road Location Important Airport Outer Noise Control Construction Space Service Lane Forest Conservation (Franklin) Boundary Airport SEL 95 Noise Control National Walkway Queen's Redoubt Heritage (Franklin) Open Boundary Ragian Navigation Beacon Background Noise Area Recreation (Franklin) Building Segregation Strip High Background Noise Area Wetland Conservation (Franklin) Walkway Cycleway Bridleway Noise Control Boundary Recreation (Waikato) Coastal Marine Area Noise Boundary Distance (m) Heavy Industrial (Waikato) 40 Conservation Policy Area Airport Obstacle Limitation Industrial 2 (Franklin) Surface Ecological Corridor Industrial Services (Franklin) Industrial Area A and B (Pokeno) Environmental Enhancement Area of Interest / Scheduled Overlay Area Light Industrial (Franklin) Агеа Environmental Protection Policy Area Business Centre Classification Industrial Park (Waikato) Housing Restriction Area Gully Area Light Industrial (Waikato) Environment Front Yard Control Line 0000 Hauraki Gulf Catchment Area Industrial (Franklin) Main Frontage Control Line Identified Significant Natural Feature Maioro Mining (Franklin) Mixed Use Policy Area Landscape Policy Area Aggregate Extraction (Franklin) Natural Tamahere Commercial Area Management Area Timber Processing (Franklin) Town Centre Proposed Esplanade Reserve Pa (Waikato) Town Centre Overlay Area Ridgeline Policy Area Residential (Franklin) Verandah Catchment Management Schedule 5A Site of Special Wildlife Living (Waikato) Plan Area High 1% Design Flood Level Threatened Species Serious Decline Residential 2 (Franklin) *********** Flood Limit Threatened Species Gradual Decline Residential New Residential (Waikato) Whaanga Coast Policy Area Flood Risk Living Zone Te Kauwhata Ecological **Policies** (Waikato) Amenity Planting Requirement Huntly East Mine Subsidence Living Zone Te Kauwhata West Anticipated Dwelling Number (Waikato) Huntly South Assessment 1 **Jazard** Village (Franklin) Concept Plan Land Stability Policy Area Environment Rural-Residential (Franklin) Papakainga Policy Area Remediation Policy Area Country Living (Waikato) Residential Large Lot Overlay Area River Stability Policy Area Coastal (Franklin) Residential Medium Lot Overlay Area Battlefield View Shaft Urban Coastal (Waikato) Structure Plan Boundary Heritage Area Rural (Franklin) Urban Expansion Policy Area Heritage Item Rural (Waikato) Village Growth Area Notable Tree Copyright & Disclaimer - Cadastre boundaries sourced from Land Information New Zealand under CC-By. Graphical representations of the District Plan rules have been derived from various sources; the representations are to the best of knowledge. Exact boundaries may require further investigation, please direct enquiries to the Planning and Strategy Team, districtplan@waidc.govf.nz Schedule 8A Information Site of Significance Map Coordinales - the grid coordinates, provided as easting and northing values, measured in metres, use the New Zealand Transverse Mercator 2000 projection grid coordinates. Eastings are labelled on the top and bottom margins, their values increase towards the east. Northings are labelled on the lateral margin. Their values increase towards the north. For example, the value 5884321 is read as 5884 km a 321 m. 1:50 000 maps are marked at 4 km intervals, the area of a grid is 16 square km or 1600 hectares. Map On the overview map the following town abbreviations have been used; Pokeno as Pok, Te Kauwhata as TeK, Huntly as Hun, Ngaruawahia as Nga and Raglan as Rag Waikato River Catchment