

Land Information Memorandum



Property address:

17 Conie Glen Lane

LIM number: H11424006

Page 1

Christchurch City Council

53 Hereford Street, PO Box 73015
Christchurch 8154, New Zealand
Tel 64 3 941 8999
Fax 64 3 941 8984

www.ccc.govt.nz

Application details

Date issued 23 September 2026
Date received 21 September 2026

Property details

Property address 17 Conie Glen Lane, Yaldhurst, Christchurch
Valuation roll number 23510 39845
Valuation information Capital Value: \$990,000
Land Value: \$405,000
Improvements Value: \$585,000
Please note: these values are intended for Rating purposes
Legal description Lot 95 DP 460402
Existing owner

Council references

Rate account ID 73169236
LIM number H11424006
Property ID 1168277

Document information

This Land Information Memorandum (LIM) has been prepared for the purpose of section 44A of the Local Government Official Information and Meetings Act 1987 (LGOIMA). It is a summary of the information that we hold on the property. Each heading or "clause" in this LIM corresponds to a part of section 44A.

Sections 1 to 10 contain all of the information known to the Christchurch City Council that must be included under section 44A(2) LGOIMA. Any other information concerning the land as the Council considers, at its discretion, to be relevant is included at section 11 of this LIM (section 44A(3) LGOIMA). If there are no comments or information provided in these sections this means that the Council does not hold information on the property that corresponds to that part of section 44A.

The information included in this LIM is based on a search of Council records only and there may be other information relating to the land which is unknown to the Council. Please note that other agencies may also hold information relevant to the property, or administer legislation relevant to the use of the land, for example, the Regional Council (Ecan), Heritage New Zealand Pouhere Taonga, and Land Information New Zealand.

Council records may not show illegal or unauthorised building or works on the property. The applicant is solely responsible for ensuring that the land is suitable for a particular purpose.

A LIM is only valid at the date of issue as information is based only upon information the Council held at the time of that LIM request being made. It is essential that the applicant undertakes their own due diligence to verify the suitability of the property for their intended use.

Under Information Privacy Principle 3A (IPP3A) of the Privacy Act 2020, if personal information is collected indirectly (from someone other than the individual concerned), the affected person should be notified. If you are submitting a request on behalf of another individual and providing personal information to Council, please ensure that they are made aware of this prior to submission.

To enable the Council to measure the accuracy of this LIM document based on our current records, we would appreciate your response should you find any information contained therein which may be considered to be incorrect or omitted. Please telephone the Customer Call Centre on (03) 941 8999.

Property address:

17 Conie Glen Lane

LIM number: H11424006

Page 3

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A search of records held by the Council has revealed the following information:

1. Special features and characteristics of the land

Section 44(A)(2)(aa) LGOIMA. This is information known to the Council but is not apparent from a district plan under the Resource Management Act 1991. It identifies each (if any) special feature or characteristic of the land concerned, including but not limited to the likely presence of hazardous contaminants.

☎ For enquiries, please phone (03) 941 8999 or visit www.ccc.govt.nz.

Natural Hazards

Section 44A(2)(a) LGOIMA. This is information known to the Council about natural hazards that is required by section 44B LGOIMA.

Council's information has primarily been obtained from external specialists with the technical expertise to carry out research, investigation or analysis. Under the Local Government (Natural Hazard Information in Land Information Memoranda) Regulations 2025, the Council isn't required to:

- prepare a risk assessment of the land concerned.
- undertake any further analysis relating to the land.
- conduct additional searches or inquiries about the existence of natural hazard information.

It is the LIM recipient's responsibility to seek qualified advice about any identified natural hazard and/or the suitability of the land for its intended purpose.

This section may also include natural hazard information provided by Environment Canterbury. Christchurch City Council is required to include such information in LIMs where Environment Canterbury considers it meets the criteria under section 44C of LGOIMA.

The following statement has been provided by Environment Canterbury:

This Land Information Memorandum includes natural hazard information deemed by Environment Canterbury to be the most up to date, useful, and relevant, and is provided in accordance with the Local Government (Natural Hazard Information in Land Information Memoranda) Regulations 2025. All due care has been taken to ensure current information required to be provided under the regulations is presented below.

Environment Canterbury may hold superseded or less reliable natural hazards information relating to the land that has not been included in this Land Information Memorandum. Please contact Environment Canterbury if you would like to enquire about this information.

(a) Coastal Hazards

- Regional Hazard Information: Shoreline Modelling

Future shoreline modelling has not been completed for this area, however given the distance of the property from the coast, it will not be susceptible to coastal erosion for at least the next 100 years.

(b) Earthquakes

- Liquefaction Assessment

Christchurch City Council holds indicative information about liquefaction hazards for Christchurch. Information, including an interactive web tool, can be found on the Council's website at ccc.govt.nz/liquefaction

Depending on the potential liquefaction hazard of an area that a property is in, the Council may require site-specific investigations before granting future subdivision or building consent for a property.

Title of report: Christchurch liquefaction vulnerability study

Purpose of report: To provide a district-wide liquefaction vulnerability assessment and to provide expected land performance for a range of potential future earthquake and groundwater scenarios. For use in land use planning, subdivision and building consenting

Scope of report: Christchurch urban area from the Waimakariri River mouth to Godley Head, and inland to the Selwyn District boundary

Where or how to access the report: <https://ccc.govt.nz/assets/Documents/Environment/Land/CCC-Liquefaction-ReportBody.pdf>

Date of report: July 2020

Name of person/entity that commissioned report: Christchurch City Council

Name of person/entity that prepared the report: Tonkin & Taylor Ltd

Title of Report: Geotechnical information on horizontal land movement due to the Canterbury earthquake sequence

Purpose of report: Background geotechnical information about shallow ground movements as a result of the earthquake sequence

Scope of Report: Christchurch City flat area, excluding Port Hills and Banks Peninsula

Where or how to access the report: <https://www.linz.govt.nz/resources/research/geotechnical-information-horizontal-land-movement-due-canterbury-earthquake-sequence>

Date of report: March 2015

Name of person/entity that commissioned report: Land Information New Zealand

The name of person/entity that prepared the report: Tonkin & Taylor Ltd

- Regional Liquefaction Information

Areas where there was evidence of liquefaction were mapped following the 2010/11 Canterbury earthquakes by Tonkin & Taylor for the Earthquake Commission (urban areas) and by a group of researchers for Environment Canterbury (rural, commercial and industrial areas). These are available in the Christchurch Liquefaction Viewer at <https://apps.canterburymaps.govt.nz/ChristchurchLiquefactionViewer/>.

Technical report information:

Title: Review of liquefaction hazard information in eastern Canterbury, including Christchurch City and parts of Selwyn, Waimakariri and Hurunui Districts.

Date: December 2012.

Author: H Brackley (compiler).

Commissioned by: Environment Canterbury.

Purpose of report: To collate liquefaction occurrence during the 2010/11 Canterbury earthquakes, and to determine liquefaction vulnerability. For use in land use planning, subdivision and building consenting.

Study area: Coastal Canterbury from the Waipara River mouth to the Rakaia River mouth, including Banks Peninsula, and inland to Rangiora, Aylesbury, Selwyn and Southbridge.

Accessible at: <https://www.ecan.govt.nz/document/download?uri=1702192>.

- Regional Hazard Information: Earthquake fault deformation

There are no known earthquake faults at the ground surface in Christchurch. However, it is possible there are some faults in Christchurch that are yet to be identified because they are not visible at the ground surface.

More information on fault deformation is available on Environment Canterbury's fault deformation map at <https://mapviewer.canterburymaps.govt.nz/?webmap=b5f859bd18ee4912828cb092b6f6c449>.

(c) Flooding

- Regional Hazard Information: Flood Photographs

Photographs showing the property during or following past flood events may be available. Flood photographs are available on Environment Canterbury's flood imagery register at <https://apps.canterburymaps.govt.nz/FIR>.

Property address:

17 Conie Glen Lane

LIM number: H11424006

Page 5

Christchurch City Council

53 Hereford Street, PO Box 73015

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- **Regional Hazard Information: Site Specific Flood Assessment**
A site specific flood hazard assessment may have been completed for the property by Environment Canterbury. The information contained in this assessment may now be outdated. Please contact Environment Canterbury if you would like to request a copy.
- **Regional Hazard Information: Flood Assessment Request**
You can request a new site-specific flood hazard assessment for the property from Environment Canterbury at: <https://www.ecan.govt.nz/do-it-online/property-information/flood-hazard-assessments>.

(d) Landslides

As at the date of this LIM, Council research found no information under this heading.

(e) Subsidence

- **Consultant Report Available**
Land Information New Zealand (LINZ) engaged Tonkin and Taylor to provide a Geotechnical Report on Ground Movements that occurred as a result of the Canterbury Earthquake Sequence. The report indicates this property may have been effected by a degree of earthquake induced subsidence. The report obtained by LINZ can be accessed on their website at <https://www.linz.govt.nz> and search Information for Canterbury Surveyors.

(f) Tsunamis

As at the date of this LIM, Council research found no information under this heading.

(g) Volcanic and Geothermal Hazards

As at the date of this LIM, Council research found no information under this heading.

(h) Wind

As at the date of this LIM, Council research found no information under this heading.

(i) Any Other Natural Hazards

As at the date of this LIM, Council research found no information under this heading.

(j) District Plan Natural Hazard Information

Please refer to *Section 8. Land use and conditions* of this report for District Plan related natural hazard information.

(k) Building Notices

Please refer to *Section 5. Consents, certificates, notices, orders, or requisitions affecting the land and buildings* of this report for Building Act notice information.

Other Special Features or Characteristics of the Land

- **Borelog/Engineer Report Image Available**
Borelog/Engineer Report Image Available

Related Information

- There is attached a sub division soil investigation report covering this property.

2. Private and public stormwater and sewerage drains

Section 44A(2)(b) LGOIMA. This is information about private and public stormwater and sewerage drains as shown in the Council's records.

 For stormwater and sewerage enquiries, please phone (03) 941 8999 or visit www.ccc.govt.nz.

Related Information

- Attached are all drainage plans that Council hold for details of private and public drainage. Not all plans provided are verified by Council, and therefore Council cannot be liable for inaccuracies. Site investigation will be required by owners to determine exact layouts.
- This property is shown to be served by Christchurch City Council Sewer and Stormwater.
- Council records show public stormwater pipes passing through this right of way.

3. Drinking Water Supply

Section 44A(2)(ba) and (bb) LGOIMA. This is information notified to the Council about whether the land is supplied with drinking water, whether the supplier is the owner of the land or a networked supplier, any conditions that are applicable, and any information the Council has about the supply.

Please note the council does not guarantee a particular water quality to its customers. If you require information on current water quality at this property please contact the Three Waters & Waste Unit.

☎ For water supply queries, please phone (03) 941 8999 or visit www.ccc.govt.nz.

Water supply

Christchurch City Council is the networked supplier of water to this property. This property is connected to the Christchurch City Council Water Supply. The conditions of supply are set out in the Christchurch City Council Water Supply and Wastewater Bylaw (2022), refer to www.ccc.govt.nz.

Related Information

- Council records show public water pipes passing through this right of way.

4. Rates

Section 44A(2)(c) LGOIMA. This is information on any rates owing in relation to the land.

☎ For rates enquiries, please phone (03) 941 8999 or visit www.ccc.govt.nz.

(a) Annual rates

Annual rates to 30/06/2027: \$6,098.08

	Instalment Amount	Date Due
Instalment 1	\$1,524.46	31/08/2026
Instalment 2	\$1,524.46	30/11/2026
Instalment 3	\$1,524.46	28/02/2027
Instalment 4	\$1,524.70	31/05/2027

Rates owing as at 23/09/2026: \$0.00

(b) Excess Water Rates

For excess water charge enquiries, please phone (03) 941 8999 or visit www.ccc.govt.nz/contact-us.

(c) Final water meter reading required at settlement?

Property settlements must ensure all water usage and outstanding debts are accurately accounted for.

To advise of a property settlement, please complete the request for settlement information form at www.ccc.govt.nz/services/rates-and-valuations/solicitors-request.

A settlement statement of accounts will be provided on the expected settlement date advised.

Property address:

17 Conie Glen Lane

LIM number: H11424006

Page 9

Christchurch City Council

53 Hereford Street, PO Box 73015
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www.ccc.govt.nz

5. Consents, certificates, notices, orders, or requisitions affecting the land and buildings

Section 44A(2)(d) LGOIMA. This is information concerning any consent, certificate, notice, order, or requisition, affecting the land or any building on the land, previously issued by the Council.

The information in this section may also cover building consent and/or code compliance information issued by building certifiers under the Building Act 1991 and building consent authorities that are not the Council under the Building Act 2004.

You can check the property file to identify whether any consent or certificate was issued by a building certifier under the Building Act 1991.

The building consents recorded in this LIM are only those that the Council has issued or been notified of by a stand-alone BCA. There may be others if a stand-alone BCA has issued consents without notifying the Council.

Section 44A(2)(da) LGOIMA. The information required to be provided to a territorial authority under section 362T(2) of the Building Act 2004. There is currently no information required to be provided by a building contractor to a territorial authority under section 362T(2) of the Building Act 2004. The Building (Residential Consumer Rights and Remedies) Regulations 2014 only prescribed the information that must be given to the clients of a building contractor.

Sections 71 to 74 of the Building Act 2004 require the Building Consent Authority to consider natural hazards when it receives a building consent application for the construction or major alteration of a building on land that is subject to, or likely to be subject to, a natural hazard. A building consent for this property may have been issued subject to a section 72 or 73 notice. This means at the time of building consent the Building Consent Authority was not satisfied that adequate provision would be made to protect the building and land from the natural hazard and was subsequently required to notify the Registrar-General of Land to record the natural hazard on the Record of Title. The Building Act 2004 defines natural hazards as erosion (including coastal erosion, bank erosion, and sheet erosion), falling debris (including soil, rock, snow, and ice), subsidence, inundation (including flooding, overland flow, storm surge, tidal effects, and ponding), and slippage.

If your property contains a notice under s73 of the Building Act 2004, this will be identified on the building consent decision below (decision under s72 of the Building Act 2004) and on the properties' Record of Title. The Record of Title may also record this as a s36 notice under the Building Act 1991, or a s641A notice under the Local Government Act 1974.

☎ For building enquiries, please phone (03) 941 8999, email EPADutyBCO@ccc.govt.nz or visit www.ccc.govt.nz.

(a) Consents

- BCN/2012/3268 Applied: 14/06/2012 Status: Completed
48 Davaar Crescent Yaldhurst
Accepted for processing 14/06/2012
PIM Granted 21/06/2012
PIM Issued 21/06/2012
Building consent granted 11/07/2012
Building consent issued 13/07/2012
Code Compliance Certificate Issued 23/07/2013
INSTALL SEWER/STORMWATER DRAINAGE AND WATER LATERALS IN PRIVATE LOTS- Historical Reference ABA10117104
- BCN/2014/1915 Applied: 12/03/2014 Status: Completed
17 Conie Glen Lane Yaldhurst
Accepted for processing 18/03/2014
PIM Granted 21/03/2014
PIM Issued 21/03/2014
Building consent granted 26/06/2014
Building consent issued 27/06/2014
Code Compliance Certificate Issued 10/03/2015
Dwelling with attached garage

Property address:

17 Conie Glen Lane

LIM number: H11424006

Page 10

Christchurch City Council

53 Hereford Street, PO Box 73015
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www.ccc.govt.nz

(b) Certificates

Note: Code Compliance Certificates were only issued by the Christchurch City Council since January 1993.

(c) Notices

(d) Orders

(e) Requisitions

Related Information

- Please find an electrical & gas fitters certificates attached relating to works that have been carried out on the current building/dwelling at this address.

Property address:

17 Conie Glen Lane

LIM number: H11424006

Page 11

Christchurch City Council

53 Hereford Street, PO Box 73015
Christchurch 8154, New Zealand
Tel 64 3 941 8999
Fax 64 3 941 8984

www.ccc.govt.nz

6. Certificates issued by a building certifier

Section 44A(2)(e) LGOIMA. This is information notified to the Council concerning any certificate issued by a building certifier pursuant to the Building Act 1991 or the Building Act 2004.

☎ For building enquiries, please phone (03) 941 8999, email EPADutyBCO@ccc.govt.nz or visit www.ccc.govt.nz.

Property address:

17 Conie Glen Lane

LIM number: H11424006

Page 12

Christchurch City Council

53 Hereford Street, PO Box 73015
Christchurch 8154, New Zealand
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Fax 64 3 941 8984

www.ccc.govt.nz

7. Weathertightness

Section 44A(2)(ea) LGOIMA. This is information notified to the Council under section 124 of the Weathertight Homes Resolution Services Act 2006.

 For weathertight homes enquiries, please phone (03) 941 8999 or visit www.ccc.govt.nz.

If there is no information below this means Council is unaware of any formal Weathertight Homes Resolution Services claim lodged against this property.

8. Land use and conditions

Section 44A(2)(f) LGOIMA. This is information relating to the use to which the land may be put and conditions attached to that use. The planning information provided below is not exhaustive and reference to the Christchurch District Plan and any notified proposed changes to that plan is recommended: <https://ccc.govt.nz/the-council/plans-strategies-policies-and-bylaws/plans/christchurch-district-plan/>.

There may be some provisions of the Christchurch City Plan or Banks Peninsula District Plan that affect this property that are still operative.

☎ For planning queries, please phone (03) 941 8999, email DutyPlanner@ccc.govt.nz or visit www.ccc.govt.nz.

- **Regional plan or bylaw**

There may be objectives, policies or rules in a regional plan or a regional bylaw that regulate land use and activities on this site. Please direct enquiries to Canterbury Regional Council (Environment Canterbury).

(a)(i) Christchurch City Plan & Banks Peninsula District Plan

(ii) Christchurch District Plan

- **Development Constraint Conditions**

Council records show there is a specific condition on the use of this site: Specific Foundation Design Required

- **Christchurch International Airport Protection Sfc.**

Property or part of property within the Christchurch International Airport Protection Surfaces overlay, which is operative.

- **District Plan Zone**

Property or part of property within the Residential Suburban Zone, which is operative.

(b) Resource consents

If there are any land use resource consents issued for this property the Council recommends that you check those resource consents on the property file. There may be conditions attached to those resource consents for the property that are still required to be complied with.

- RMA/1999/5003 - Subdivision Consent
Fee Simple SUBDIVISION (decision yet to be made by the Environment Court)..this application is not completed. -
Historical Reference RMA2693
Status: Processing complete
Applied 17/09/1999
- RMA/2006/1554 - Subdivision Consent
FEE SIMPLE SUBDIVISION See Var 92018115 & 92018772 224 Issued 11/8/2009 Stage 1 DP 416100 224 Stge 2
Issued 3/5/2011 DP434191,224 Stge 3,Dp451821 - Historical Reference RMA92005616
Status: Processing complete
Applied 30/06/2006
Granted 19/03/2007
Decision issued 19/03/2007

Property address:

17 Conie Glen Lane

LIM number: H11424006

Page 14

Christchurch City Council

53 Hereford Street, PO Box 73015
Christchurch 8154, New Zealand
Tel 64 3 941 8999
Fax 64 3 941 8984

www.ccc.govt.nz

(c) Resource Consents Natural Hazard Information

Property address:

17 Conie Glen Lane

LIM number: H11424006

Page 15

Christchurch City Council

53 Hereford Street, PO Box 73015
Christchurch 8154, New Zealand
Tel 64 3 941 8999
Fax 64 3 941 8984

www.ccc.govt.nz

9. Other land and building classifications

Section 44A(2)(g) LGOIMA. This is information notified to the Council by any statutory organisation having the power to classify land or buildings for any purpose.

 For land and building enquiries, please phone (03) 941 8999 or visit www.ccc.govt.nz.

Please refer to Section 1 for details

Property address:

17 Conie Glen Lane

LIM number: H11424006

Page 16

Christchurch City Council

53 Hereford Street, PO Box 73015
Christchurch 8154, New Zealand
Tel 64 3 941 8999
Fax 64 3 941 8984

www.ccc.govt.nz

10. Network utility information

Section 44A(2)(h) LGOIMA. This is information notified to the Council by any network utility operator pursuant to the Building Act 1991 or the Building Act 2004.

 For network enquiries, please phone (03) 941 8999 or visit www.ccc.govt.nz.

- **None recorded for this property**

11. Other information

Section 44A(3) LGOIMA. This is information concerning the land that the Council has the discretion to include if it considers it to be relevant.

☎ For any enquiries, please phone (03) 941 8999 or visit www.ccc.govt.nz.

(a) Kerbside waste collection

- Your organics are collected Weekly on Thursday. Please leave your organics at the Kerbside by 6:00 a.m.
- Your recycling is collected Fortnightly on the Week 2 collection cycle on a Thursday. Please leave your recycling at the Kerbside by 6:00 a.m. Your nearest recycling depot is the Parkhouse Road EcoDrop.
- Your refuse is collected Fortnightly on the Week 2 collection cycle on a Thursday. Please leave your rubbish at the Kerbside by 6:00 a.m. Your nearest rubbish depot is the Parkhouse Road EcoDrop.

(b) Other

• Floor Levels Information

Council holds a variety of information on requirements for building or property development. This includes:

- required minimum finished floor levels, which need to be set to meet the surface water requirements in clause E1.3.2 of the Building Code (where this applies); and
- the requirements of the Christchurch District Plan (where a property is in the Flood Management Area).

Where this information has been processed for your property, you can view it online at <https://ccc.govt.nz/flooding-and-floor-levels>.

Otherwise, if you are building or developing on this land, you can request a calculation on required finished floor levels for your proposed building by emailing us at floorlevels@ccc.govt.nz.

• Guest Accommodation

Guest accommodation (including whole unit listings on Airbnb; BookaBach; etc.) generally requires a resource consent in this zone when the owner is not residing on the site. For more information, please refer to: <https://ccc.govt.nz/providing-guest-accommodation/>.

• Community Board

Property located in Halswell-Hornby-Riccarton Community Board.

• Tsunami Evacuation Zone

This property is not in a tsunami evacuation zone. It is not necessary to evacuate in a long or strong earthquake or during an official Civil Defence tsunami warning. Residents may wish to offer to open their home to family or friends who need to evacuate from a tsunami zone, and should plan with potential guests to do so in advance. More information can be found at <https://ccc.govt.nz/services/civil-defence/hazards/tsunami-evacuation-zones-and-routes/>

• Electoral Ward

Property located in Hornby Electoral Ward

• Listed Land Use Register

Hazardous activities and industries involve the use, storage or disposal of hazardous substances. These substances can sometimes contaminate the soil. Environment Canterbury identifies land that is used or has been used for hazardous activities and industries. This information is held on a publically available database called the Listed Land Use Register (LLUR). The Christchurch City Council may not hold information that is held on the LLUR. Therefore, it is recommended that you check Environment Canterbury's online database at www.llur.ecan.govt.nz

Property address:

17 Conie Glen Lane

LIM number: H11424006

Page 18

Christchurch City Council

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Christchurch 8154, New Zealand
Tel 64 3 941 8999
Fax 64 3 941 8984

www.ccc.govt.nz

- **Spatial Query Report**

A copy of the spatial query report is attached at the end of this LIM. The spatial query report lists land use resource consents that have been granted within 100 metres of this property.

12 April 2013

Our Ref: 297660

Enterprise Homes Ltd
PO Box 11059
Sockburn
Christchurch 8443

Attention: P Flewellen

Dear Sir

**Re: Kintyre Estates Subdivision, Stage Four, Yauldhurst, Christchurch -
Foundation Report - Lots 30-47, 61 & 70-102**

1. Introduction

We are writing to report on the standard of filling carried out during subdivision construction and to comment on the underlying ground conditions and general foundation requirements for future residential buildings.

2. Earthworks and Ground Preparation

During subdivision construction earthworks were carried out to remove areas of deeper topsoil and to raise section levels to the required height. Some reshaping and surface filling with topsoil occurred over all lots. Where filling occurred over 300mm in depth, sandy silt was generally used and Nuclear Densometer and Scala Penetrometer testing were carried out to confirm the adequacy of compaction.

The fill material was placed in accordance with the terms of NZS 4431:1989 "Code of Practice for Earthfill for Residential Development" and a fill certificate in terms of NZS 4431 has been issued for the fill material on these sites. Please refer to our Inspecting Engineers Report - Filling Operations Kintyre Estates Subdivision, Stage Four, dated 12 April 2013.

3. Site Investigation

Our investigation of the subdivision was carried out in February 2013 at the completion of the filling earthworks. Our investigation generally consisted of one machine auger hole on each section to between 1.5m to 3.25m depth, and two Hydraulic Penetrometer tests to between 0.3m to 2.5m below ground level depending on the depth at which gravel was encountered and the probe met refusal depth. Additional auger holes and Scala penetrometer tests were carried out on some lots.

The Hydraulic Penetrometer testing was carried out by Canterbury Geotest using a Hydraulic Scala-Mini CPT rig. The data is recorded by measuring the force applied by the hydraulic rams to the probe and then an inferred penetration resistance in blows per

75mm depth is calculated and plotted. The Hydraulic Scala-Mini CPT rig was calibrated against a Scala penetrometer by field testing.

These results indicate both the soil strata and the soil bearing capacity. Please refer to the attached Site Investigation Records.

The auger holes generally revealed 150mm to 500mm of silty topsoil fill, but was typically of between 300mm to 400mm depth, overlying either various compact layers of fill comprising of silt, sand, sandy silt, silty sand or sandy gravel to between 0.35m to 1.4m depth or various insitu layers of sand, silt, sandy silt or silty sand. Natural silty and sandy gravel was generally encountered on most lots at between 0.4m to 2.6m below ground level with some lots encountering the gravel immediately below the topsoil layer.

The Hydraulic Penetrometer results below the topsoil layer generally exceeded the minimum penetration resistance requirements to be termed acceptable as "Good Ground" in accordance with the compliance document for the New Zealand Building Code, Clause B1 Structure.

Based on the test results and observations made during the filling operation and the results of our subsequent site investigation we are satisfied that the fill material has generally been compacted to a standard satisfying the requirements of NZS 4431:1989.

4. Land Classification

On 28 October 2011, new residential foundation design categories were released by CERA for building and repairing homes in the "Green" Zone of the Canterbury earthquake region. The technical land categories are based on ground conditions, including the susceptibility to liquefaction and the extent of potential land and building damage caused by significant earthquakes.

Stages 1 and 2 of the Kintyre Estates subdivision and the land surrounding the subdivision have been classified by CERA as Technical Category 1 – Grey, which is part of a large area of TC1 zoned land on the western side of Christchurch City generally west of Waimairi Road. TC1 zoned land is where *"future land damage from liquefaction is unlikely and ground settlements are expected to be within normally accepted tolerances"*³.

The land for Stage 4 has been classified by CERA¹ as Green Zone, N/A – Urban Non-residential, and has not been classified with a technical land category.

We have obtained bore log data from Environment Canterbury for well M35/5721, approximately 300m to 400m west of Stage 4, which recorded topsoil from the surface to 0.2m depth overlying clay to 2.5m depth. Below this were various layers of sandy gravels, claybound gravels and water-bearing gravels to 35.0m depth. Groundwater was recorded 13.9m below ground level at the time of drilling.

¹ <http://cera.govt.nz/my-property>

Environment Canterbury's recent technical report² review's the liquefaction hazard information in eastern Canterbury and concludes the site is located in an area where *"future design-level earthquakes are unlikely to cause land damage from liquefaction"* and *"would likely qualify as TC1 were it assessed using the TC methodology."*

Due to the depth of the water table in the granular materials and a review of Environment Canterbury's recent technical report, we consider that the proposed building sites in Stage 4 will perform as well as the surrounding TC1 zoned land in a future earthquake event.

Associated with the technical land categories the Ministry of Building, Innovation and Employment (MBIE) released a Guidance Document³ which outlines repair and reconstruction options for various land categories across Canterbury. This updated guidance document indicates that for TC1 zoned land, foundations for timber framed buildings can be constructed in accordance with NZS 3604:2011, "Timber Framed Buildings" and as modified by its referencing in Building Code Acceptable Solution B1/AS1 requiring ductile reinforcing in foundations and floor slabs.

5. Foundation Requirements for Buildings Complying with NZS 3604:2011

Lots 40-41, 75-83 & 92

These lots were wholly filled with compacted sand or silt material containing stones during subdivision construction to between 0.2m to 0.8m depth. Foundations should comply with the provisions of N.Z.S. 3604:2011 and with additional requirements as follows:

- a) All foundations should be excavated to the underside of the topsoil layer or 300mm depth, whichever is the deeper.
- b) The perimeter foundation trench is to be excavated 300mm wide and the foundation boxed at least 240mm wide at the top and be reinforced with 2 x D16 rods, one top and one bottom spaced at least 300mm apart with D10 slab ties at 600mm centres extending at least 600mm into the floor slab.
- c) The turf layer is to be removed from the area beneath the floor slab onto firm soil.
- d) The floor slab is to be reinforced with a minimum of 2.27kg/m² welded reinforcing mesh sheets and the reinforcing is to be Ductility Class E in accordance with NZS 4671. The 100mm thickness of the floor slab and the mesh reinforcing should be continuous through any step or recesses in the floor slab, such as a shower recess. If it is impractical to continue the mesh through the step or recess, then use H10

² Environment Canterbury - Technical Report - Review of liquefaction hazard information in eastern Canterbury, including Christchurch City and parts of Selwyn, Waimakariri and Hurunui Districts, Report No. R12/83 dated December 2012.

³ Ministry for Business, Innovation & Employment "Guidance: Repairing and Rebuilding houses affected by the Canterbury earthquakes "Version 3, December 2012 (released 31 January 2013)

bars at 300mm centres each way and lapped at least 600mm with the floor slab mesh. A D12 trim bar should also be provided around the edge of the recess and extend at least 600mm past the edge of the recess.

- e) Internal floor slab thickenings or pads supporting concentrations of weight from roof trusses should be supported on or be replaced with mass concrete filled pads of the same area excavated through the topsoil layer and onto firm bearing material.
- f) Any foundation constructed within 7-8m from the northern boundary of Lots 40 & 41 (i.e. encroaching onto the noise control bund) shall be subject to specific site investigation and design.
- g) We will need to inspect the excavated foundation trenches on these lots to verify bearing conditions and to confirm the depth of trench excavations. Please arrange for the builder to contact us at least 48 hours prior to excavation so that we can arrange the inspection.

Lots 42-45, 61, 84-88, 91, 93 & 102

Beneath the topsoil layer these lots contain areas of both natural ground and engineered fill material. Due to the lower bearing conditions in the natural ground we recommend foundation upgrading is provided to limit the potential for minor differential settlement between foundation supported on fill material and on natural ground. Foundations should comply with the provisions of N.Z.S. 3604:2011 and with additional requirements as follows.

- a) All foundations should extend through the topsoil layer and onto compact fill material or natural silt or sand material at least 300mm to 400mm below ground level.
- b) The perimeter foundation trench is to be excavated 300mm wide and the foundation boxed at least 240mm wide at the top and be reinforced with 2 x D16 rods, one top and one bottom spaced at least 300mm apart with D10 slab ties at 600mm centres extending at least 600mm into the floor slab.
- c) The turf layer is to be removed from the area beneath the floor slab onto firm soil.
- d) The floor slab is to be reinforced with a minimum of 2.27kg/m² welded reinforcing mesh sheets and the reinforcing is to be Ductility Class E in accordance with NZS 4671. The 100mm thickness of the floor slab and the mesh reinforcing should be continuous through any step or recesses in the floor slab, such as a shower recess. If it is impractical to continue the mesh through the step or recess, then use H10 bars at 300mm centres each way and lapped at least 600mm with the floor slab mesh. A D12 trim bar should also be provided around the edge of the recess and extend at least 600mm past the edge of the recess.
- e) Internal floor slab thickenings or pads supporting concentrations of weight from roof trusses should be supported on or be replaced with mass concrete filled pads

of the same area excavated through the topsoil layer and onto firm bearing material.

- f) Any foundation constructed within 7-8m from the northern boundary of Lots 42-45 (i.e. encroaching onto the noise control bund) shall be subject to specific site investigation and design.
- g) We will need to inspect the excavated foundation trenches on these lots to verify bearing conditions, confirm the depth of trench excavations and to identify the interface between filled ground and natural ground, in relation to the building footprint. Please arrange for the builder to contact us at least 48 hours prior to excavation so that we can arrange the inspection.

Lots 30-39, 46-47, 70-74, 89-90 & 94-101

Beneath the topsoil layer these lots consist of natural sand, silt or gravel material. Due to the lower bearing conditions in some areas on these lots we recommend foundation upgrading is provided to limit the potential for differential settlement. Foundations should comply with the provisions of N.Z.S. 3604:2011 with additional requirements as follows.

- a) All foundations should extend through the topsoil layer and onto firm sand, silt or gravel material at least 300mm to 500mm below ground level.
- b) The perimeter foundation trench is to be excavated 300mm wide and the foundation boxed at least 240mm wide at the top and be reinforced with 2 x D16 rods, one top and one bottom spaced at least 300mm apart with D10 slab ties at 600mm centres extending at least 600mm into the floor slab.
- c) The turf layer is to be removed from the area beneath the floor slab onto firm soil.
- d) The floor slab is to be reinforced with a minimum of 2.27kg/m² welded reinforcing mesh sheets and the reinforcing is to be Ductility Class E in accordance with NZS 4671. The 100mm thickness of the floor slab and the mesh reinforcing should be continuous through any step or recesses in the floor slab, such as a shower recess. If it is impractical to continue the mesh through the step or recess, then use H10 bars at 300mm centres each way and lapped at least 600mm with the floor slab mesh. A D12 trim bar should also be provided around the edge of the recess and extend at least 600mm past the edge of the recess.
- e) Internal floor slab thickenings or pads supporting concentrations of weight from roof trusses should be supported on or be replaced with mass concrete filled pads of the same area excavated through the topsoil layer and onto firm bearing material.
- f) Any foundation constructed within 7-8m from the northern boundary of Lots 46 & 47 (i.e. encroaching onto the noise control bund) shall be subject to specific site investigation and design.
- g) We will need to inspect the excavated foundation trenches on these lots to verify bearing conditions and to confirm the depth of trench excavations. Please arrange

for the builder to contact us at least 48 hours prior to excavation so that we can arrange the inspection.

Foundation Requirements for Buildings Outside of NZS 3604:2011

Buildings outside the scope of NZS 3604:2011 will require specific foundation design.

Yours faithfully
ELIOT SINCLAIR & PARTNERS LTD



Marton Sinclair
mds:rgo

Encl:

- Eliot Sinclair Site Investigation Records, "Kintyre Estates - Stage 4" 62p, dated 21 February 2013.
- Eliot Sinclair Drawing Set 297660 T6, Sheet 1 of 1, "Scala Penetrometer and Borehole Sites with Fill Contours" dated 08/03/2012

Our Ref: 297660

12 April 2013

PRODUCER STATEMENT - DESIGN

Clause B1 Structure

Christchurch City Council
Environmental Policy & Approvals Unit
PO Box 73014
Christchurch 8154

FOUNDATIONS FOR PROPOSED HOUSES **KINTYRE ESTATE SUBDIVISIONS** **STAGE 4 - LOTS 30-47, 61 & 70-102**

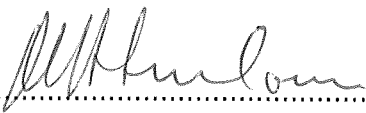
I, **Marton Sinclair**, an Engineer, Member of IPENZ, and a **Director** with **Eliot Sinclair & Partners Ltd**, hereby certify that:

- ☐ This Consulting Practice has been engaged by **Enterprise Homes Ltd** to carry out a soils investigation and design and execute the appropriate engineering calculations for **the foundations of the proposed houses**.
- ☐ The foundation design is detailed in the attached report to **Enterprise Homes Ltd** dated **12 April 2013**.
- ☐ I have exercised reasonable control over the design processes for the works defined above which have been designed in accordance with sound and widely accepted engineering principles to support the loads specified in **AS/NZS 1170** and to meet the requirements of Compliance Document **B1/VM4** in accordance with the **New Zealand Building Code**.
- ☐ As an independent design professional covered by a current policy of Professional Indemnity Insurance to a minimum value of \$200,000.00, I believe on reasonable grounds that the stresses in the various materials of construction of the foundations are such as to ensure the safety and stability of the foundations if the works are constructed in accordance with the above report.
- ☐ **Inspections to be carried out by us to confirm any design assumptions and that critical elements of construction meet the intent of our engineering design are: - Foundation Trench inspection for each Lot.**
- ☐ This Producer Statement is provided on the basis that it is used in support of a Building Consent that is issued by **12 April 2015**.

The name and qualifications of the principal structural designer are -

Marton Sinclair

BE BSc FNZIS MIPENZ CPEng IntPE

Signature.....

c.c. Enterprise Homes Ltd
PO Box 11059
Sockburn
Christchurch 8443



12 April 2013

Our Ref: 297660

Enterprise Homes Ltd
PO Box 11059
Sockburn
Christchurch 8443

Attention: Peter Flewellen

Dear Sir

Re: Inspecting Engineers Report - Filling Operation at Lots 40-47, 61, 75-88, 91-93 & 102 Kintyre Estates Subdivision, Stage Four, Yaldhurst, Christchurch

1. Introduction

We are writing to report on the standard of filling achieved on residential lots Lots 40-47, 61, 75-88, 91-93 & 102 of Stage 4 of the Kintyre Estates Subdivision, Yaldhurst, Christchurch.

2. Earthworks and Ground Preparation

The attached plans which detail the total depth of controlled engineered fill (excluding topsoil), finished ground levels after the placement of engineered fill and finished ground levels after the placement of topsoil were prepared using survey data obtained by Eliot Sinclair & Partners Ltd. The drawings also indicate the extent of excavations made to remove deeper areas of topsoil across the site, before raising ground levels to form the required falls for drainage.

Excavations were made down onto clean insitu subsoil materials, generally sandy silt, in order to remove topsoil before ground levels were raised using controlled compaction of fill materials to provide adequate falls for drainage. The finished ground was surfaced with around 150mm to 500mm of topsoil before sowing with grass.

Inspections of the exposed subgrade were undertaken by a technical member of our staff before the placement of engineered fill to ensure all the topsoil, and any unsuitable subsoil materials were removed. Periodic inspections were also undertaken during filling and compaction works to monitor the progress of the filling operation.

Engineered fill material generally comprised of sandy silt, which was excavated from areas of higher ground at the site.

Fill materials were placed in layers not exceeding 250mm thickness, and compacted using a large drum-type vibrating roller. The depth of fill varies up to 1.2 metres depth below finished ground level (excluding up to 500mm of topsoil).

Lots 40 to 47 contain a noise control bund along the northern boundaries, which was constructed as part of Masham Park Stage 1 (now known as Kintyre Estates Stage 1) in 2008. The bund was constructed over an existing swale which was filled with controlled engineered fill, with a further 1.4m of uncontrolled fill used to create the shape of the bund.

Engineered fill material for the swale generally comprised of sandy silt with gravel which was excavated from areas of higher ground from the Stage 1 area.

3. Compaction Test Results

The maximum dry density for the engineered fill to be used on Lots 40-46, 61, 75-88, 91-93 & 102, was determined using the New Zealand Standard Compaction Test (NZS 4402:1986 Test 4.1.1) and found to be 1.71 t/m³ for on-site sandy silt. Refer to Fulton Hogan Test Reports; QA Testing – Masham Park – Stage 4, Reports MDD:CAN12S-09361 (tested 28/06/12).

Testing of the compacted fill material during construction was carried out by Fulton Hogan Canterbury Laboratory personnel using their calibrated nuclear density gauge in order to verify the dry densities of the various layers of compacted fill.

Nuclear Densometer testing of the compacted fill materials indicates that 99-117% of the maximum dry density was generally achieved within the compacted fill materials. The results achieved are greater than the 95% threshold specified by NZS4431:1989.

The maximum dry density for the engineered fill to be used to in the swale on lots 40-47 (carried out as part of Stage 1 in 2008), was determined using the New Zealand Standard Compaction Test (NZS 4402:1986) and found to be 2.00 t/m³ for on-site sandy silt with gravel. Refer to Fulton Hogan Test Reports; QA Testing – Masham Park, Reports MDD:CAN08S-2060 (tested 16/07/08).

Nuclear Densometer testing of the compacted fill materials indicates that 95-106% of the maximum dry density was generally achieved within the compacted fill materials. The results achieved are greater than the 95% threshold specified by NZS4431:1989.

Test results indicating compacted fill materials with maximum dry densities exceeding 100% are most likely due to a higher percentage of gravels within the fill material, when compared to the sample for which the standard compaction test was performed.

Hydraulic Penetrometer testing results below the topsoil layer generally exceeded the penetration resistance requirements to be termed acceptable as "Good Ground" in accordance with the compliance document for New Zealand Building Code, Clause B1 Structure.

A foundation report (reference 297660, dated 12 April 2013) has been prepared for all lots in Stage 4 of Kintyre Estates.

4. Compliance with NZS 4431:1989

Based on the test results and observations made during the filling operation, we are satisfied that the fill materials, as shown on the attached drawing, have generally been compacted to a standard satisfying the requirements of NZS 4431:1989.

Where buildings bridge natural and filled ground, specific foundation investigation, design, and construction observation should be undertaken once the location and nature of the proposed building is known, to avoid the potential for differential settlement between the natural and compacted fill materials.

Any foundation constructed within 7-8m from the northern boundary of Lots 40-47 (i.e. encroaching onto the noise control bund) shall be subject to specific site investigation and design.

Please note that the compliance of the filling operations with N.Z.S. 4431:1989 does not remove the necessity for normal investigation, design, and construction inspections for foundations as would be made in natural ground.

Yours faithfully
ELIOT SINCLAIR & PARTNERS LTD


Marton Sinclair
mds:rgo

Encl:

- Eliot Sinclair Drawing Set 297660 S2, Sheets 1 to 3, "Extent Depth and Finished Level of Engineered Fill" dated 25/02/2013
- Fulton Hogan Standard Compaction Test Report: CAN08S-2060 dated 16/07/2008 and CAN12S-09361 dated 28/06/2012.
- Fulton Hogan Nuclear Density Test Records, 30p

To: Christchurch City Council
Environmental Policy & Approvals Unit
PO Box 237
Christchurch 8140

STATEMENT OF SUITABILITY OF EARTHFILL FOR RESIDENTIAL DEVELOPMENT

Location: Kintyre Estates Subdivision (Stage Four), Yalhurst, Christchurch

Legal Description: Lots 40-47, 61, 75-88, 91-93 & 102 DP 460402

CFR 530551

Owner: Enterprise Homes Ltd

The earth fills of Lots 40-47, 61, 75-88, 91-93 & 102 shown on the attached drawings, No. 297660 S2 Pages 1 to 3, dated 25/02/2013, prepared by Eliot Sinclair & Partners Ltd. have been placed in compliance with the terms of NZS 4431:1989 'Code of Practice for Earthfill for Residential Development'.

While work was in progress I retained as my Inspecting Engineer the Engineer named below, who is chartered in terms of the Chartered Professional Engineers Act 2002:

Engineer: Mr Marton Sinclair
Company: Eliot Sinclair & Partners Ltd.
Address: 20 Troup Drive, Tower Junction, P.O Box 9339, Christchurch 8149.

During the work, the Inspecting Engineer and their staff made periodic visits of inspection to the site as detailed in his report Ref. 297660, dated 12 April 2013, which is attached. Details of the soil testing carried out to check the quality of the fill by the Inspecting Engineer and their testing agency are also included in this report.

The attached drawings indicate that residential Lots 40-47, 61, 75-88, 91-93 & 102 are affected by filling. The standard of fill achieved to these lots is covered in the attached report.

In the opinion of the Inspecting Engineer the following special limitation should be observed:

- *All foundations shall be excavated to the underside of the topsoil layer or 300mm depth whichever is the deeper.*
- *Buildings and foundations complying with the provisions of NZS 3604:2011 'Timber Framed Buildings', and located wholly over controlled fill material, will require no special requirements for foundation design.*
- *Foundations which bridge filled and natural ground shall be subject to specific engineering investigation, design, and construction observation.*
- *Any foundation constructed within 7-8m of the northern boundary of Lots 40-47 shall be subject to site investigation and design. Outside of this area, buildings and foundations complying with the provisions of NZS 3604:2011 'Timber Framed Buildings,' and located wholly over controlled fill material will require no special requirements for foundation design.*
- *An engineer experienced with foundation design and construction should inspect all excavated foundation trenches before placement of reinforcing steel, etc. in order to verify that the foundations extend down onto clean insitu subsoil materials or controlled fill to at least the depths specified in our Foundation Report – Kintyre Estates Stage 4, ref 297660, dated 12 April 2013.*

This certification, that the earth fills have been placed in compliance with the terms of NZS 4431:1989 does not remove the necessity for the normal investigation, design and construction inspections for foundations as would be made in natural ground.

.....*[Signature]*..... (signature)

.....MANAGER..... (position)

.....12/4/13..... (date)

on behalf of: Enterprise Homes Ltd
PO box 11059
Christchurch
(name of owner/developer)

SITE INVESTIGATION RECORD

Lot **95**

Client **Enterprise Homes Ltd**

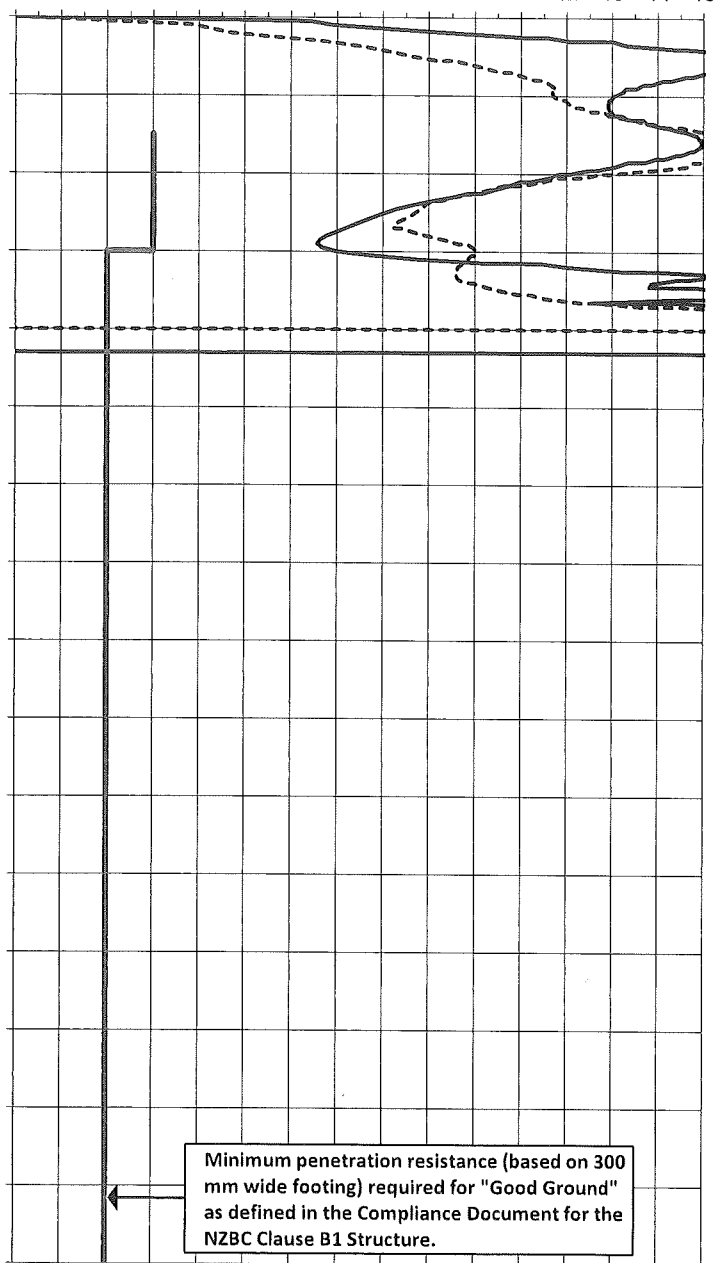
Site **Kintyre Estates - Stage 4**

Project No.

SCALA PENETROMETER TESTS

Number of Blows per 75mm

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



Minimum penetration resistance (based on 300 mm wide footing) required for "Good Ground" as defined in the Compliance Document for the NZBC Clause B1 Structure.

— P1 - - - - - P2

DEPTH
[m]

BORE LOGS

Hand
Auger



Machine
Auger



Test
Pit



GL	Dark brown silty TOPSOIL, heavy rootlets	(Borehole @ A)
0.2	Dark brown silty TOPSOIL	
0.4	Light brown sandy SILT	
0.6	Light brown silty GRAVEL	
0.8		
1.0		
1.2		
1.4	Brown sandy GRAVEL, moist	
1.6		
1.8		
2.0	Brown sandy GRAVEL, wet	
2.2		
2.4	Brown sandy GRAVEL, cobbles, wet	
2.6	STOP - Compact Gravel	
2.8		
3.0		
3.2		

COMMENTS

SITE PLAN (Not to Scale)

North

See attached site plan

Property of interest address

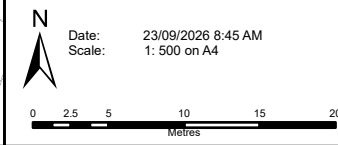
- WwPrivateDrainFieldNo
- WwPump
- WwAccess
- Type
- Flush Manhole
- Flushing Point
- Trap
- Inspection Point
- Sealed Manhole
- Standard Manhole
- Vacuum Storage Manhole
- Vented Manhole
- WwValve
- WwVent
- WwAirGapSeparator
- WwLocalPressureBoundary
- WwLocalPressureControlPa
- WwLocalPressureTankSystem
- WwOutlet
- WwPipeRestrict
- WwFitting
- Type
- Change
- End Cap
- Junction
- WwEye
- Type
- Eye
- Eye (Vertical)
- WwLateralFitting
- Type
- Raised Inspection Point
- Lateral Fitting
- WwVacuumBreather
- WwVacuumChamber
- Type
- Collector
- Interceptor Tank
- Valve
- Riser
- WwVacuumBreatherPip
- WwPipeFlowDirection
- WwPipeBlockageCount
- NumberOfBlockages
- 2 or less Blockages
- 3 or more Blockages
- NominalDiameter
- Diameter is 200mm or smaller
- Diameter is greater than 200mm, up to 450mm
- Diameter is greater than 450mm
- Other (non-circular pipes)
- WwPipe (non-gravity)
- NominalDiameter
- Diameter is 200mm or smaller
- Diameter is greater than 200mm, up to 450mm
- Diameter is greater than 450mm
- Other (non-circular pipes)
- WwLateral
- WwPipeProtection
- WwFlushTank
- WwStructure
- WwStation
- WwPumpStationCatchment
- WwPipe (non CCC)
- In Service
- Abandoned
- Removed
- Out of Service
- In Service
- Abandoned
- Removed
- Proposed
- SwPrivateDrainFieldNot
- SwPump
- SwFacilityDischargePoint
- SwAccess
- SwValve
- Type
- Check
- Duck Bill
- Flap
- Gate
- Inline Check
- Sluice
- Valve
- SwHeadwall
- Type
- Inlet
- Outlet
- SwGrill
- Type
- Inlet
- Outlet
- SwInlet
- Type
- Single Sump
- Double Sump
- Triple Sump
- Inlet
- Pipe End
- Gross Debris Trap
- Silt Trap
- SwOutlet
- SwPipeRestrict
- SwFitting
- Type
- Change
- Bend
- Junction
- End Cap
- SwEye
- SwPipeFlowDirection
- SwLateralFitting
- Type
- Single Sump
- Double Sump
- Inspection Point
- Manhole
- Lateral Fitting
- Soak Pit
- SwPipe
- NominalDiameter
- Diameter is 450mm or smaller
- Diameter is greater than 450mm, up to 700mm
- Diameter is greater than 700mm
- Other (non-circular pipes)
- SwLateral
- SwPipeProtection
- SwFacility
- SwStructure
- SwStation
- SwRainGarden
- WwPipe (non CCC)
- In Service
- Abandoned
- Removed
- Out of Service
- Proposed
- BCConnector
- BCInletCap
- BCValve
- BGPipe
- Proposed
- SwLateral (non CCC)
- In Service
- Abandoned
- Removed
- Out of Service
- Proposed
- BCConnector
- BCInletCap
- BCValve
- BGPipe
- Proposed
- SwLateral (non CCC)
- In Service
- Abandoned
- Removed
- Out of Service
- Proposed
- BCConnector
- BCInletCap
- BCValve
- BGPipe
- Proposed



ph: 03 941 8999 web: ccc.govt.nz

Accuracy not guaranteed. Onsite verification required.
Display of data scale dependant.
Client selected legend.

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Christchurch
City Council



DRAINAGE PICKUP

Address: Lot 95 Connie Glen Ln

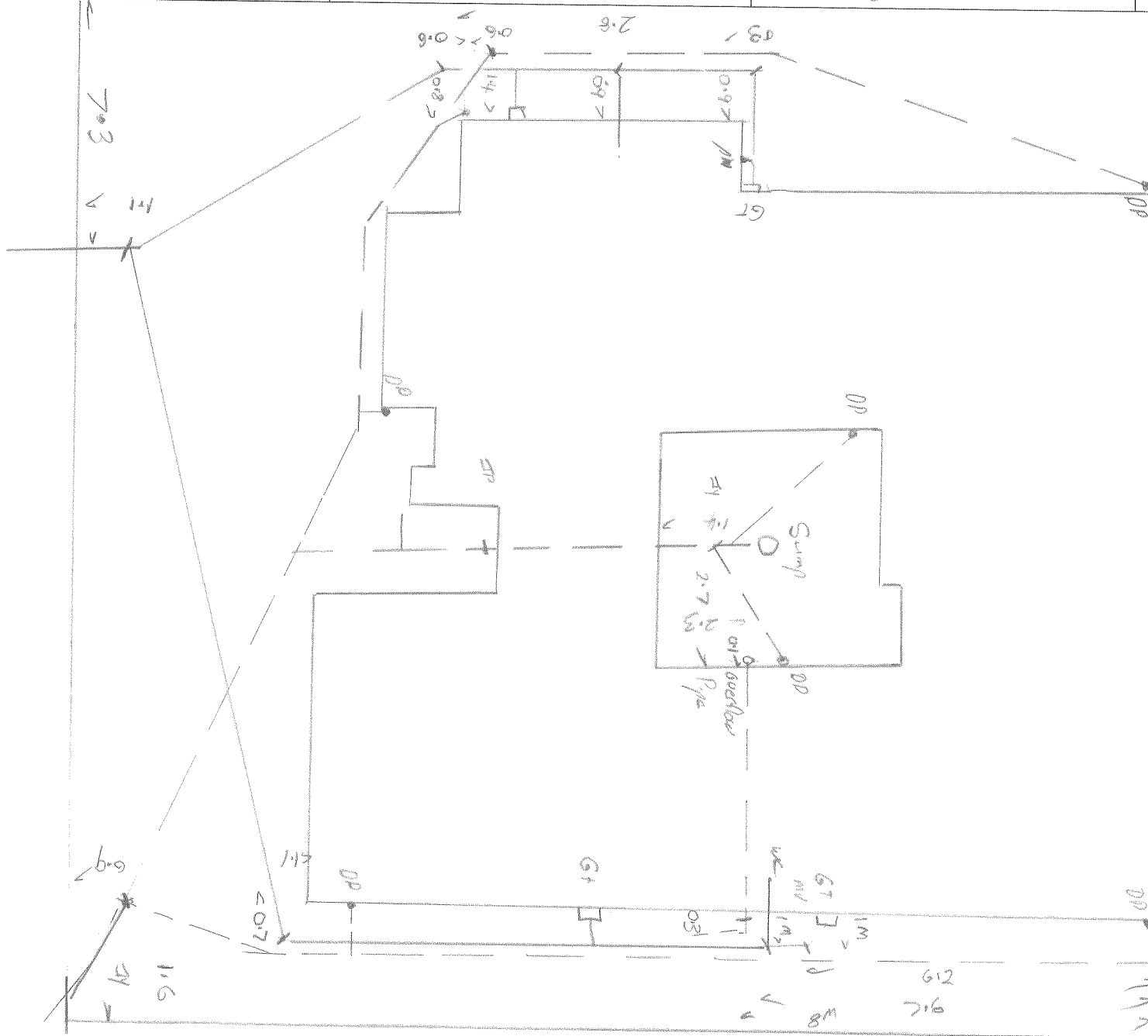
Drainlayer: L FLOOD 06307

Date: 25 11 2014

Inspector: Doug Barker

CONSENT NUMBER

20141915



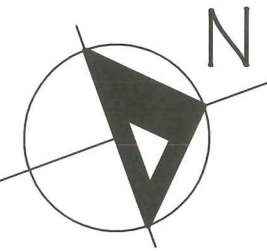
SITE AREA : 650m²

STORMWATER MINIMUM PIPE
GRADIENT= 1:100
FOULWATER MIN. DISCHARGE
PIPE GRADIENT DEPENDANT
ON PIPE DIAMETER :
40mm PIPE MIN. GRADIENT 1:40
50mm PIPE MIN. GRADIENT 1:40.
100mm PIPE MIN. GRADIENT 1:60

PIPE TRENCHES WHICH ARE OPEN FOR NO LONGER THAN 48 HOURS SHALL BE NO DEEPER FROM THE UNDERSIDE OF THE FOUNDATION THAN THEIR DISTANCE HORIZONTALLY FROM THE UNDERSIDE OF THE BUILDINGS FOUNDATION SEE G13 FIG 8. ALL DRAINAGE PIPES ARE TO BE FULL HEIGHT FLOOD WATER TESTED

ALL SEDIMENT IS TO BE RETAINED ON SITE BY MEANS OF EITHER ONE OR COMBINATION OF THE FOLLOWING : SEDIMENT FENCES, VEGETATION BUFFER ZONES, DECANTING EARTH BUNDS, OR SUMP INLET PROTECTION

SQUARE 100x50
COLOUR STEEL
DOWN PIPES
WHERE DP
INDICATED: ○



**ENTERPRISE
HOMES LTD**
55 EPSOM RD. P O BOX 11050 DU 2495190

55 EPSOM RD P O BOX 11050 PH 3185180

NEW RESIDENCE
LOT 95 CONE GLEN LANE

AMENDED
30.5.14

PLAN NO OF TEN	10
-------------------	----

DRAWN KERRY

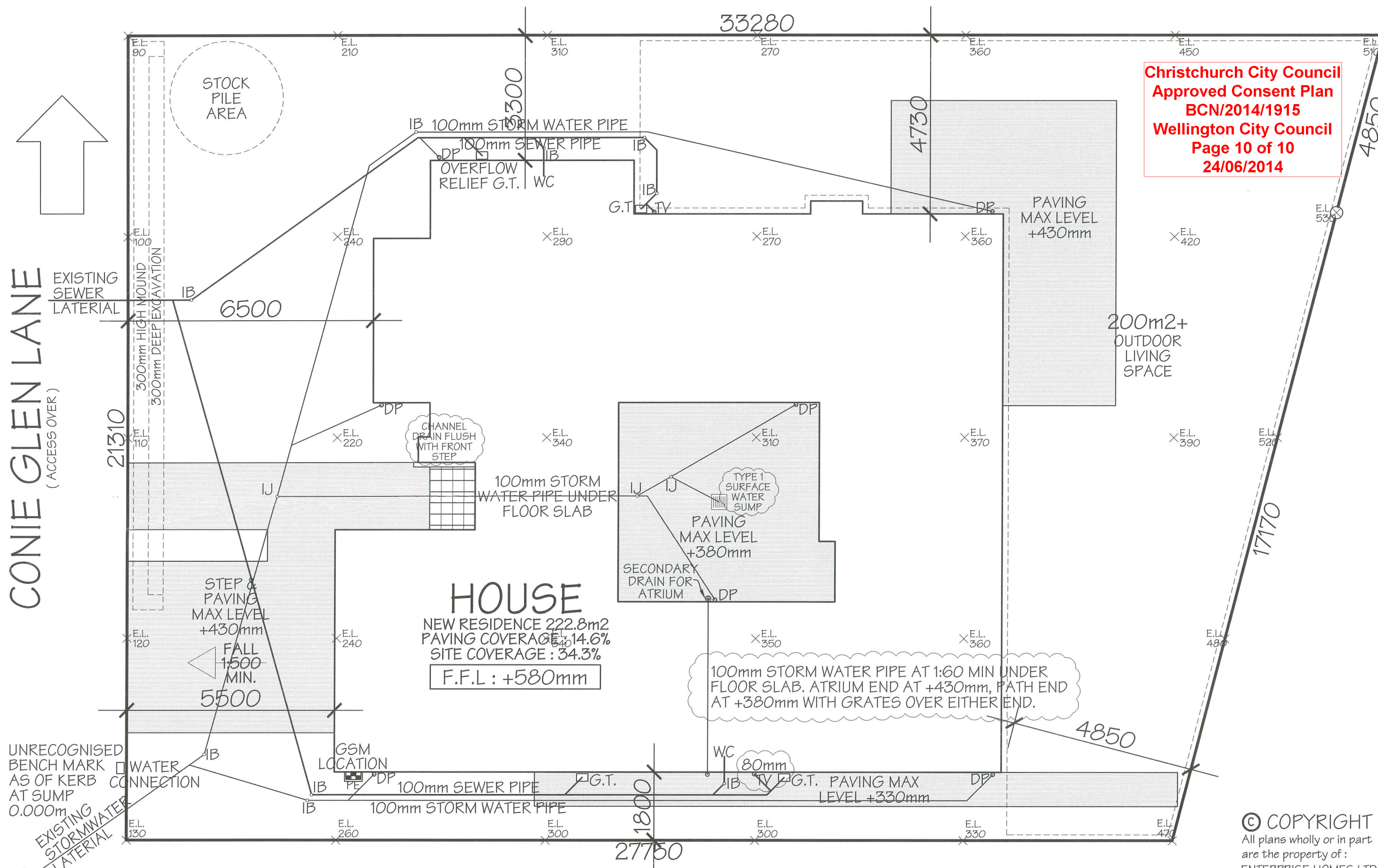
DATE 17.10.13

PLAN NUMBER
3428

© COPYRIGHT

All plans wholly or in part
are the property of:
ENTERPRISE HOMES LTD

ALL DOCUMENTS TO BE READ IN CONJUNCTION WITH PLANS, SPECIFICATIONS & SUPPORTING DOCUMENTS





Compliance and Electrical Safety Certificate

This form has been issued by the Electrical Workers Registration Board

Job N°: 310856

This form has been designed to be used by licensed electrical workers to certify low voltage installations or part installations that comply with Part 2 of AS/NZS 3000 and are safe to be connected to a 230/400 volt multiple earth neutral (MEN) system of electrical supply.

Location of Installation

Address: LOT 95 CONIE GLEN

Customer Information

Name: ENTERPRISE HOMES LTD

Postal Address: P.O Box 11059 CHEL 8443

Phone: 3485-189

Email: _____

Electrical Worker Information

Name: JAMES TURNER

Registration/Practising Licence Number: E4214

Organisation: HPAC Energy Centre

Telephone: 03 348 3057

Email: info@hpac.net.nz

Name of Person being supervised: NICK ANDERSON

Work details

The work is (circle): additions | alteration | new work

The prescribed electrical work is: ☐ High Risk ☒ General ☐ Low Risk ☐ The homeowner has undertaken part of the electrical installation work.
Please tick (✓) as appropriate

Indicate the number of each item installed or altered

Other Work?

Please tick (✓) if work includes:

No of Heat Pumps: 1 DAIKIN FTXS35LVW

No of Ventilation Fans: 1 IN HALL way

No of electric Heaters: 1

No of Water Heaters: 1

- ☐ Mains
☐ MEN switchboard closest to point of supply
☐ Main Earthing System
☐ Electric Lines

Certification of Work

I certify that the completed prescribed electrical work to which this certificate applies, has been done lawfully and safely and the information in the certificate is correct in that the installation, or part of the installation:

- ☒ has been installed in accordance with a certified design
☒ has an earthing system that is correctly rated
☒ contains fittings which are safe to connect to a power supply
☐ relies on supplier's Declaration of Conformity (attach or reference¹)
☐ relies on manufacturer's instructions (attach or reference¹)
☒ has been satisfactorily tested in accordance with Electricity (Safety) Regulations 2010
☒ is safe to connect

Test Results		
	Electrical Worker	Inspector
Polarity (independent earth):	✓	
Insulation resistance:	21999 m-ohm	
Earth continuity:	20.5 ohm	
Bonding:	20.5 ohm	
Other:		

Electronic reference: _____

Electrical Worker's Signature: [Signature]

Date: 19/2/2015

1. If it is impractical to attach a copy of a particular manufacturer's instructions, or of any certified design or supplier declarations of conformity, provide a reference to where the documents can be found, in a readily accessible format, through electronic means.

Electrical Safety Certificate

I certify that the installation, or part of the installation, to which the Electrical Safety Certificate applies is connected to a power supply and is safe to use

Name: [Signature]

Registration/Practising Licence Number: E4214

Signature: [Signature]

Date: 19/2/2015

(if certifier is different from electrical worker)

CUSTOMER COPY – THIS IS AN IMPORTANT DOCUMENT AND SHOULD BE RETAINED



Compliance and Electrical Safety Certificate

This form has been issued by the Electrical Workers Registration Board



Safety • Competency

Unique ID: ATB042

This form has been designed to be used by licensed electrical workers to certify low voltage installations or part installations that comply with Part 2 of AS/NZS 3000 and are safe to be connected to a 230/400 volt multiple earth neutral (MEN) system of electrical supply.

(1) Location of installation

Address: Lot 95 No 17 Conic Glen Lane Kintyre Estate

(2) Customer Information

Name: Enterprise Home Ltd

Postal Address: P.O. Box 11-059 Sackburn

Phone and Email: 3485-189

(3) Electrical Worker Information

Name: A.T. Barker Registration/Practising Licence Number: E3071

Organisation: _____ Telephone Number: 0274 342 703

Email: _____

Name of person(s) being supervised: _____

(4) Work Details

The work is (circle): **additions** | **alterations** | **new work** A/C units by others. Metering by others.

The prescribed electrical work is: ☒ High Risk ☐ General ☐ Low Risk ☐ The homeowner has undertaken part of the electrical installation work.
(Please tick (✓) as appropriate)

Indicate the number of each item installed or altered:

Number of lighting outlets: 48

Number of socket outlets: 37

Number of ranges: 1 Nolloden

Number of water heaters: _____

Other Work?

1 Manual + H/F/L to E/Serve
1 " 2 H/F/L
2 Cellair 5 Bar T/Rs.

Tick (✓) if work includes:

- ☒ Mains
- ☒ MEN switchboard closest to point of supply
- ☒ Main Earthing System
- ☐ Electric Lines

(5) Certification of Work

I certify that the completed prescribed electrical work to which this certificate applies, has been done lawfully and safely and the information in the certificate is correct in that the installation, or part of the installation:

- ☐ has been installed in accordance with a certified design
- ☒ has an earthing system that is correctly rated
- ☒ contains fittings which are safe to connect to a power supply
- ☒ relies on supplier's Declaration of Conformity (attach or reference)¹
- ☒ relies on manufacturer's instructions (attach or reference)¹
- ☒ has been satisfactorily tested in accordance with Electricity (Safety) Regulations 2010
- ☐ is safe to connect

Electronic reference: _____

Electrical Worker's Signature: A.T. Barker Date: 04/12/14

1. If it is impractical to attach a copy of a particular manufacturer's instructions, or of any certified design or supplier declarations of conformity, provide a reference to where the documents can be found, in a readily accessible format, through electronic means.

Test Results:

	Electrical Worker	Inspector
Polarity (independent earth):	<u>Correct</u>	☒
Insulation resistance:	<u>Ind</u>	☒
Earth continuity:	<u>10.1</u>	☒
Bonding:	☒	
Other (specify):		

(6) Electrical Safety Certificate

I certify that the installation, or part of the installation, to which the Electrical Safety Certificate applies is connected to a power supply and is safe to use

Name: Neil Hay Registration/Practising Licence Number: I 254 323

Signature: N Hay Date: 18/12/15
(if certifier is different from electrical worker)

CUSTOMER COPY - THIS IS AN IMPORTANT DOCUMENT AND SHOULD BE RETAINED



GAS SAFETY & COMPLIANCE CERTIFICATE



Reference No: 528447

Gas Safety Certificate and Certificate of Compliance made pursuant to Regulations 46 and 52B of the Gas (Safety and Measurement) Regulations 2010 (as amended), and Energy Work Certificate made pursuant to Regulation 19 of the Building Act 2004.

CLIENT	Name <i>Enterprise Homes</i>	INSTALLATION	Name
ADDRESS		ADDRESS	<i>Lot 95 Cornie Glen (#11) Lane Masham Ch Ch</i>
DESCRIPTION AND LOCATION OF THE GASFITTING: Describe the whole gas installation or part of the gas installation, and the gasfitting work done and, if different gasfitting work was done by different people, who did what, and which parts of the gas installation, if any, are safe to connect to a gas supply. <i>Pre-pipe and installed from meter to Rinnai HDi 200 Water Heater in roof space (Flue through roof), Fr P 4 Burner Hob (CG604D LPG B1 - S/N BUG230524 - 30.5m³/hr) And Rinnai NEO INBUILT FIRE (S/N 140712643, 30.5m³/hr) Flue through roof</i>			
GAS TYPE	<i>LPG</i>	GAS SUPPLY PRESSURE	<i>3.0</i> kPa
DATE(S) GASFITTING PERFORMED	<i>17/2/15</i>	DATE OF GAS CONNECTION	<i>17/2/15</i>
STANDARD RISK CLASSIFICATION (tick one) ☐ Low ☒ General ☐ High			
NAME, REGISTRATION NUMBER (IF ANY) OF PERSONS WHO CARRIED OUT GASFITTING UNDER SUPERVISION: Enter names and registration numbers / none			
CERTIFICATE ATTACHMENTS (tick as applicable) ☐ Manufacturers Instructions: Enter details of any attachments ☐ Certified Designs: Enter details of any designs			
"I believe on reasonable grounds that: (a) the gasfitting work described above has been done lawfully and safely; and (b) the work has been done in accordance with (tick one); ☒ sections 3 to 6 of AS/NZS 5601.1, or ☐ sections 3 to 9 of AS/NZS 5601.2; and (c) the work ☒ has ☐ has not (tick one) been done in accordance with a certified design; and (d) the work done ☒ has ☐ has not (tick one) relied on any manufacturers instructions; and (e) this certificate relates to the ☒ whole ☐ part (tick one) installation described above; and (f) the gas installation is connected to a gas supply and is safe to use; and (g) the information contained in this certificate is correct."			
CERTIFIER NAME	<i>D. SELBY</i>		
REGISTRATION TYPE & NUMBER	<i>CERTIFYING GASFITER 11722</i>		
SIGNATURE	<i>[Signature]</i>		
DATE	<i>17/2/15</i>		

Company name: Aletra
Address: 18 Watts Road
Address 2: Sockburn
City: Christchurch 8042
Phone: 03 9833199
Cell:

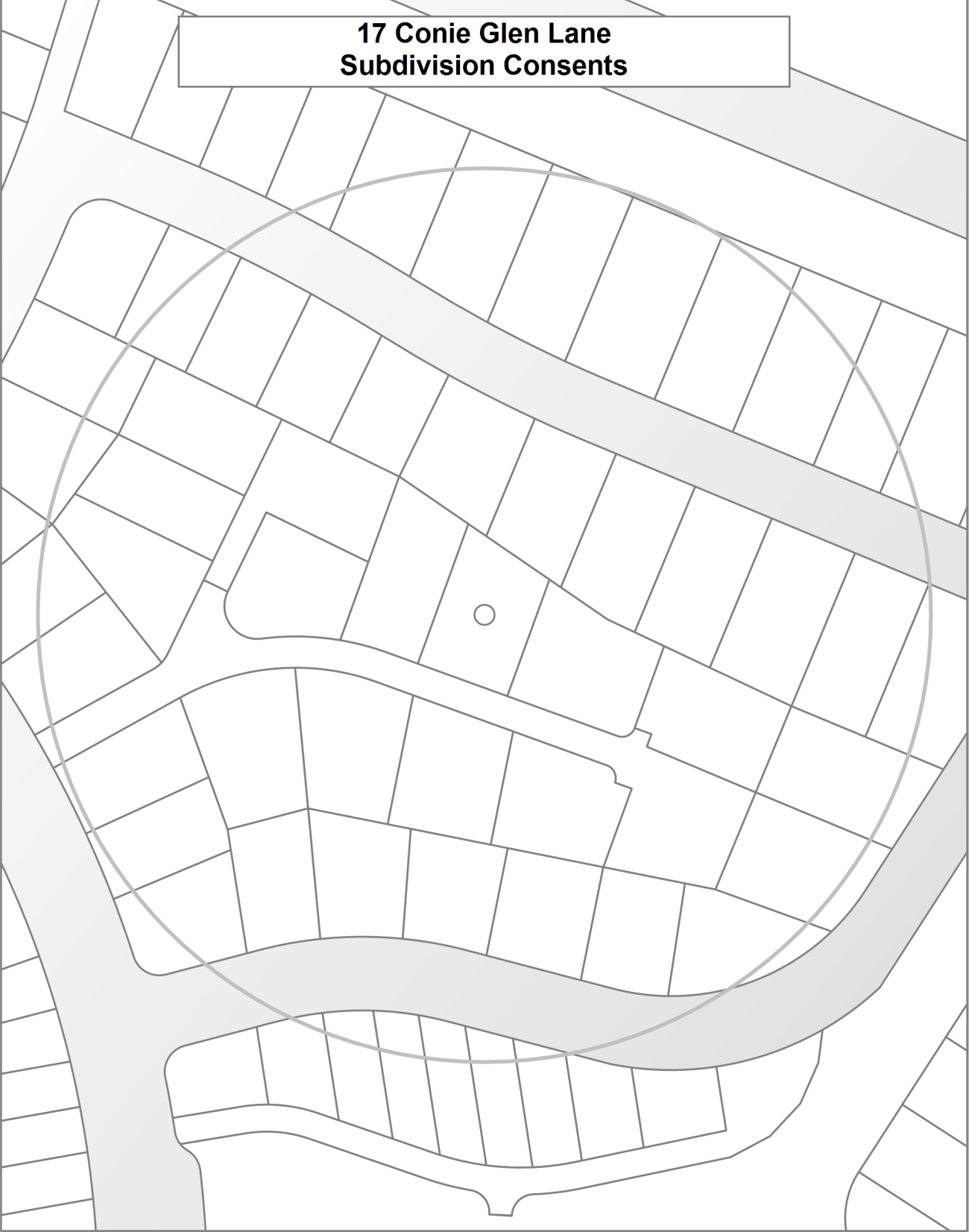
Prepared and owned by
Master Plumbers, Gasfitters & Drainlayers NZ,
used with permission



17 Conie Glen Lane Land Use Consents



**17 Conie Glen Lane
Subdivision Consents**



Land Use Resource Consents within 100 metres of 17 Conie Glen Lane

Note: This list does not include subdivision Consents and Certificates of Compliance issued under the Resource Management Act.

10 Davaar Crescent

RMA/1999/4114

Application for land use and subdivision consents relating to the development of approx. 21.5ha of land to provide for 197 residential sections. - Historical Reference RMA1087

Processing complete

Applied 17/09/1999

Decision issued 25/01/2000

Granted 23/12/1999

12 Davaar Crescent

RMA/1999/4114

Application for land use and subdivision consents relating to the development of approx. 21.5ha of land to provide for 197 residential sections. - Historical Reference RMA1087

Processing complete

Applied 17/09/1999

Decision issued 25/01/2000

Granted 23/12/1999

14 Davaar Crescent

RMA/1999/4114

Application for land use and subdivision consents relating to the development of approx. 21.5ha of land to provide for 197 residential sections. - Historical Reference RMA1087

Processing complete

Applied 17/09/1999

Decision issued 25/01/2000

Granted 23/12/1999

16 Davaar Crescent

RMA/1999/4114

Application for land use and subdivision consents relating to the development of approx. 21.5ha of land to provide for 197 residential sections. - Historical Reference RMA1087

Processing complete

Applied 17/09/1999

Decision issued 25/01/2000

Granted 23/12/1999

2 Conie Glen Lane

RMA/2016/3186

Conservatory

Processing complete

Applied 04/11/2016

Decision issued 14/11/2016

Granted 14/11/2016

Granted 14/11/2016

Decision issued 14/11/2016

23 Davaar Crescent

RMA/1999/4114

Application for land use and subdivision consents relating to the development of approx. 21.5ha of land to provide for 197 residential sections. - Historical Reference RMA1087

Processing complete

Applied 17/09/1999

Decision issued 25/01/2000

Granted 23/12/1999

25 Davaar Crescent

RMA/1999/4114

Application for land use and subdivision consents relating to the development of approx. 21.5ha of land to provide for 197 residential sections. - Historical Reference RMA1087

Processing complete

Applied 17/09/1999

Decision issued 25/01/2000

Granted 23/12/1999

27 Davaar Crescent

RMA/1999/4114

Application for land use and subdivision consents relating to the development of approx. 21.5ha of land to provide for 197 residential sections. - Historical Reference RMA1087

Processing complete

Applied 17/09/1999

Decision issued 25/01/2000

Granted 23/12/1999

4 Davaar Crescent

RMA/1999/4114

Application for land use and subdivision consents relating to the development of approx. 21.5ha of land to provide for 197 residential sections. - Historical Reference RMA1087

Processing complete

Applied 17/09/1999

Decision issued 25/01/2000

Granted 23/12/1999

6 Davaar Crescent

RMA/1999/4114

Application for land use and subdivision consents relating to the development of approx. 21.5ha of land to provide for 197 residential sections. - Historical Reference RMA1087

Processing complete

Applied 17/09/1999

Decision issued 25/01/2000

Granted 23/12/1999

94 Rannoch Drive

RMA/1999/4114

Application for land use and subdivision consents relating to the development of approx. 21.5ha of land to provide for 197 residential sections. - Historical Reference RMA1087

Processing complete

Applied 17/09/1999

Decision issued 25/01/2000

Granted 23/12/1999

Data Quality Statement

Land Use Consents

All resource consents are shown for sites that have been labelled with an address. For sites that have been labelled with a cross (+) no resource consents have been found. Sites that have no label have not been checked for resource consents. This will be particularly noticeable on the margins of the search radius. If there are such sites and you would like them included in the check, please ask for the LIM spatial query to be rerun accordingly. This will be done free of charge although there may be a short delay. Resource consents which are on land occupied by roads, railways or rivers are not, and currently cannot be displayed, either on the map or in the list. Resource consents that relate to land that has since been subdivided, will be shown in the list, but not on the map. They will be under the address of the land as it was at the time the resource consent was applied for. Resource consents that are listed as Non-notified and are current, may in fact be notified resource consents that have not yet been through the notification process. If in doubt. Please phone (03)941 8999.

The term “resource consents” in this context means land use consents. Subdivision consents and certificates of compliance are excluded.

Subdivision Consents

All subdivision consents are shown for the sites that have been labelled with consent details. For Sites that have been labelled with a cross (+) no records have been found. Sites that have no label have not been checked for subdivision consents. This will be particularly noticeable on the margins of the search radius. If there are such sites and you would like them included in the check, please ask for the LIM spatial query to be rerun accordingly. This will be done free of charge although there may be a short delay.

The term “subdivision consents” in this context means a resource consent application to subdivide land. Non subdivision land use resource consents and certificates of compliance are excluded.

This report will only record those subdivision applications which have not been completed i.e once a subdivision has been given effect to and the new lots/properties have been established the application which created those lots will not be shown

All subdivision consent information is contained on the map and no separate list is supplied