



21 October 2020

BGL Reference: 2010

Raymond and Verety Johnson  
C/- Jones and Stanger Ltd  
104 Collingwood Sreet  
Nelson 7010

Attention: Andrew Stanger

Dear Andrew,

**RE: Site Certification – 67 Eighty Eight Valley Road, Wakefield  
Resource Consent RM191346**

## 1. Introduction

Bell Geoconsulting Ltd (BGL) has prepared this letter in accordance with Condition 13 (Site Certification) of the above resource consent, which states:

*'Certification that a site has been identified on Lot 1 suitable for the construction of a residential building shall be submitted from a geoprofessional. This certificate shall define on Lot 1 the area suitable for the construction of residential buildings and shall be in accordance with NZS 4404:2010 Schedule 2A. Any limitations identified in Schedule 2A shall be noted on a consent notice pursuant to Section 221 of the Resource Management Act 1991 required by Condition 14, prior to the issue of the Section 224(c) certificate. This consent notice shall be prepared by the Consent Holder's solicitor at the Consent Holder's expense and shall be complied with by the Consent Holder and subsequent owners on an ongoing basis.'*

To satisfy the consent condition, a walkover inspection and shallow geotechnical testing was undertaken by a BGL engineering geologist on 24 September 2020 to confirm the ground conditions. Schedule 2A is attached.

## 2. Site Description

The site is located on the eastern side of Eighty Eight Valley Road in Wakefield and comprises an area of 1,186m<sup>2</sup> (title reference 7C/555). The site topography is gently to moderately sloping. An existing dwelling is located within the southern extent of the site within a near level area. Land to the north of the dwelling slopes moderately down (around 20°) to a level area in the northern extent of the site. The land has an overall approximate 5m elevation difference from south to north.

The subdivision details are summarised in RM191346, and shown on Figure A1 (appended), which includes the following lot areas:

- Lot 1: 500m<sup>2</sup>
- Lot 2: 775m<sup>2</sup> (includes the existing dwelling)

Access to proposed Lot 1 is formed on the northern side of the site.



# INVESTIGATION LOG

No.: HA1 + DCP1 + DCP3

Job No.: BGL2010

Sheet: 1 of 1

Client:

Coordinates:

E 1,602,836.00 N 5,415,586.00

Ground Level:

0

Date:

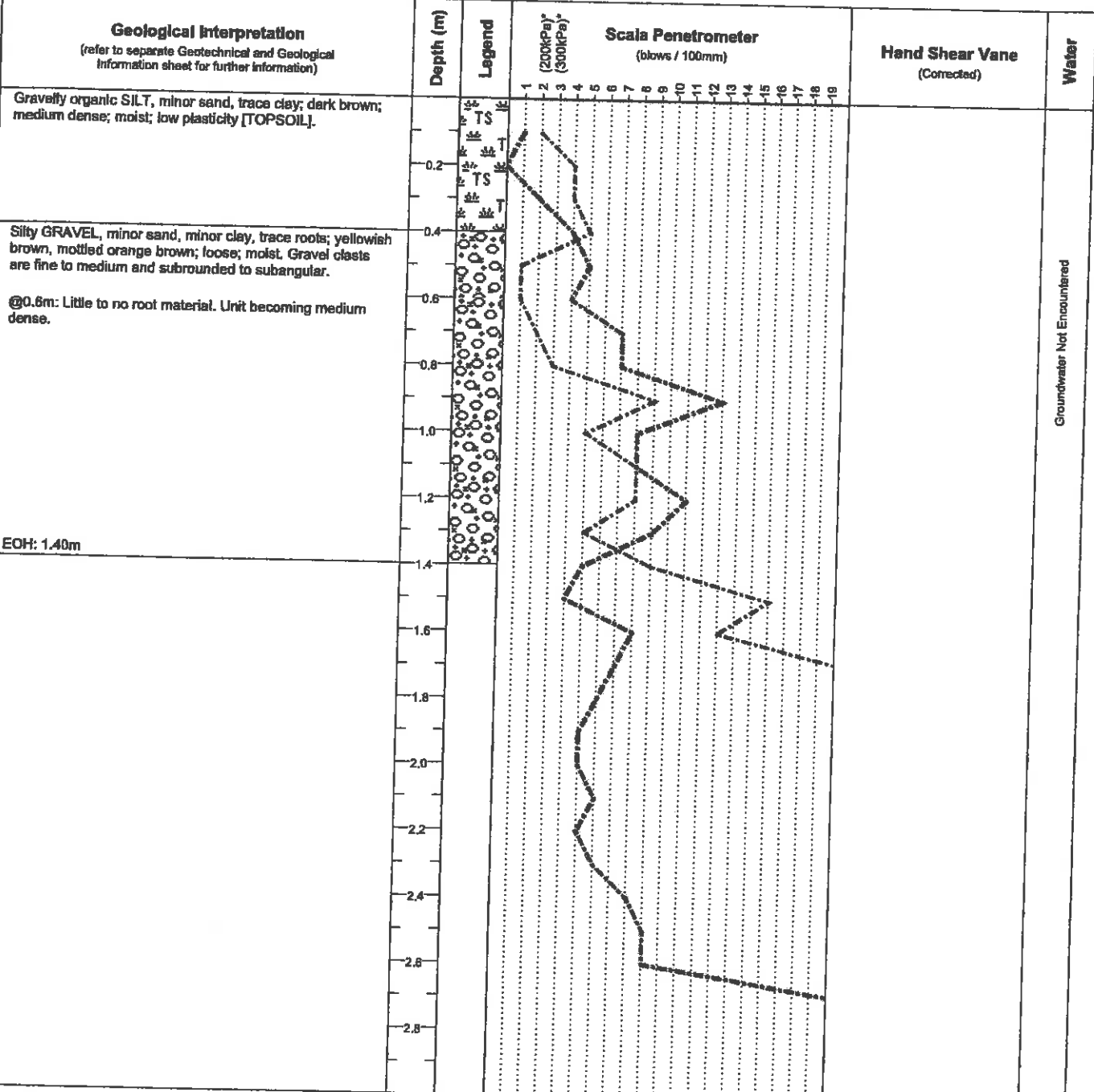
24/09/20

Project:

67 Eighty Eight Valley Road

Location:

Wakefield



**Legend**

--- HA1  
 --- DCP1  
 --- DCP3

**Remarks**

Refusal on gravel.

**Water**

▽ Standing Water Level  
 ◁ Out flow  
 ▷ In flow

**Investigation Type**

Hand Auger  
 Test Pit

Produced with Core-GS

Contractor:

Rig/Plant Used:

Logged By:

TG

Checked By:

DHB

Hole Depth:

1.40 m

**Household Statement of Facts** Page 2 of 3**Statement of Values to be insured**

Note : where sums insured have been entered in the Valuables and Personal Effects section, cover will automatically include accidental damage.

**Buildings** : This should include full demolition & rebuilding cost including site clearance and professional feesSum Insured  Excess  Accidental Damage Yes  No Name of Financial and/or mortgage interest to be noted on policy (if applicable) **Contents** : This should represent the full replacement cost as new of the contentsSum Insured  Excess  Accidental Damage Yes  No **Valuables and Personal Effects****Specified Contents in the Private Dwelling**

Antiques and Works of Art	£	<input type="text" value="Nil"/>
Gold, Silver & Similar Precious Metals	£	<input type="text" value="Nil"/>
<b>Personal Possessions</b>		
Video Cameras & Equipment	£	<input type="text" value="Nil"/>
Portable Computer Equipment	£	<input type="text" value="Nil"/>
Jewellery Worldwide	£	<input type="text" value="Nil"/>
Miscellaneous Items	£	<input type="text" value="Nil"/>
Mobile Telephones	£	<input type="text" value="Nil"/>

**Optional Extensions**

Family Legal Protection	Included
Home Emergency Services	Not Included



# INVESTIGATION LOG

No.: HA2 + DCP2  
 Job No.: BGL2010  
 Sheet: 1 of 1  
 Ground Level: 0  
 Date: 24/09/20

Client:  
 Project:  
 67 Eighty Eight Valley Road

Coordinates:  
 E 1,602,829.00 N 5,415,583.00  
 Location:  
 Wakefield

**Geological Interpretation**  
 (refer to separate Geotechnical and Geological Information sheet for further information)

Organic SILT, some gravel; dark brown; loose; moist [TOPSOIL]

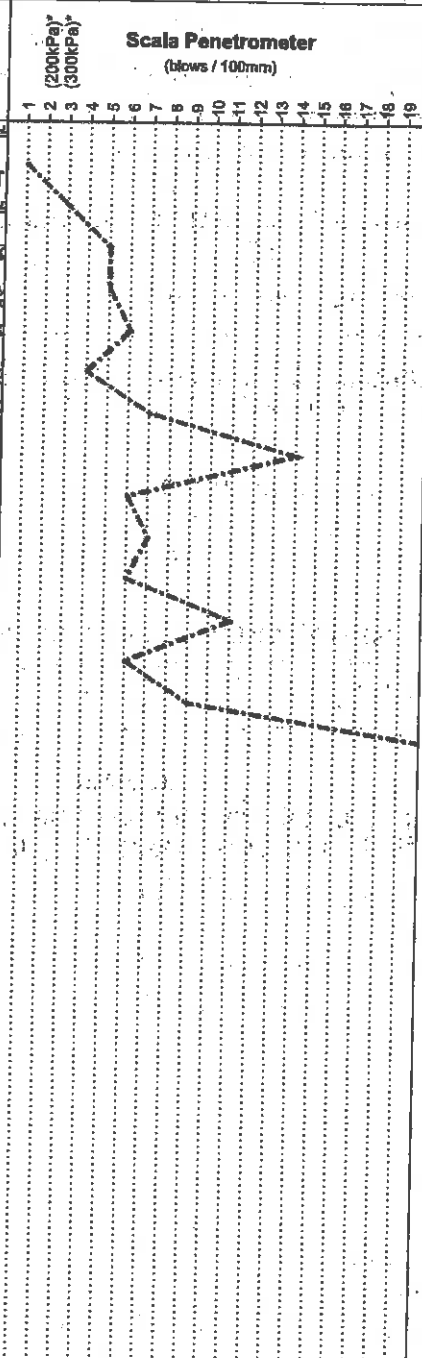
Silty GRAVEL, some sand, trace clay; yellowish brown; medium dense; moist. Gravel clasts are fine to coarse and subrounded to subangular.

Gravelly SILT, minor sand; minor clay; yellowish brown; medium dense to dense; moist; low plasticity.

Silty GRAVEL, some sand, trace clay; yellowish brown; dense; moist. Gravel clasts are fine to coarse and subrounded to subangular.  
 EOH: 1.30m

Depth (m)  
 0.2  
 0.4  
 0.6  
 0.8  
 1.0  
 1.2  
 1.4  
 1.6  
 1.8  
 2.0  
 2.2  
 2.4  
 2.6  
 2.8

Legend  
 TS



Hand Shear Vane  
 (Corrected)

Water

Groundwater Not Encountered

**Legend**  
 ---HA2  
 ---DCP2

**Remarks**  
 Refusal on gravel.

**Water**  
 ▽ Standing Water Level  
 ◁ Out flow  
 ▷ In flow

**Investigation Type**  
 Hand Auger  
 Test Pit

Produced with Core-GS

Contractor:  
 Rig/Plant Used:  
 Logged By: TG  
 Checked By: DHB  
 Hole Depth: 1.30 m

**SCHEDULE 2A**  
**STATEMENT OF PROFESSIONAL OPINION ON SUITABILITY**  
**OF LAND FOR BUILDING CONSTRUCTION**

Development: Residential Subdivision – proposed Lots 1 and 2  
Developer: Raymond and Verety Johnson  
Location: 67 Eighty Eight Valley Road, Wakefield – Tasman District

I, David H Bell, of Bell Geoconsulting Ltd, Christchurch;

Hereby confirm that:

1. I am a geo-professional as defined in section 1.2.2 of NZS 4404:2010 and was retained by the developer as the geo-professional on the above development.
2. The extent of my site investigations is described in my report dated 21 October 2020, and the conclusions and recommendations of that document have been re-evaluated in the preparation of this certification.
3. In my professional opinion, I consider that council is justified in granting consent incorporating the following conditions:
  - (a) The completed works take into account foundation stability considerations, subject to the appended foundation recommendations and earthworks restrictions as set out in this report.
  - ~~(b) Subject to 3(a) of this Schedule, the original ground is suitable for erection of buildings designed according to NZS 3604 provided that:~~
    - ~~i)~~
    - ~~ii)~~
  - ~~(c) Subject to 3(a) of this Schedule, the original ground is suitable for erection of buildings designed according to NZS 3604 provided that:~~
    - ~~i)~~
    - ~~ii)~~
  - (d) The original ground not affected by filling and the filled ground is not subject to erosion, subsidence or slippage in accordance with the provisions of Section 108 of the Resource Management Act 1991 provided that:
    - i) Foundation design is undertaken in accordance with the recommendations provided in the BGL report dated 21 October 2020.
4. This professional opinion is furnished to the developer for their purposes alone on the express condition that it will not be relied upon by any other person and does not remove the necessity for the normal inspection of foundation conditions at the time of erection of the building.
5. This certificate shall be read in conjunction with my Geotechnical report referred to in clause 2 above and shall not be copied or reproduced except in conjunction with the full report.

Signed:



Date: 21 October 2020

David H Bell

CMEngNZ Registration Number 113121