

Darrell Holder

BC 69386

From: Darrell Holder
Sent: Wednesday, 13 June 2012 2:43 p.m.
To: 'Anthony Timmer'
Subject: RE: Smith Geddes



Document Number: RDC-440249

Date Registered: 4/3/2014

Hello Anthony,

I will have our engineers see how the testing looks. This is not my area of expertise and in clarification when a test is done the final result always includes a statement that the minimum bearing capacity has been met and if Opus are able to provide that statement it would be beneficial for this application. Essentially the LBP designer will be signing off on this work as they are providing the from 2A and it would be wise to ask their opinion as to the acceptance of test results without a statement confirming compliance will be met based figures obtained.

I have attached a link to our February news letter that discusses the additional ground bearing requirements as a result of the changes to NZS 3604:2011 and what the expectations for applicants are. (page 2)

<http://www.rdc.govt.nz/Services/Building/~media/RDC/Files/Activities/Building/Building%20NLFeb2012.ashx>

Regards

Darrell Holder
 Manager Building Services
 Rotorua District Council

DDI: 07 351 8063
 Mob: 027 294 1944
 Fax: 07 349 0993
 E: darrell.holder@rdc.govt.nz
 W: <http://www.rdc.govt.nz/>

From: Anthony Timmer [mailto:Anthony.Timmer@jennian.co.nz]

Sent: Wednesday, 13 June 2012 2:06 p.m.

To: Darrell Holder

Subject: Smith Geddes

Hi Darrell

Please find attached a revised version of the test results which Opus says demonstrates that the load bearing qualities of the sub-soil meets the requirements of the building code. If council still requires a geotec engineers interpretation of these results which we can plainly see are ok it will cost the clients an extra \$1000.00 which they are not prepared to pay especially after I told them and convinced them that they had to spend \$600 for a soil test on land that had been tested and we are at present building on and have built homes on without any extra investigations. What council sometimes don't realise that when the requirements change they need to be clarified and then sent to building companies because telling us once the consent is in it is sometimes to late to get extra money out of people especially when they are borrowing up to 95%.

ANTHONY TIMMER Sales Manager

T 07 343 9929
 M 021 989 669
 F 07 343 9928

Anthony.Timmer@jennian.co.nz
jennian.co.nz
Jennian Homes Rotorua 99 Fairy Springs Road PO
Box 2282 Rotorua 3141



 join our Facebook page

 Follow us on Twitter

Jennian
HOMES
Your personality Our expertise

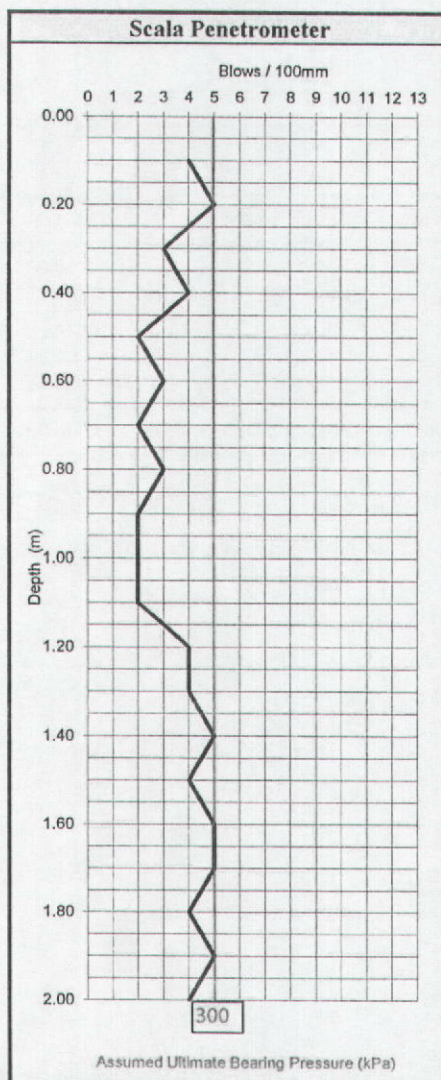
All attached schematics, drawings and reports are copyright to Jennian Services Ltd and may not be used in any manner without the prior written permission of the copyright holder. Privileged/confidential information may be contained in this message. If you are not the intended recipient indicated in this message you may not copy or use the contained information. In such a case, we ask that you destroy this message and kindly notify the sender by reply email. Opinions, conclusions and other information in this message are strictly confidential and are privileged information, not intended to be used for any other purpose or by any other recipient than stated.

AUGER / SCALA PENETROMETER TEST REPORT

Project : House Site, Investigation
 Location : Lot 7, Hamon Place, Rotorua
 Client : Smith & Geddes Trust
 Contractor : Unknown
 Test number : 1
 Shear vane number : N/A
 Shear vane correction : N/A
 Water level : Nil
 Reduced level : Approx 1m above street level



Project No : 289868
 Lab Ref No : 12/201
 Client Ref No :



Test Results		
Depth (m)	Shear Strength (kPa)	Soil Description
0.20		Organic Topsoil
0.60		Medium to fine silty SAND, loose to medium dense, moist, light brown.
0.70		Silty SAND, loose, moist, dark brown/black.
1.20		SILT, with some fine sand, firm, slightly plastic, moist, orange/brown.
1.50		Medium pumiceous SAND, medium dense, moist, light brown.
2.00		Fine pumiceous GRAVEL, medium dense, moist, light brown.
		End of hole @ 2m

Test Methods

Determination of Penetration Resistance of a Soil, NZS 4402 : 1988, Test 6.5.2
 Factual Report Only
 Assumed Ultimate Bearing Pressure from NZS 3604: 2011 - Section 3.3.7

Field Descriptions of Soils and Rocks by
 NZ Geotechnical Society Dec 2005
 Inferred CBR values are not IANZ accredited

Date tested : 16/05/12
 Date reported : 17/05/12

This report may only be reproduced in full

Approved

Designation : *Laboratory Manager*
 Date : 17/05/12

PF-LAB-060 (18/12/2010)

Page 3 of 7

Opus International Consultants Ltd
 Rotorua Laboratory
 Quality Management Systems Certified to ISO 9001

20 Te Ngae Road
 PO Box 1245, Rotorua 3040, New Zealand

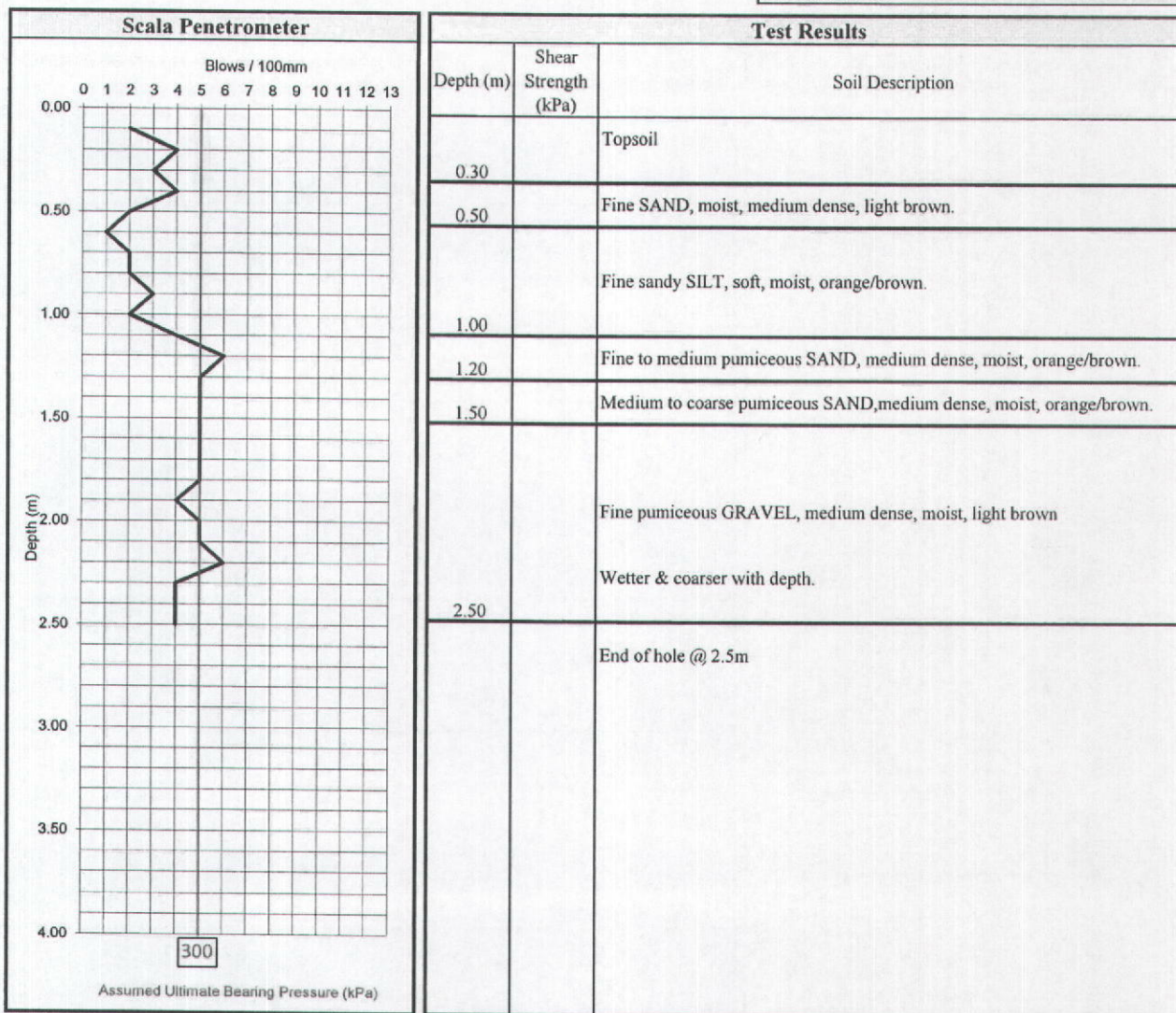
Telephone +64 7 343 1440
 Facsimile +64 7 343 1441
 Website www.opus.co.nz

AUGER / SCALA PENETROMETER TEST REPORT

Project : House Site, Investigation
 Location : Lot 7, Hamon Place, Rotorua
 Client : Smith and Geddes Trust
 Contractor : Unknown
 Test number : 2
 Shear vane number : NA
 Shear vane correction : NA
 Water level (m): Nil
 Reduced level (m): Approx 1.8m above street level



Project No : 289868
 Lab Ref No : 12/201
 Client Ref No :



Test Methods

Determination of Penetration Resistance of a Soil, NZS 4402 : 1988, Test 6.5.2
 Factual Report Only
 Assumed Ultimate Bearing Pressure from NZS 3604:2011 - Section 3.3.7

Field Descriptions of Soils and Rocks by
 NZ Geotechnical Society Dec 2005
 Inferred CBR values are not IANZ accredited

Date tested : 16/05/12
 Date reported : 17/05/12

This report may only be reproduced in full

Approved

Designation : *Laboratory Manager*
 Date : 17/05/12

PF-LAB-061 (18/12/2010)

Page 4 of 7

Opus International Consultants Ltd
 Rotorua Laboratory
 Quality Management Systems Certified to ISO 9001

20 Te Ngae Road
 PO Box 1245, Rotorua 3040, New Zealand

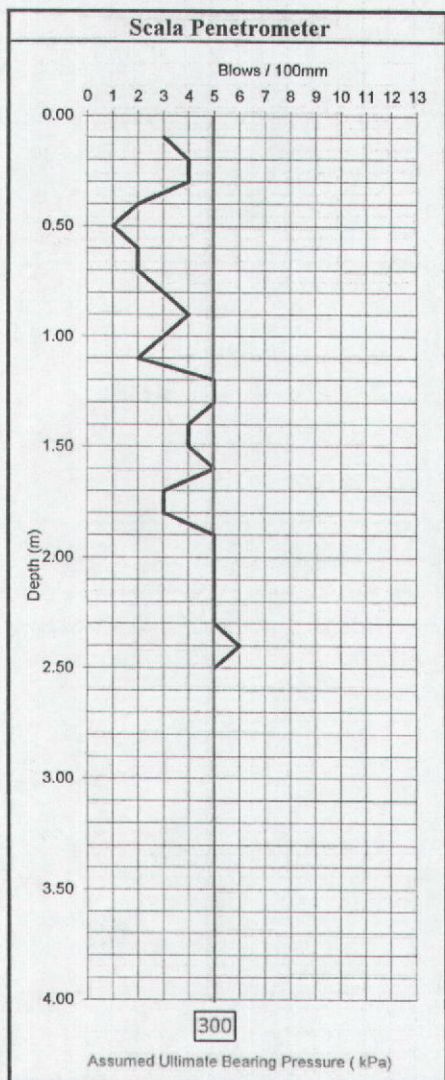
Telephone +64 7 343 1440
 Facsimile +64 7 343 1441
 Website www.opus.co.nz

AUGER / SCALA PENETROMETER TEST REPORT

Project : House Site, Investigation
 Location : Lot 7, Hamon Place, Rotorua
 Client : Smith and Geddes Trust
 Contractor : Unknown
 Test number : 3
 Shear vane number : NA
 Shear vane correction : NA
 Water level (m): Nil
 Reduced level (m): Approx 1.8m above street level



Project No : 289868
 Lab Ref No : 12/201
 Client Ref No :



Test Results		
Depth (m)	Shear Strength (kPa)	Soil Description
0.20		Topsoil
0.90		Sandy SILT (ash), loose to medium dense, moist, orange/brown.
1.30		Medium to coarse pumiceous SAND, moist, loose to medium dense, orange/brown.
2.50		Fine pumiceous sandy GRAVEL, moist, medium dense, orange/brown. Wetter & coarser with depth
		End of hole @ 2.5m

Test Methods

Determination of Penetration Resistance of a Soil, NZS 4402 : 1988, Test 6.5.2
 Factual Report Only
 Assumed Ultimate Bearing Pressure from NZS 3604:2011 - Section 3.3.7

Field Descriptions of Soils and Rocks by
 NZ Geotechnical Society Dec 2005
 Inferred CBR values are not IANZ accredited

Date tested : 16/05/12
 Date reported : 17/05/12

This report may only be reproduced in full

Approved

Designation : *Laboratory Manager*
 Date : 17/05/12

PF-LAB-061 (18/12/2010)

Page 5 of 7

Opus International Consultants Ltd
 Rotorua Laboratory
 Quality Management Systems Certified to ISO 9001

20 Te Ngae Road
 PO Box 1245, Rotorua 3040, New Zealand

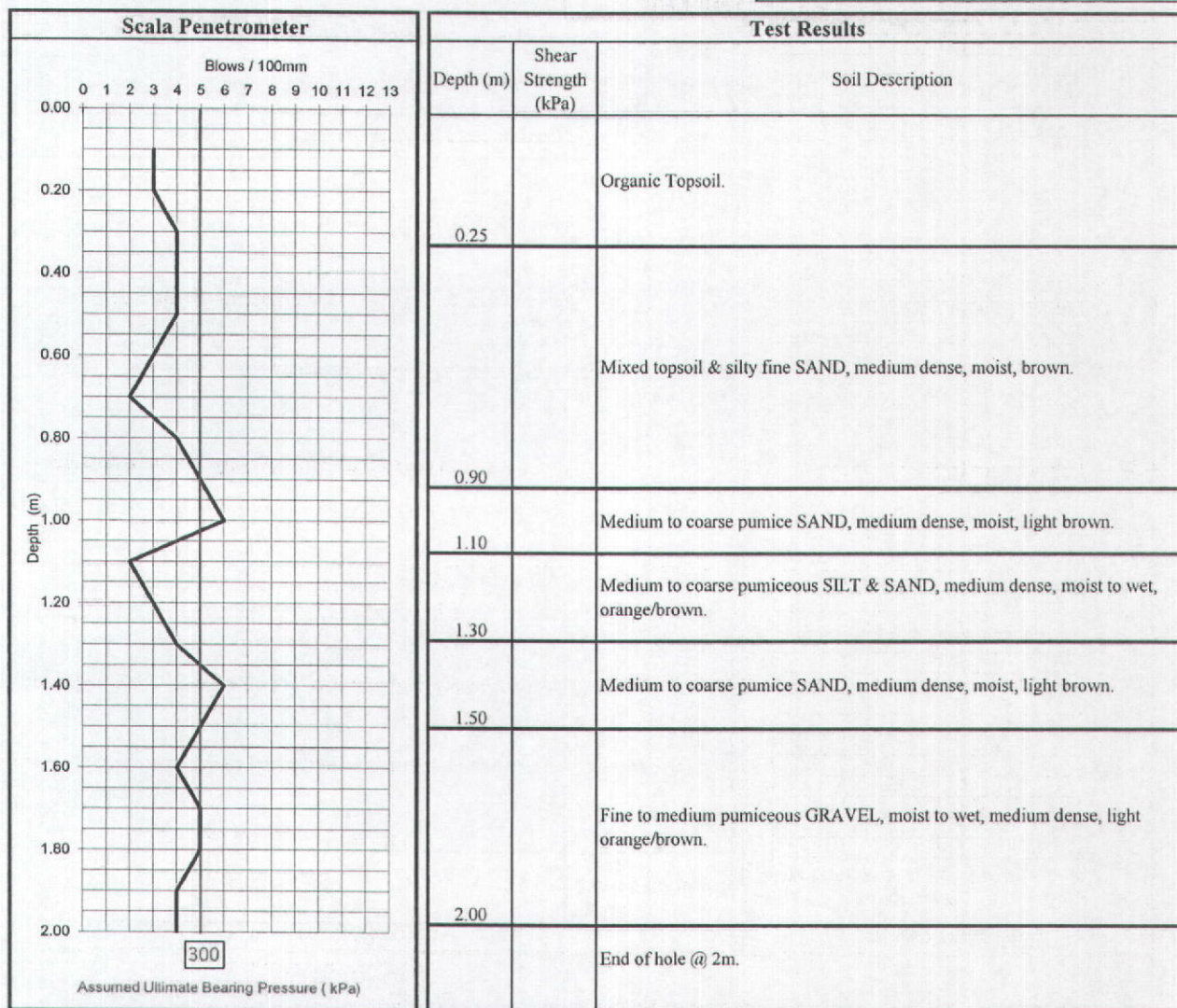
Telephone +64 7 343 1440
 Facsimile +64 7 343 1441
 Website www.opus.co.nz

AUGER / SCALA PENETROMETER TEST REPORT

Project : House Site, Investigation
 Location : Lot 7, Hamon Place, Rotorua
 Client : Smith & Geddes Trust
 Contractor : Unknown
 Test number : 4
 Shear vane number : N/A
 Shear vane correction : N/A
 Water level : Nil
 Reduced level : Approx 1m above street level



Project No : 289868
 Lab Ref No : 12/201
 Client Ref No :



Test Methods

Determination of Penetration Resistance of a Soil, NZS 4402 : 1988, Test 6.5.2
 Factual Report Only
 Assumed Ultimate Bearing Pressure from NZS 3604:2011 - Section 3.3.7

Field Descriptions of Soils and Rocks by
 NZ Geotechnical Society Dec 2005
 Inferred CBR values are not IANZ accredited

Date tested : 16/05/12
 Date reported : 17/05/12

This report may only be reproduced in full

Approved

Designation : *Laboratory Manager*
 Date : 17/05/12

PF-LAB-060 (18/12/2010)

Page 6 of 7

Opus International Consultants Ltd
 Rotorua Laboratory
 Quality Management Systems Certified to ISO 9001

20 Te Ngae Road
 PO Box 1245, Rotorua 3040, New Zealand

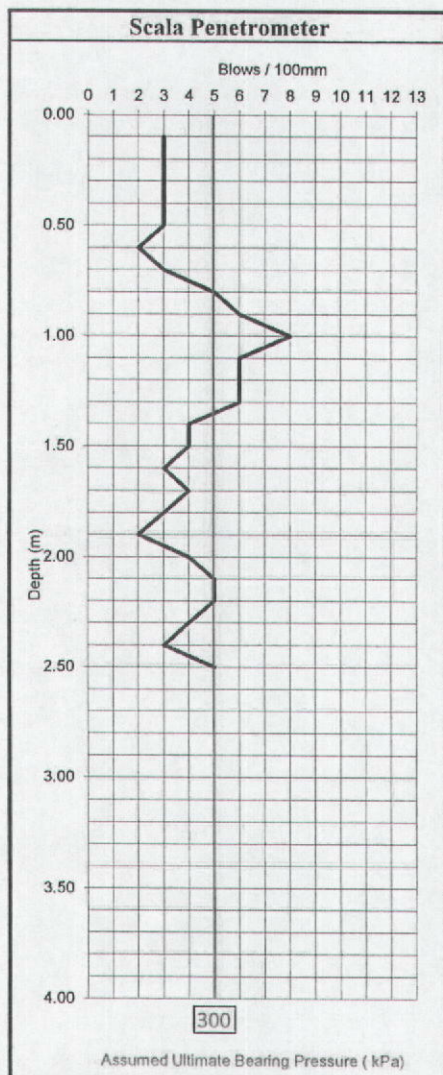
Telephone +64 7 343 1440
 Facsimile +64 7 343 1441
 Website www.opus.co.nz

AUGER / SCALA PENETROMETER TEST REPORT

Project : House Site, Investigation
 Location : Lot 7, Hamon Place, Rotorua
 Client : Smith and Geddes Trust
 Contractor : Unknown
 Test number : 5
 Shear vane number : NA
 Shear vane correction : NA
 Water level (m): Nil
 Reduced level (m): Approx 1.5m above street level



Project No : 289868
 Lab Ref No : 12/201
 Client Ref No :



Test Results		
Depth (m)	Shear Strength (kPa)	
0.35		Organic Topsoil.
0.70		Fine SAND, minor silt, moist, medium dense to loose, light brown.
1.00		Medium to coarse pumiceous SAND, medium dense, moist, light brown.
2.00		Fine pumiceous GRAVEL, medium dense, moist, light brown. Wetter & coarser with depth.
		End of hole @ 2m

Test Methods

Determination of Penetration Resistance of a Soil, NZS 4402 : 1988, Test 6.5.2
 Factual Report Only
 Assumed Ultimate Bearing Pressure from NZS 3604:2011 - Section 3.3.7

Field Descriptions of Soils and Rocks by
 NZ Geotechnical Society Dec 2005
 Inferred CBR values are not IANZ accredited

Date tested : 16/05/12
 Date reported : 17/05/12

This report may only be reproduced in full

Approved

Designation : *Laboratory Manager*
 Date : 17/05/12

PF-LAB-061 (18/12/2010)

Page 7 of 7

Opus International Consultants Ltd
 Rotorua Laboratory
 Quality Management Systems Certified to ISO 9001

20 Te Ngae Road
 PO Box 1245, Rotorua 3040, New Zealand

Telephone +64 7 343 1440
 Facsimile +64 7 343 1441
 Website www.opus.co.nz