

10 February 2015

David Wraight
David Wraight Cottages
PO Box 48174
Renwick 7243

Dear David

Foundation Investigation at Lot 14 Fairbourne Drive, Blenheim
Our Reference 4920

At your request, we have carried out a foundation investigation for the proposed residential dwelling at the above site. A total of three penetrometer tests, numbered P1 to P3, were put down at the site during the site investigation on 10 February 2015.

The attached test results of P1 to P3 indicate that the subsoils generally have a soil bearing resistance in excess of 300kPa (ultimate bearing capacity). On the basis of the foregoing it is considered that the site is suitable for the proposed residential development and for construction on conventional shallow foundations designed and constructed in accordance with NZS 3604:2011.

Please do not hesitate to call if you have any queries.

Regards,



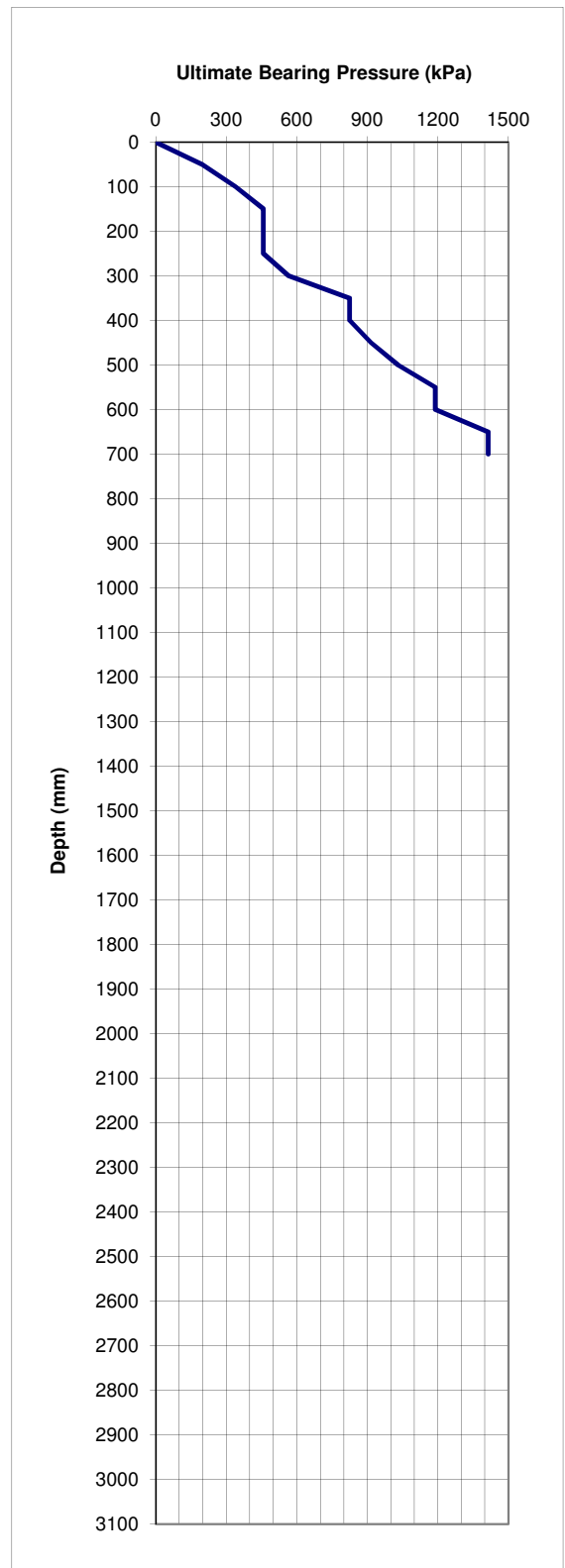
Richard Evans
Engineer

Project:	DWC Lot 14, Fairbourne Drive		
Client:	David Wraight Cottages		
Ref:	4920	Eng:	KL
Date:	10-02-15	Sheet:	1 of 3

PENETROMETER TEST RESULTS

Notes:

No. of Blows	e (mm/blow)	Soil bearing resistance (kPa)	Depth (mm)
0	0	0	0
1	50	198	50
2	25	339	100
3	17	458	150
3	17	458	200
3	17	458	250
4	13	565	300
6	8	824	350
6	8	824	400
7	7	915	450
8	6	1031	500
10	5	1189	550
10	5	1189	600
14	4	1414	650
14	4	1414	700
			750
			800
			850
			900
			950
			1000
			1050
			1100
			1150
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			2050
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			2800
			2850
			2900
			2950
			3000
			3050
			3100

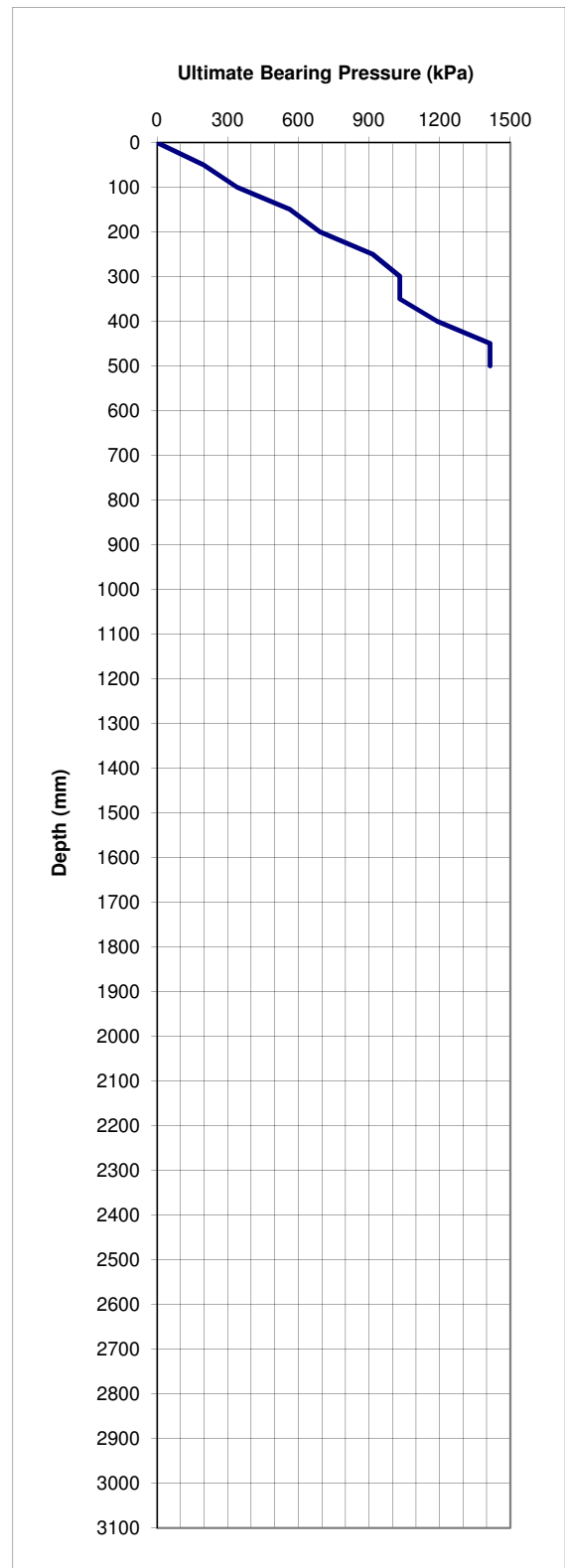


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Ref:	4920	Eng:	KL
Date:	10-02-15	Sheet:	2 of 3

PENETROMETER TEST RESULTS

Notes:

No. of Blows	e (mm/blow)	Soil bearing resistance (kPa)	Depth (mm)
0	0	0	0
1	50	198	50
2	25	339	100
4	13	565	150
5	10	693	200
7	7	915	250
8	6	1031	300
9	6	1031	350
10	5	1189	400
12	4	1414	450
12	4	1414	500
			550
			600
			650
			700
			750
			800
			850
			900
			950
			1000
			1050
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			2900
			2950
			3000
			3050
			3100



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PENETROMETER TEST RESULTS

Notes:

No. of Blows	e (mm/blow)	Soil bearing resistance (kPa)	Depth (mm)
0	0	0	0
1	50	198	50
1	50	198	100
2	25	339	150
3	17	458	200
4	13	565	250
3	17	458	300
4	13	565	350
6	8	824	400
7	7	915	450
7	7	915	500
8	6	1031	550
8	6	1031	600
9	6	1031	650
9	6	1031	700
			750
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			850
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			3000
			3050
			3100

