

Appendix 2 Certificates

Infrastructure Development Code Form G2

Infrastructure Development Code Form G3

CERTIFICATION

G2

STATEMENT OF PROFESSIONAL OPINION AS TO THE  
GEOTECHNICAL SUITABILITY OF LAND FOR BUILDING

NAME OF SUBDIVISION	The Lakes Stage 2K
COUNCIL FILE NUMBER RC No:	16780
ENGR RESPONSIBLE FOR INVESTIGATION:	M W Hughes
QUALIFICATIONS:	BE CPEng MIPENZ

I ..... Michael William Hughes ..... of ..... S & L Consultants Ltd

Hereby confirm that;

I am a professional person, appropriately qualified with experience in geotechnical engineering to ascertain the suitability of the land for building development and was retained as the Soils Engineer to the above development.

1. An appropriate level of site investigation and construction supervision has been carried out under my direction and is described in my development evaluation report dated 15 March 2013.
2. In my professional opinion, not to be construed as a guarantee, I consider that;
  - a) The areas shown in my report dated 15 March 2013 of each new allotment are suitable for the erection thereon of the building types appropriate to the zoning of the land, provided that, buildings are set back from easements, slopes or retaining walls as described in my report.
  - b) The earth fills shown on the attached Plans No. 18264-AB11 and 132631-2K-AB220 have been placed in accordance with the requirements of the Infrastructure Development Code.
  - c) The completed works give due regard to all land slope and foundation stability considerations.
  - d) The filled ground is suitable for the erection thereon of residential buildings not requiring specific design in terms of NZS 3604:2011 and related documents based on data from specific test sites.
  - e) The original ground not affected by filling is suitable for the erection of residential buildings not requiring specific design in terms of NZS 3604:2011 and related documents based on data from specific test sites but ground conditions may vary away from these test sites.
3. This professional opinion is furnished to the Council and the owner for their purposes alone, on the express condition that it will not be relieved upon by any other person and does not remove the necessity for normal inspections of foundation conditions at the time of erection for any dwelling.

Signed: ..... *M Hughes* ..... Date: *15 March 2013* .....



PRODUCER STATEMENT  
SUITABILITY OF LAND FOR BUILDING DEVELOPMENT

G2

Version 1  
July 2011

**SUMMARY OF GEOTECHNICAL DATA/RECOMMENDATIONS FOR INDIVIDUAL LOTS**

FROM IDC \_ G3

Subdivision:

The Lakes Stage 2K  
Benmore Crescent, Pyes Pa

TCC Ref: RC 16780  
S&L Ref: 20260

*The comments and notations included on this summary sheet are outlined in the support documents. These shall be read in conjunction with this summary.*

Lot No.	Area (m2)	Shear Strength (kPa)	Subdivision Filling		Natural Topography Unworked		Natural Topography earthworked		Foundations		Building Restriction Line	S/W Specific Design	S/W Soakage	S/W Reticulate	Designated Building Platform	Minimum Building Platform	Compressible Soils	on-site effluent disposal	consent notice	Recommendations /Restrictions
			Y/N	Depth (m)	Y/N	Depth (m)	Conventional shallow	Specific Design												
			Y	0-0.5 0-0.5	Y	Depth (m)	Y/N/NA	Y/N												
623	599	150	Y	0-0.5	Y	N	N	Y	Y	N	N	N	Y	N	N	N	Y	Y		
624	615	150	Y	0-0.5	N	Y	1.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
625	599	172	N		N	Y	1.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
626	619	95-108	N		N	Y	5.5	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
627	609	95-101	N		N	Y	6.5	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
628	616	71-200	N		N	Y	6.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
629	634	51-200	N		N	Y	6.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
630	609	108-200	N		N	Y	6.5	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
631	688	71-200	N		N	Y	6.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
632	561	200	N		N	Y	6.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
633	460	61-159	N		N	Y	6.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
634	580	78-102	N		N	Y	6.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
635	534	118-200	N		N	Y	6.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
636	752	139-200	N		N	Y	5.5	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
637	354	57-145	Y	0-1.25	N	Y	4.8	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
638	379	78-200	N		N	Y	4.5	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
639	600	156	N		N	Y	4.2	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
640	600	200	Y	0-1.25	N	Y	4.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
641	684	200	Y	0-1.25	N	Y	4.5	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
642	670	57-142	N		N	Y	5.5	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
643	600	81-125	N		N	Y	6.5	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
644	600	57-125	Y	0-0.75	N	Y	5.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
645	600	68-200	Y	0-0.5	N	Y	5.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
646	634	105-152	N		N	Y	2.5	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
647	523	68-105	N		N	Y	6.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
648	500	778-169	N		N	Y	8.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
649	453	125-152	N		N	Y	7.5	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
650	561	169	N		N	Y	7.0	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
694	694	171	N		N	Y	6.5	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	
698	607	184	N		N	Y	2.5	Y	Y	N	N	N	N	Y	N	N	N	Y	Y	



SUMMARY OF GEOTECHNICAL DATA FOR INDIVIDUAL LOTS  
INFRASTRUCTURE DEVELOPMENT CODE

**G3**  
VERSION 1/1



**SUMMARY OF GEOTECHNICAL DATA/RECOMMENDATIONS FOR INDIVIDUAL LOTS**

FROM IDC \_ G3

Subdivision:

Location:

The Lakes Stage 2K  
Benmore Crescent, Pyes Pa

TCC Ref: RC 16780  
S&L Ref: 20260

*The comments and notations included on this summary sheet are outlined in the support documents. These shall be read in conjunction with this summary.*

Lot No.	Area (m2)	Shear Strength * (kPa)	Subdivision Filling		Natural Topography Unworked		Natural Topography earthworked		Foundations		Building Restriction Line	S/W Specific Design	S/W Soakage	S/W Reticulate	Designated Building Platform	Minimum Building Platform	Compressible Soils	on-site effluent disposal	consent notice	Recommendations /Restrictions	
			Y/N	Depth (m)	Y/N	Depth (m)	Y/N	Depth (m)	Conventional shallow	Specific Design											
																					Y/N/NA
593	505	200+	Y	0-1.0	Y		N		Y	N	N	N	N	N	N	N	N	N	N		
597	642	91-200	N		N		Y	6.5	Y	N	N	N	N	N	N	N	N	N	N	N	
598	561	101-200	N		N		Y	6.5	Y	N	N	N	N	N	N	N	N	N	N	N	
299	562	189	N		N		Y	6.5	Y	N	N	N	N	N	N	N	N	N	N	N	
600	600	108-152	Y	0-0.5	Y		Y	6.5	Y	N	N	N	N	N	N	N	N	N	N	N	
601	600	112-149	Y	0-0.5	Y		Y	6.5	Y	N	N	N	N	N	N	N	N	N	N	N	
602	600	81-200	Y	0-0.5	Y		Y	6.5	Y	N	N	N	N	N	N	N	N	N	N	N	
603	602	122-200	Y	0-0.5	Y		Y	6.0	Y	N	N	N	N	N	N	N	N	N	N	N	
604	600	189	Y	0-0.5	Y		Y	5.0	Y	N	N	N	N	N	N	N	N	N	N	N	
605	580	68-200	Y	0-0.5	Y		Y	4.0	Y	N	N	N	N	N	N	N	N	N	N	N	
606	600	81-200	Y	0-0.5	Y		Y	4.0	Y	N	N	N	N	N	N	N	N	N	N	N	
607	603	150	Y	0-0.8	Y		Y	5.0	Y	N	N	N	N	N	N	N	N	N	N	N	
608	599	190	N		N		Y	5.0	Y	N	N	N	N	N	N	N	N	N	N	N	
609	590	108-200	N		N		Y	4.0	Y	N	N	N	N	N	N	N	N	N	N	N	
610	551	63-200	N		N		Y	4.0	Y	N	N	N	N	N	N	N	N	N	N	N	
611	551	104-200	N		N		Y	3.5	Y	N	N	N	N	N	N	N	N	N	N	N	
612	550	98-200	N		N		Y	3.5	Y	N	N	N	N	N	N	N	N	N	N	N	
613	561	NA	N		N		Y	3.0	Y	N	N	N	N	N	N	N	N	N	N	N	
614	561	200	N		N		Y	2.0	Y	N	N	N	N	N	N	N	N	N	N	N	
615	561	150	Y	0-1.0	Y		Y	2.0	Y	N	N	N	N	N	N	N	N	N	N	N	
616	561	150	Y	0.5-2.0	Y		Y	1.0	Y	N	N	N	N	N	N	N	N	N	N	N	
617	601	150	Y	2.0	Y		Y	2.0	Y	N	N	N	N	N	N	N	N	N	N	N	
618	601	150	Y	2.0	Y		Y	2.0	Y	N	N	N	N	N	N	N	N	N	N	N	
619	601	150	Y	1.0-2.0	Y		Y	1.0-2.0	Y	N	N	N	N	N	N	N	N	N	N	N	
620	600	150	Y	0-1.0	Y		Y	0-1.0	Y	N	N	N	N	N	N	N	N	N	N	N	
621	601	150	Y	1.0-1.5	Y		Y	1.0-1.5	Y	N	N	N	N	N	N	N	N	N	N	N	
622	599	150	Y	1.5	Y		Y	1.5	Y	N	N	N	N	N	N	N	N	N	N	N	

Comments : Building restriction line defined on Lots 600 -603 by services easement



SUMMARY OF GEOTECHNICAL DATA FOR INDIVIDUAL LOTS  
INFRASTRUCTURE DEVELOPMENT CODE

G3  
VERSION 1/1