

Appendix Two

Statement of Professional Opinion as to the Geotechnical Suitability of
Land for Development

Lot Summary Report

SECTION 3

To: The Manager: City Development

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

DEVELOPMENT: The Lakes Residential Subdivision Stages 2A – 2F inclusive

OWNER: Grasshopper Farms Ltd

LOCATION: Tauriko, Tauranga

I Michael William Hughes of S&L Consultants Ltd
(Full Name)

PO Box 231, Tauranga
(Name and Address of Firm)

Hereby confirm that;

- 1) 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.
- 2) An appropriate level of site investigation and construction supervision has been carried out under my direction and is described in my development evaluation dated 17 March 2008.
- 3) In my professional opinion, not to be construed as a guarantee, I consider that;
 - (a) The areas shown in my report dated 17 March 2008 of each new allotment are suitable for the erection thereon of the building types appropriate to the zoning of the land.
 - (b) The earth fills shown on the attached Plan Nos. 18264-AB1 to AB8 inclusive have been placed in accordance with the Code of Practice for Development of the Tauranga City Council.
 - (c) The completed works give due regard to all land slope and foundation stability considerations. Protection bunds are to be maintained at all times on Lots 406, 411, 460, 462 and 463.
 - (d) The filled ground is suitable for the erection thereon of residential buildings not requiring specific design in terms of NZS 3604:1999 and related documents.
 - (e) The original ground not affected by filling is suitable for the erection thereon of residential buildings not requiring specific design in terms of NZS 3604:1999 and related documents except on Lot 453 where additional tests are required at the actual building site.
- 4. This professional opinion is furnished to the Council and the owner for their purpose 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 for any dwelling.

Signed _____

Date 17 March 2008



**SUITABILITY OF LAND
FOR BUILDING DEVELOPMENT**

TAURANGA CITY COUNCIL

Jan 07

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**THE LAKES SUBDIVISION STAGES 2(A) to 2(F) INCL.
TAURIKO, TAURANGA**

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

T.C.C.R.C 1375

File Ref: 18264

| Lot # | Area(m ²) | Subsurface Data | | | | | Natural topography earthworked | | Foundations to NZS 3604:1999 Y/N/NA | Specific Design Y/N/NA | Building line restriction? Y/N | Recommendations/restrictions |
|-------|-----------------------|--------------------|---------------------|-----------|-----------------------------|--------------------------------|---|-----|--|---------------------------|------------------------------------|------------------------------|
| | | Shear Strength kPa | Subdivision Filling | | Natural topography unworked | Natural topography earthworked | Conventional shallow Foundations to NZS 3604:1999 Y/N/NA | | | | | |
| | | | Y/N | Depth (m) | | | | Y/N | | | | |
| 400 | 2142 | 150 | Y | 1-6 | Y | N | | Y | N | N | | |
| 406 | 2023 | 150 | Y | 0-4 | Y | N | | Y | N | N | Bund to remain in place | |
| 411 | 7887 | 150 | Y | 0-4 | Y | N | | Y | N | N | Bund to remain in place | |
| 448 | 5698 | 150 | Y | 0-4 | N | Y | 0-1 | Y | N | Y | | |
| 412 | 19303 | 150 | Y | 0-6 | N | Y | 0-2 | Y | N | Y | | |
| 449 | 590 | 150 | Y | 4-5 | Y | N | | Y | N | Y | | |
| 450 | 1032 | 150 | Y | 0-3 | Y | N | | Y | N | Y | | |
| 451 | 691 | 150 | Y | 0-4 | Y | N | | Y | N | N | | |
| 452 | 662 | 150 | Y | 0-5 | Y | N | | Y | N | N | | |
| 453 | 1582 | NA | N | | N | Y | 0-3 | N | Y | Y | Additional investigations required | |
| 454 | 1180 | NA | N | | N | Y | 0-4 | Y | N | N | | |
| 455 | 1300 | NA | N | | N | Y | 1-5 | | N | N | | |
| 456 | 940 | NA | N | | N | Y | 1-3 | Y | N | N | | |
| 457 | 615 | NA | N | | N | Y | 1-4 | Y | N | N | | |
| 458 | 554 | NA | N | | N | Y | 0-3 | Y | N | N | | |
| 459 | 700 | NA | N | | N | Y | 2-3 | Y | N | N | | |
| 460 | 822 | NA | Y | 0-3 | N | Y | 0-4 | Y | N | N | Bund to remain in place | |
| 461 | 600 | 150 | Y | 0-1 | N | Y | 0-2.5 | Y | N | N | | |
| 462 | 798 | 150 | Y | 0-3 | Y | N | | Y | N | N | | |
| 463 | 620 | 150 | Y | 0-2.5 | N | Y | 0-2 | Y | N | N | Bund to remain in place | |
| 464 | 620 | 150 | Y | 0-2.5 | N | Y | 0-2 | Y | N | N | Bund to remain in place | |
| 465 | 620 | 150 | Y | 0-2.5 | N | Y | 0-1 | Y | N | N | | |
| 466 | 620 | 150 | Y | 0-2.5 | N | Y | 0-1 | Y | N | N | | |

Comments:

Refer to S&L Consultants Ltd report reference 18264 dated 17 March 2008

Lots 400, 406, 411 in Stage 2A, Lot 448 in Stage 2B, Lot 412 in Stage 2C, Lots 449 to 470 inclusive in Stage 2D, Lot 476 in Stage 2E and Lot 499 in Stage 2F

NA - Sand soils, shear strength tests not applicable - refer to Scala penetrometer results

