CIVILTEST ALBURY WODONGA

Soils Engineering Laboratory

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> 13.10.2010 Report No. : 10CT731/19

Arbor Estates Pty Ltd C/o EDM Group P O Box 317 Wodonga, Vic, 3689

Re: Site Classification for proposed residence Lot 19 Silky Oaks Estate Wodonga, Vic, 3690

An investigation was carried out on 2.10.2010 to determine a soil classification for the above site. The site is moderately sloping and lightly grassed. The surface drainage on site is good.

FIELD RESULTS

Materials encountered during the field investigation are described in the attached investigation log and in general consists of fill overlaying silty sands and sandy clays of low to high plasticity.

SITE CLASSIFICATION

Based on the results of the investigation the site has been classified as Class "MD" Moderately Reactive-Deep site in accordance with AS 2870-1996 Residential Slabs and Footings - Site Classification by surface Movement Calculation.

Recommendations for this Site:

The footings of a conventional slab may be designed for a Class "MD" site classification with the external beams founded a minimum of 400mm below existing surface level.

If piers, stumps or strip footings are used on this site they should be founded a minimum of 600mm below existing surface level.

The site should be stripped of all vegetation and topsoil, with any areas of soft, loose or wet material selectively excavated to provide a firm, working base.

The allowable bearing pressure for this site is 125kPa from 400mm in depth.

GENERAL NOTE : FILL MATERIAL

Some building sites may contain areas of fill, which cannot be visually identified at the time of investigation. It is also often difficult to determine fill from natural insitu materials during a site investigation borehole. If fill is encountered during excavation of footings, and it is not described in the field investigation log, further advice must be obtained.

Where controlled (compacted) fill is encountered, the amount of compacted fill allowable is up to 800mm of "sand" fill or 400mm of "other" fill. AS 2870 - 1996 provides details of additional construction requirements for controlled fill sites.

P.C. Vella

CIVILTEST ALBURYWODONGA S Borehole/Trench No: 1

Form CT132/3

SOILS ENGINEERING LABORAT	ORY	

Client: Arbor Estates Pty Ltd Date Logged: 2/10/2010 Investigation For: Site Classification Logged By: PV Location: Lot 19 Silky Oak Estate, Wodonga Checked By: PCV Borehole/Trench Location: Centre of Lot Date: 4/10/2010 Method: Hand Auger Backhoe Drill Rig Other Alignment: 90 ° DEPTH mm MATERIAL DESCRIPTION & CLASSIFICATION MoisTURE CONDITION Consistr. DENSITY INDEX CB SAMPLE TAKEN REMARK: 100 Fine to coarse grained, low plasticity Gravelly Sandy CLAY, brown Fine to coarse grained, low plasticity Gravel to 10mm Moist Medium Dense FILL 000 Clayey SAND, brown Fine to coarse grained, low plasticity Gravel to 10mm Medium plasticity Gravel to 10mm Noist Medium Dense FILL 1000 Sandy CLAY, red-brown Fine to medium grained Medium plasticity Stiff Stiff File to medium grained 1000 Sandy CLAY, red-brown Fine to medium grained Medium plasticity Stiff Stiff Stiff 1800 Sandy CLAY, red-brown Fine to medium grained Medium plasticity Stiff Stiff Stiff 1800 Sandy CLAY, sellow-brown Fine to medium grained Medium plasticity L1-Liquid Limit <t< th=""><th></th><th><u>BATION LOG</u> NO: 10CT731</th><th></th><th></th><th></th><th></th><th>Page : 1 of 1</th><th></th></t<>		<u>BATION LOG</u> NO: 10CT731					Page : 1 of 1		
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