CIVILTEST ALBURY WODONGA

Soils Engineering Laboratory

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13.10.2010

Report No.: 10CT731/1

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

Re: Site Classification for proposed residence

Lot 1 Silky Oaks Estate Wodonga, Vic, 3690

An investigation was carried out on 1.10.2010 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 controlled fill overlaying sandy clays of medium 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 300mm 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 300mm 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

Form CT132/3

Borehole/Trench No: 1

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SOILS ENGINEERING LABORATORY

INVESTIGATION LOG REPORT NO: 10CT731

Vst

- Very Stiff

Client: Arbor Estates Pty Ltd Date Logged: 1/10/2010 Investigation For: Site Classification Logged By: PV

Location: Lot 1 Silky Oak Estate, Wodonga Checked By: PCV Borehole/Trench Location: Centre of Lot Date: 4/10/2010

Alignment:90° Drill Rig Other Hand Auger Backhoe Method:

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DEPTH mm	MATERIAL DESCRIPTION & CLASSIFICATION	MOISTURE CONDITION	CONSIST. DENSITY	CBR *	SAMPLE TAKEN	REMARKS
		N 4 - ' - 1	INDEX			FILL
	Sandy CLAY, brown	Moist	Firm			FILL
	Fine to coarse grained					
	High plasticity					
1100						
	Silty SAND, light grey		Medium			
1300	Fine to coarse grained, low plasticity		Dense			
1300	Sandy CLAY, orange & grey-brown		Stiff			
	Fine to medium grained					
	High plasticity					
1800						
	Sandy CLAY, yellow & grey-brown					
	Fine to medium grained					
	Medium plasticity					
2200						
2200	Bore Terminated at 2.2m					
	<u> </u>					
						

	ISS - Shri	nk Swell Index	LL - Liq	uid Limit	LS - Linear Shrinkage				
DRAINAGE	: -General	Good Fair	Poor	Free Wate	er Swampy Subject to Flooding				
TOPOGRA	PHY:								
-General Flat Undulating Hilly									
-Local		rate Slope Dip	Valley	High Flat	Low Flat Crest Steep Slope				
W	- Water Level	Γ)	-Disturbed S	ample				
<	- Water Inflow	ι	J50	-Undisturbed	Sample 50mm dia				
MD	- Medium Dense	(CBR*	-9kg Scala D	ynamic Cone				
Vst	- Very Stiff	N	ИС	-Moisture Co	ntent Taken				

-Moisture Content Taken