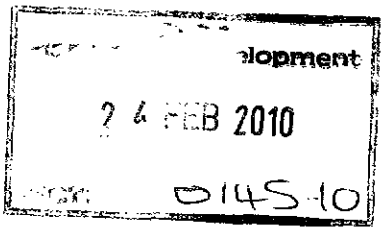
CONDITION 19

Our Ref: DMB/721840/002/DJG

10 December 2007



Hill Residential Limited
Unit 2, Osprey House
Trinity Business Park
Trinity Way
Chingford
London
E4 8TD
For the attention of Mr Steve Kane

Dear Sirs

BARRINGTON GATE, HOLBEACH PE12 7LB – SOAKAWAY TESTS

Following your instruction dated 16 November 2007 to undertake soakaway tests at the above site, in accordance with our proposal ref. DMB/721840/001/DJG, we report our findings as follows:

A total of 5 No. soakaway tests were conducted in trial pits on 27 November 2007. The pits were excavated to depths of up to 2.2m bgl and were 2.0m in length and 1.0m wide, using a mechanical excavator at selected locations across the site (SA1 to SA6).

Ground and Groundwater Conditions

The ground conditions generally comprised between 0.1 – 0.35m of topsoil underlain by silty clay and clayey silt belonging to the Terrington Beds in SA1 and SA3 to SA6. In SA2, Made Ground comprising brown sandy clayey silt with occasional gravel and brick was encountered to a depth of 1.05m below the topsoil, which was in turn underlain by the Terrington Beds deposits.

During excavation of the trial pits, groundwater was struck as follows:

Test Ref.	Struck 1 (m bgl)	Struck 2 (m bgl)	Standing after 2 hrs (m bgl)
SA1	1.2	-	-
SA2	0.6	1.2	1.7
SA3	1.2	-	1.15
SA4	1.1	-	-
SA5	0.9	-	-
SA6	0.85	-	-

Results of Tests

The pits were filled with water in accordance with BRE 365 'Soakaways' and the water levels were monitored with time over the course of the day.

However, water levels remained constant and after several hours the tests were abandoned.

Respond to: 7200 Cambridge Research Park, Cambridge CB25 9TL Tel. 01223 815570 Fax. 01223 815630

The results of the attempted soakaway tests and the nature of the ground and groundwater conditions indicate that traditional soakaways are unlikely to be viable at the site. This supports the initial observation made by MLM CE in their letter dated 07 September 2007.

Other SUDS solutions may be appropriate at the site, such as shallow swales and we recommend that further advice on this is obtained from your drainage engineer.

A plan indicating the test locations and engineer's borehole records are enclosed.

We trust that the above is of assistance, but should you require any further information, please do not hesitate to contact the undersigned.

Yours faithfully

D. J. Gill
Technical Director
Tel: 01223 815600
Email: darren.gill@mlm.uk.com

cc Simon Tucker, MLM Consulting Engineers



LEGEND

SOAKAWAY TEST LOCATIONS

Site Layout
1:500

Environmental, Geotechnical & Waste Management Consultants

Ipswich	Tel: 01473 231100
Cambridge	Tel: 01223 815600
Chelmsford	Tel: 01245 359911
London	Tel: 020 7613 7500
Norwich	Tel: 01603 504340
Ashford	Tel: 01233 502255

MLM
www.mlm.uk.com

Client	HILLS RESIDENTIAL
Project	BARRINGTON GATE SOAKAWAY TESTS
Drawing Title	EXPLORATORY HOLE LOCATION PLAN

Rev	Date	Description	Made	Checked

Status of Drawing:

Drawn	Checked	Approved	Scales	Drawing No.	Rev
HC			NTS	721840/001	
Date DEC 07					