

Ref: 28927L01/mc

10th March 2017

Gladman Developments Ltd Gladman House Alexandria Way Congleton CW12 1LB

For the attention of Mr P Gallagher

Dear Sirs

RE: 124 - 2016 – DOVER ROAD, DEAL, KENT – BOREHOLE AND SOAKAGE TESTING

1. INTRODUCTION

Following the production of a Preliminary Risk Assessment (Report 28927 R01, dated December 2016), RSK Environment Ltd (RSK) were commissioned by Gladman Developments Ltd to undertake a borehole with soakage tests at the development site at Dover Road, Kent. The work was carried out in relation to the proposals for the construction of attenuation basins as a part of the wider development of the site.

This letter report presents the borehole record and the results of the soakage tests.

2. SITE WORKS

2.1 Cable Percussion Borehole

A suitably qualified RSK Engineer supervised the sinking of a single light cable percussive borehole on the 8th February 2017 in the north eastern corner of the plot of land, as shown on the enclosed figure. The investigation and the soil descriptions were carried out in general accordance with BS5930: 2015 - Code of Practice for Ground Investigations.

The ground conditions encountered across the entire site comprise an initial thickness of topsoil, over predominantly cohesive Head deposits, with the Seaford Chalk Formation at depth. Detailed descriptions of the strata encountered is given in the exploratory hole log appended to this letter.

An Insitu falling head permeability test was carried out within the borehole, targeting the Seaford Chalk Formation below the casing generally in accordance with the method described in Kent County Council Soakaway Design Guide. The results of the testing are appended to this letter report and summarised overleaf.



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Borehole No.	Test One	Test Two
BH1	4.05 x 10 ⁻⁶	1.52 x 10 ⁻⁶

These results and recommendations are discussed within RSK Report 881053 R2 (02) FRA dated February 2017.

Please note that in accordance with the Kent County Council Soakaway Design Guide, in order to avoid the risk of instability in the chalk stratum in the vicinity of any structures, the soakaways should be situated within 10m (and definitely not closer than 5m) from building foundations.

We trust that the above comments are acceptable, but if clarification is required, then please contact the undersigned.

Yours faithfully For **RSK Environment Ltd**

Morwenna Corry Senior Geo-environmental Engineer

Svetislav Trajkovski Principal Geotechnical Engineer

Enclosed: Site Plan Borehole Log Soakage Test Results





BOREHOLE LOG

Contract:								Client:				Bore	hole:	
124 Dover Road									Gladman Developments Ltd					BH1
Contract Re	ef:			Start:	08.02	.17	Groun	d Level:		National Grid Co	o-ordinate:	Shee	t:	
	27		End:	08.02	.17		37.61 E:636803.0 N:149626.0					1	of 1	
Depth (m)	ting sults	Backfill	Water		Description of Strata						Material Graphic Legend			
Depth (m)	No	ting sults	Backfill	Water	Soft t (HEA of cha (HEA Reco subra densi Media (SEA Reco subal white (SEA	o firm ligh D DEPOS to firm ligh alk fragme D DEPOS vered as bunded, fii ity and v um flint gr FORD Ch vered as ngular to t.	ht brown si SITS) ht brown s ents. SITS) structurel ine to med white. Occ ravel. HALK FOF structurel rounded HALK FOF	Description of St Ity CLAY with occ silty gravelly CLAN ess CHALK comp lium GRAVEL. Gi casional subangu RMATION) ess CHALK comp GRAVEL. Grave RMATION)	rata asional rootlets. Y. Gravel is fine posed of silty s ravel is extreme ilar to subroun posed of silty, s il is weak, low	subrounded ubangular to ly weak, low ded, fine to density and density and	Depth (Thick ness) (1.00) 1 (1.50) 2.50 2.50 (0.50) 3.00	Material Graphic Legend X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X		

Boring Progress and Water Observations							ing / Slow	Progress	Conoral Romarka			
Date	Time	Borehole Depth	Casing Denth	Borehole Diameter	Water Depth	From	То	Duration (hh:mm)	General	Rema	165	
		Dopui	Deptil		Doptil							
										. <u> </u>		
									All dimensions in metres	Scale:	1:50	
Method Used: Cable Percussion				ıt d: C)ando 2000		Drilled By: M	lark Bass	Logged By: SFoschini	Checked By:	MKR	AGS



