

10 May, 2017

Mr E Newlyn
Rydon Homes Ltd
Rydon House
Forest Row
East Sussex
RH18 5DW

By Email: enewlyn@rydon.co.uk

Dear Mr Newlyn

**LAND SOUTH OF WATER LANE, ANGMERING
WATER LEVEL MONITORING – NOVEMBER 2016 TO MARCH 2017**

Rydon Homes and Gleeson Strategic Land propose to develop an area of land located to the South of Water Lane in Angmering for residential development purposes. The proposed development comprises residential units with private and adopted highways, soft landscaping and associated roads and parking. Idom Merebrook Limited (Merebrook) has been commissioned by Rydon Homes and Gleeson Strategic Land to undertake preliminary site investigation works and to advise on the geo-environmental implications of the redevelopment of the site for the proposed end use.

A Phase 1 (Non-intrusive Investigation) and a Phase 2a (Preliminary Exploratory Investigation) have been undertaken by Merebrook for the subject site. These are presented in Merebrook report reference GEA-19495-16-306revB dated May 2017.

In addition a soakage investigation was undertaken by Southern Testing / ST Consult for the westernmost section of land, report reference '*Soakage Test Report - Weavers Hill, Angmering*' P0791 dated 4 June 2014 which has been provided to Merebrook for review. Relevant information including ground conditions encountered has been included in the GEA report.

A Flood Risk Assessment has also been undertaken by Merebrook, report reference FRA-19495-16-139 R2 dated May 2017. The FRA includes an indicative drainage strategy. In order to assess the potential for infiltration as a disposal method for surface water management, Merebrook installed seven boreholes (MBH01 to MBH07) to a maximum depth of 10 metres below ground level (m bgl) across the southern land parcel. The locations are indicated on drawing 19495-304-003 attached, together with exploratory hole records. Water levels were monitored over the winter period (November 2016 to March 2017) and results are reported below.

Groundwater level monitoring was undertaken on 11 November and 2 December 2016, 16 February and 10 March 2017.

Location	Monitoring Results – depths below ground level (m)							
	11/11/16		02/12/16		16/02/17		10/03/17	
	DTW*	DTB*	DTW	DTB	DTW	DTB	DTW	DTB
MBH01	10.02	10.10	10.00	10.03	10.03	10.08	10.04	10.06
MBH02	DRY	9.98	DRY	9.70	DRY	9.71	DRY	9.69
MBH03	DRY	10.00	DRY	9.86	DRY	9.89	DRY	9.87
MBH04	8.15	9.95	8.02	9.84	7.98	9.78	7.94	9.90
MBH05	7.34	9.99	4.14	9.85	2.83	9.84	3.10	9.83

AN  GROUP COMPANY

Idom Merebrook Ltd Cranford Mills, Mill Lane, Melton, Derbyshire, DE4 3RQ

offices London Kent Derbyshire Cardiff Manchester Stirling

	Monitoring Results – depths below ground level (m)							
	11/11/16		02/12/16		16/02/17		10/03/17	
Location	DTW*	DTB*	DTW	DTB	DTW	DTB	DTW	DTB
MBH06	9.21	9.85	9.07	9.70	8.90	9.69	8.91	9.69
MBH07	DRY	8.45	DRY	8.22	DRY	8.23	DRY	8.22

*DTW – depth to water

*DTB – depth to base

With the exception of MBH05, results were generally consistent (within 0.3 m), however in MBH05 levels ranged from 2.83 m bgl to 7.34 m bgl.

I trust this meets your requirements, however please give me a call with any queries.

Yours sincerely



Siobhan Jackson
For Idom Merebrook Ltd

cc File

enc Drawing 19495-304-003
Exploratory hole records



Legend

Southern parcel boundary

Merebrook cable percussion borehole installed for groundwater level monitoring

First issue	10-05-2017		-
	EMP	SJ	SJ
Issue Details	Dwn	Chd	App'd
Client/Project			
Rydon Homes & Gleeson Strategic Land			
Land South Of Water Lane, Angmering			
Dwg Title			
Approximate Borehole Locations			
Job No.	19495	Dwg No.	304-003
Scale	1:2500	Date	May 2017
Drawn	EMP	Checked	SJ
Revision	-	Frame Dimensions mm	(A3) 400 x 280
Approved	SJ		

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