



AGS Ground Solutions Ltd
Ground Contamination
Foundation Design
Ground Stability
Slope Stability
Mining

Ref: Q-A1839-1

Molica Site Maintenance Ltd
Old Mead House
Old Mead Road
Wick
Littlehampton
West Sussex
BN17 7PU

19th November 2018

FAO: Guiseppe Molica-Franco

**Re: Provisional Investigation Report, Old Mead House (Site 1), Wick,
Littlehampton.**

Dear Mr Molica-Franco,

Further to your recent instruction, we have recently carried out the first phase of investigation into soil infiltration rate at your site known as Old Mead House, in Wick, Littlehampton.

We understand that you require information for the design of soakaways for the disposal of surface water on the site.

In order to establish that the proposed soakaway will not be affected by seasonal changes in groundwater levels, a groundwater monitoring well has been installed on the site. This letter contains details of the installations.

This letter report specifically excludes comment and / or advice relating to contamination and / or contaminated land.

Geology

Reference to the British Geological Survey (BGS) 1:50000 scale mapping for the area, shows that the site is underlain by the Raised Marine Deposits – Clay, Silt, Sand and Gravel (RMB), which is underlain by the Lewes Nodular Chalk Formation (LPCK)

The BGS provides the following descriptions (Contains British Geological Survey materials © NERC 2018):

Raised Marine Deposits – Clay, Silt, Sand and Gravel (RMB)

Description: Raised Marine Deposits - Clay, Silt, Sand And Gravel. Superficial Deposits formed up to 3 million years ago in the Quaternary Period. Local environment previously dominated by shallow seas (U).

Setting: shallow seas (U). These sedimentary deposits are shallow-marine in origin. They are detrital, generally coarse-grained forming beaches and bars in a coastal setting.

Lewes Nodular Chalk Formation (LPCK)

Description: Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation And Portsdown Chalk Formation (undifferentiated) - Chalk. Sedimentary Bedrock formed approximately 72 to 94 million years ago in the Cretaceous Period. Local environment previously dominated by warm chalk seas.

Setting: warm chalk seas. These sedimentary rocks are shallow-marine in origin. They are biogenic and detrital, generally comprising carbonate material (coccoliths), forming distinctive beds of chalk.

Site Walkover Survey

A Walkover Survey was carried out on 13th November 2018.

At the time of the walkover survey the site was rectangle in shape, with access to site via a gravel pathway at the northern boundary, that led from Old Mead Road which ran along the northern boundary of site.

The site comprised of ongoing construction operations, that is spilt between the eastern half that was laid to grass, with the western half being a gravel driveway. On the eastern half of site, the site comprised of several static caravan homes, building materials, a mini sewage plant, and imported sands and gravel. The entire site appeared tidy, well-tended, and organized.

To the north of the site was residential properties and private lands beyond; to the east was residential properties, green houses and roads beyond; to the south was the owner's properties named Old Mead House, a railway line, and further residential properties beyond; and to the west was fields housing solar panels, a railway line, and further residential properties beyond.

The natural ground profile appeared even and level across the site.

Site Investigation

A trial pit was excavated on the site on the 13th November 2018.

TP1 was excavated using a mini type excavator to a depth of 2.50 m.

The trial pit was situated according to the client's specifications, to suit likely positions for the soakaway in the final design.

The Trial Pit Log is attached to this letter.

A plan of the trial pit location is attached to this letter.

Groundwater was encountered at 1.63 m in the trial pit.

Installations

A standpipe piezometer was installed within TP1 at a depth of 2.50 m, using a slotted HDPE standpipe.

Full details of the installation are attached to this letter.

Monitoring

The table below shows details of monitoring readings to date.

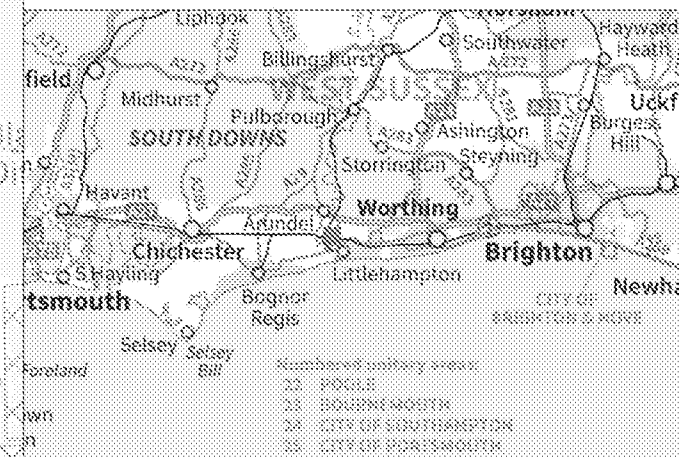
Monitoring Point	Response Zone (m)	Date	Groundwater Depth (m)
TP1	0.50 – 2.50	13/11/2018	1.63
		13/11/2018	2.34
		/12/2018	
		/01/2019	
		/02/2018	

I trust that this information is satisfactory. If you have any queries, or would like any further information, please do not hesitate to contact me on 01209 202 409.

Yours Sincerely,

~~Site Environmental Engineer~~
AGS Ground Solutions Ltd

Encs.
Site Location Plan
Exploratory Hole Location Plan
Trial Pits Logs
Percolation Test Results



Project				Old Mead House
Project Number				A1839-1
Location				Wick, Littlehampton
Client				Molica Site Maintenance Ltd
Drawing Title				Site Location Plan
Drawing Number	Revision	Date	Approximate Scale	
A1839-01	1	19/11/2018	1:10000 @ A4	

Key



Site Boundary

0 100 200 300 400 500 m



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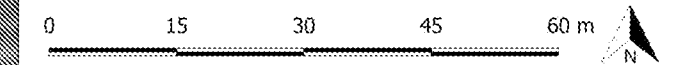
www.agsgroundolutions.com
01209 202 409



Project		Old Mead House	
Project Number		A1839-1	
Location		Wick, Littlehampton	
Client		Molica Site Maintenance Ltd	
Drawing Title		Exploratory Hole Location Plan	
Drawing Number	Revision	Date	Approximate Scale
A1839-1-02	1	19/11/2018	1:890 @ A4

Key

 Site Boundary  Approximate Trial Pit Locations



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AGS Ground Solutions Ltd

Hole ID: TP1

Installation Details & Readings

1 of 1

Equipment and Support Used: N

Job No:
A1839

Client: Galsopp Medical Products

Co-ordinates:
E:
N:

Ground Level (m):

Date Started: 13/11/2018
Date Completed: 13/11/2018

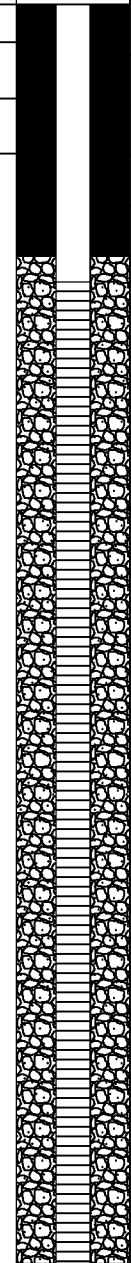
Installation Date : 13/11/2018 Depth to TOP Response Zone : 0.5 (m)
Installation Type : SP Depth to BASE Response Zone : 2.5 (m)

Installation
Diagram

Depth Related
Remarks
(Elevation)

Readings

Date	Time	Depth to Water (b.e.g.l) (m)	Head of Water Above Tip (m)	Remarks
13:11:2018	10:18	1.63		
13:11:2018	14:34	2.34		



Bentonite Seal

0.5 (-0.50)

Slotted standpipe
with backfill
surround

End of Hole 2.50 m

(-2.50)

Compiled By: AW
Checked By:
Scale: 1:12.5
Approved By:
FIG No.