



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: Proposed Investigation Report, Land to East of Torri House (Site 2), Old Mead Road, Wick, Littlehampton.

Dear Mr Molica-Franco,

Further to your recent instruction, we have recently carried out the first phase of an 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.

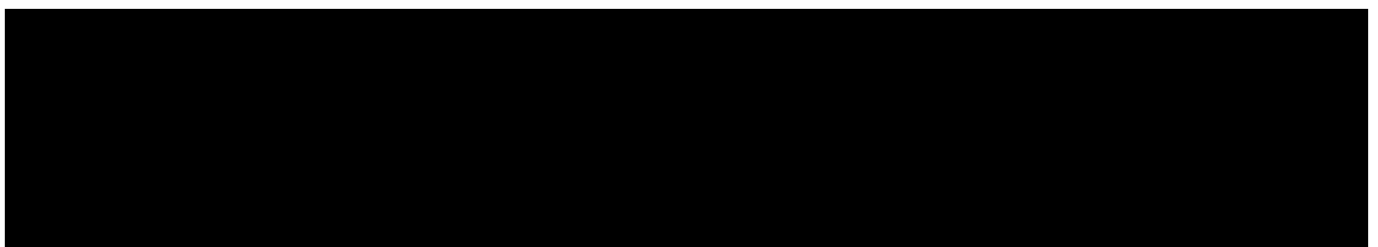
The purpose of the site investigation was to establish an (f) value for use in chamber type soakaway design calculations.

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 locked metal gate at the northern boundary, that led from Old Mead Road which ran along the northern boundary of site.

The site was laid to overgrown vegetation and abandoned man-made materials. The site was boarded by overgrown hedges and metal fencing. An electricity pylon was situated in the middle of the site, with wires running north-east to south-west. Boarding the northern and eastern sides of the site is a ditch partially filled with water.

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

TP2 was excavated using a mini type excavator to a depth of 3.50 m.

The trial pit was situated according to the client's specifications, to suit likely positions for 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 2.37 m in the trial pit.

Installations

A standpipe piezometer was installed within TP2 at a depth of 3.50 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)
TP2	0.50 – 3.50	13/11/2018	2.37
		/12/2018	
		/01/2019	
		/02/2019	

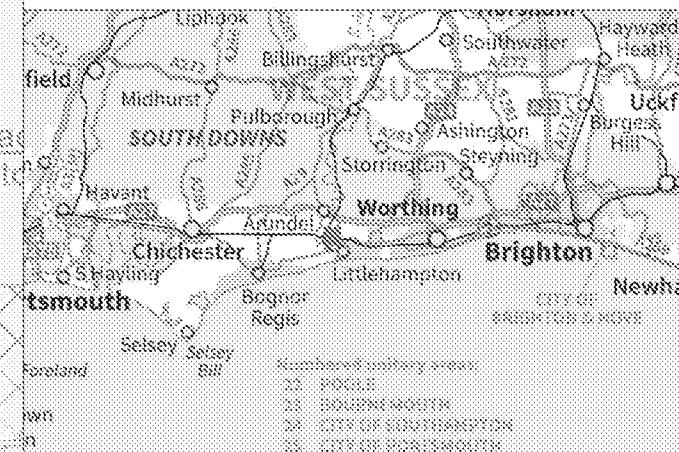
I trust that this information is satisfactory. If you have any queries, or would like any further information, please do not hesitate to contact me on 01209 202 409.

[Redacted Signature]

Chloe Sheppard-Muir MGeol (Hons) FGS
Geo-Environmental Engineer
AGS Ground Solutions Ltd



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



Project Land to east of Torri House (Site 2)

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

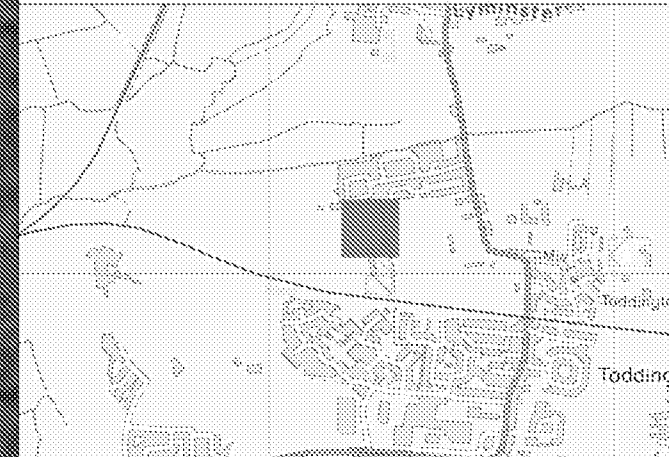
Key

 Site Boundary

0 100 200 300 400 500 m



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Project	Land to east of Torri House (Site 2)		
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	1:820 @ A4

Key	
	Site Boundary
	Approximate Trial Pit Locations

0 15 30 45 m



AGS Ground
Solutions LtdEquipment & Method
Pit Dimensions
Support Used:

Job No:

A1839

Co-ordinates:
E:
N:

Date Started: 13/11/2018

Date Completed: 13/11/2018

Samples and In situ Testing

Samples and In situ Testing				Field Records	DESCRIPTION	Reduced Level (m)	Legend	Depth (Thick) (m)
Depth (m)	No.	Type	Result					
0.20	TP2	D			MADE GROUND: Dark brown gravelly topsoil with occasional cobbles and multiple roots. Gravel is medium to coarse, angular to subangular chert. (Made Ground)	-0.25		(0.25)
0.35	TP2	D			MADE GROUND: Orange / brown sandy gravelly clay with occasional coarse angular gravel. Gravel is chert and white / beige chalk. Inclusions of red brick and tiles. (Made Ground)			0.25
					...from 1.20 Increasing in clay with depth.			(1.25)
1.55	TP2	D			Stiff grey / brown gravelly CLAY with occasional coarse angular gravel, and rare cobbles. (Raised Marine Deposits)	-1.50		1.50
2.00	TP2	D						
								(2.00)
						-3.50		3.50
						End of Trial Pit 3.50 m (Thickness of basal layer not proven)		

Remarks:

Logged By:

CS

Checked By:

Scale:
1:25

Approved By:

FIG No.

