



# **FACTUAL REPORT**

**OF**

## **TRIAL PIT & BOREHOLE**

### **INVESTIGATION**

**AT** 9 St Helier Drive, Barnsley S75 2HD

**ON** 13 July 2012

**FOR** B Maule & Co Ltd

**YOUR REF.** 20129573- Ref: Howe

**OUR REF.** G12148

We trust that you will find the results of this investigation satisfactory and we would be pleased to provide any further assistance you may require with this matter.

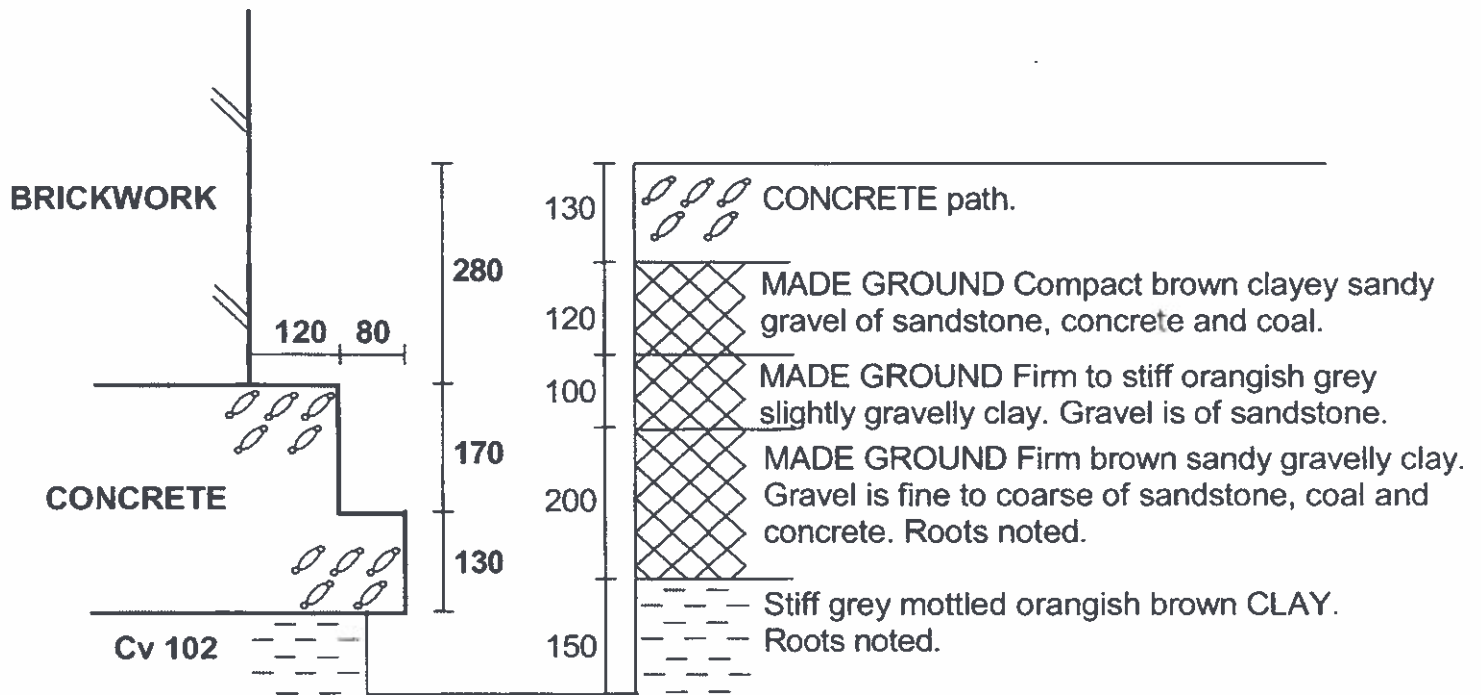
Yours faithfully



**Jack Harper BSc(Hons)  
Engineering Geologist**



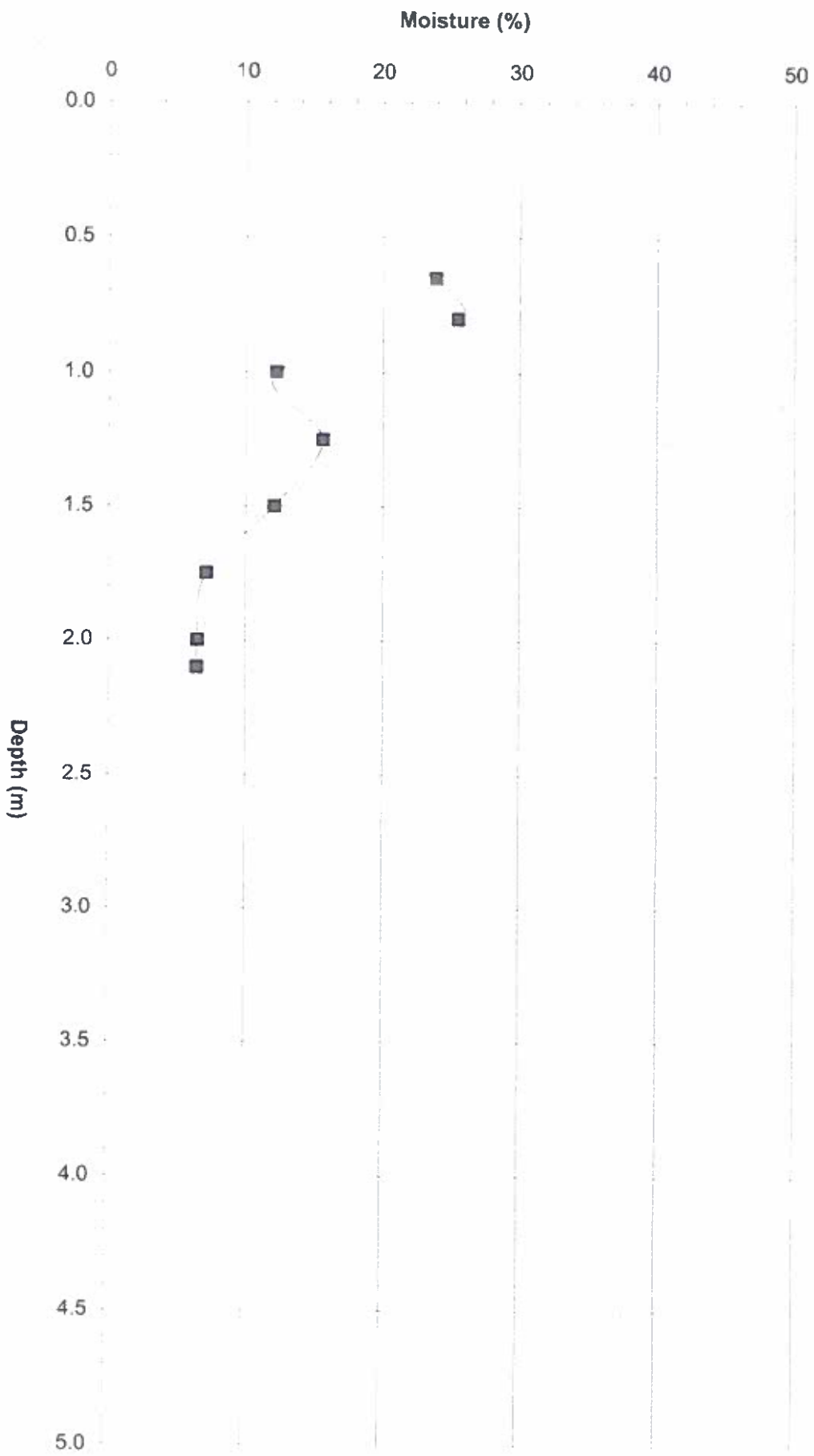
**Ross Nicolson BSc(Hons) MSc(Eng) CEng MIMM  
Geotechnical Engineer**



Base of foundation at 0.59m.

Trial pit remained stable and dry on completion.

For strata below 0.70m see BH1 log.



Moisture / depth profile BH1  
G12148

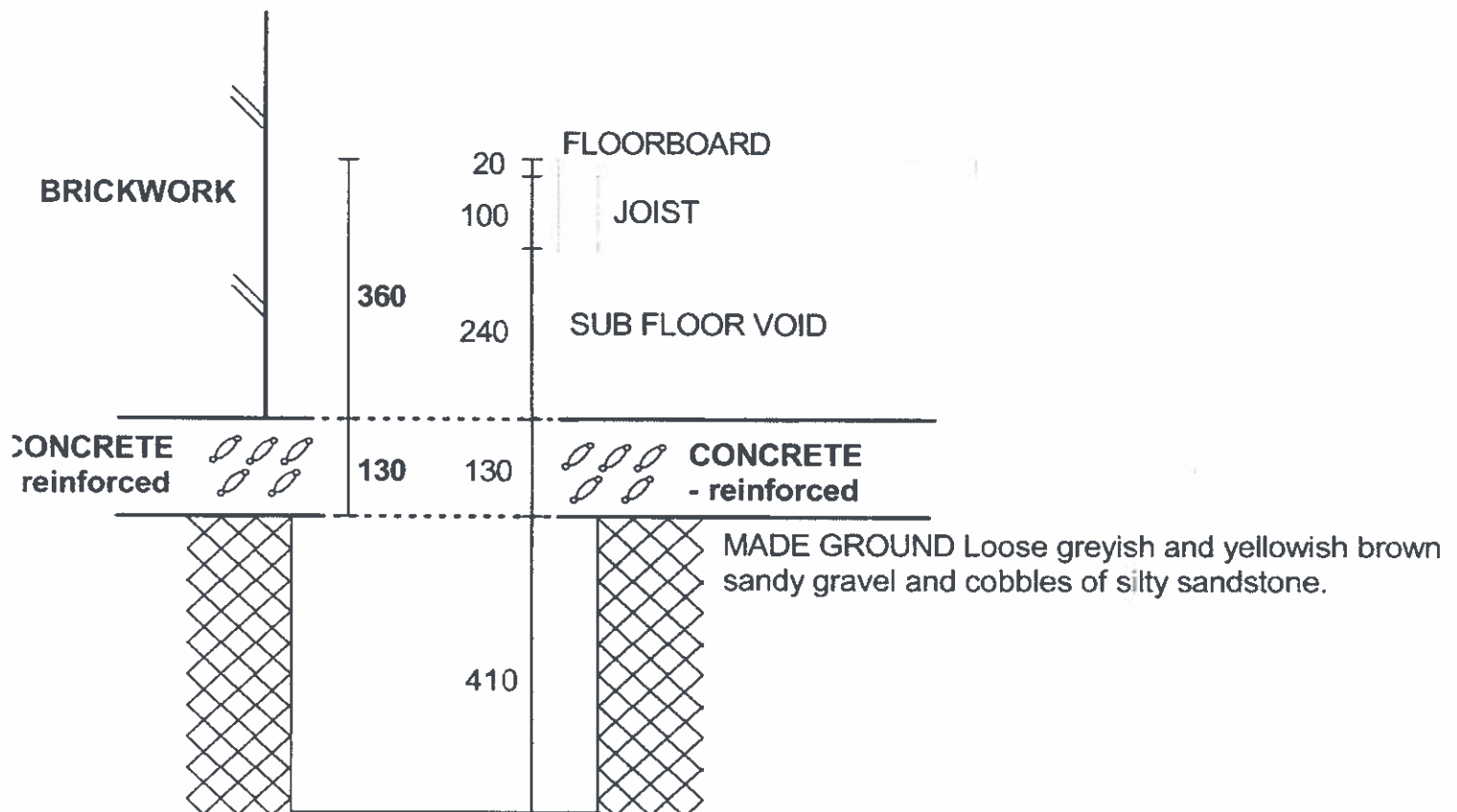
OUR REF: G12148

YOUR REF: 20129573

TRIAL PIT: 2

DATE: 13/07/12

LOCATION: 9 St Helier Drive, Barnsley S75 2HD

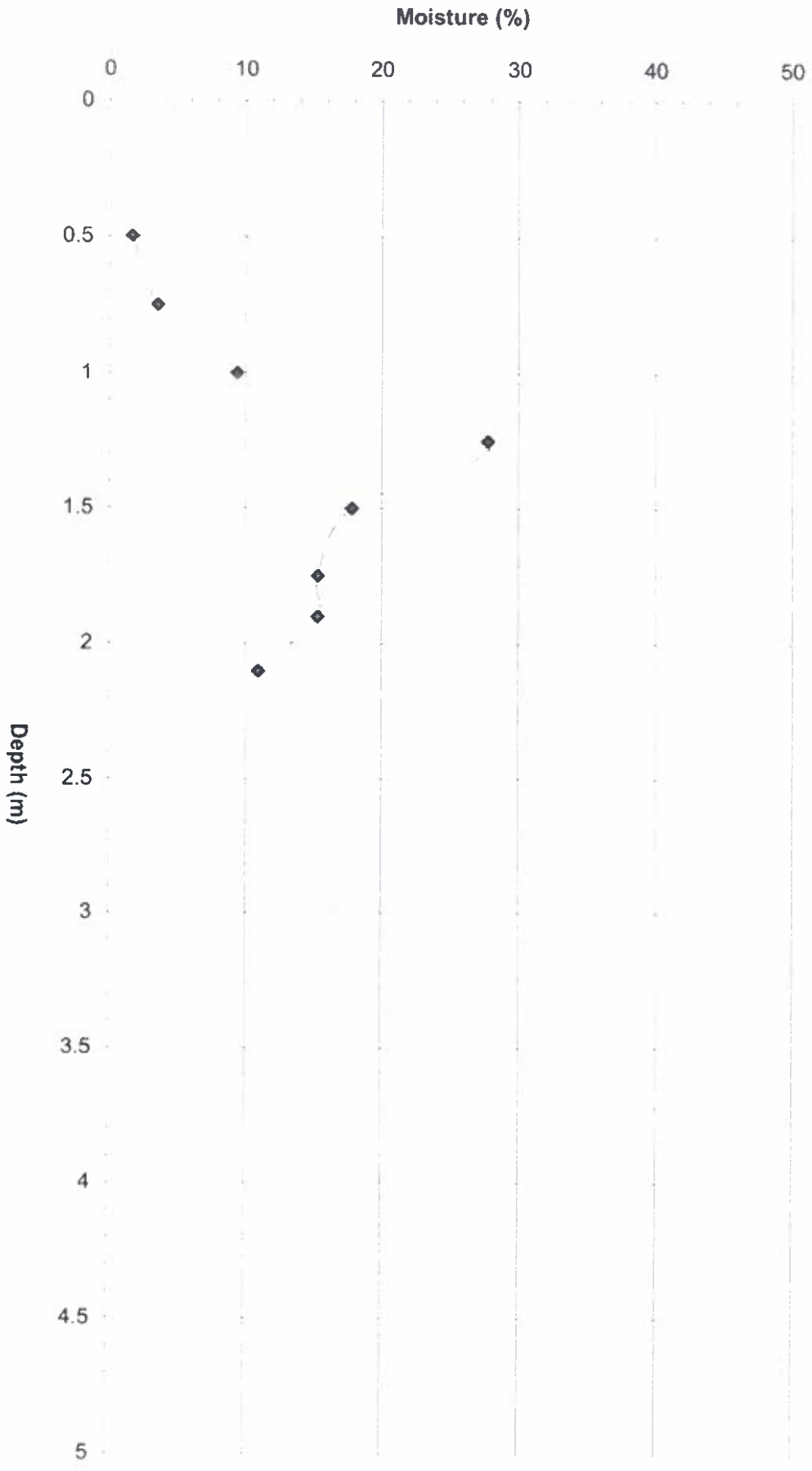


Base of foundation at 0.49m.

Trial pit remained stable and dry on completion.

For strata below 0.90m see BH2 log.

*NB - Access was restricted below concrete due to rebar mesh.*

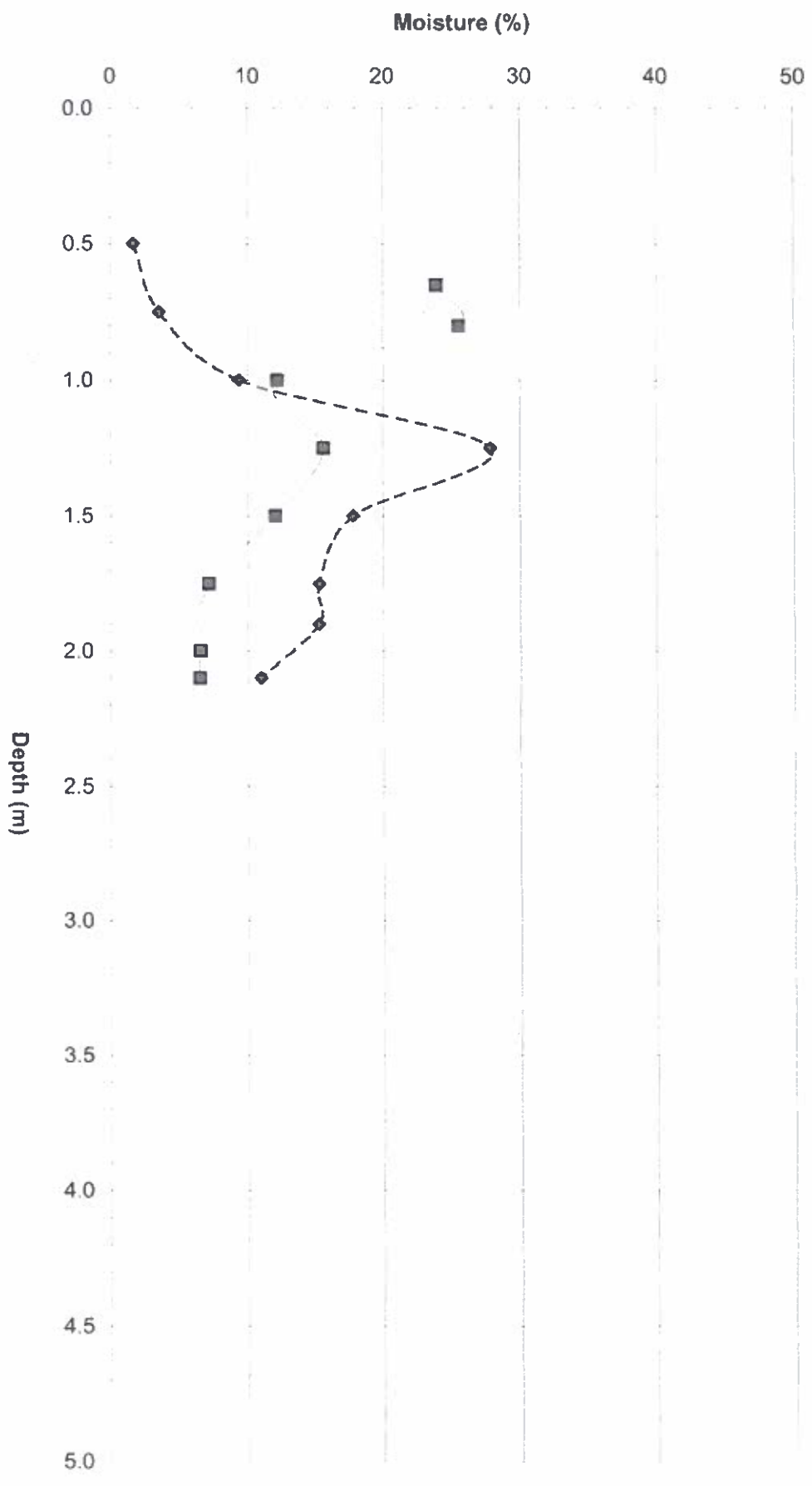


Moisture / depth profile BH 2  
G12148

Moisture / depth profile

G12148

■ BH 1 - ◆ - BH 2



## Atterberg Limit Test Results

Our ref. G12148  
Your ref. 20129573

**Table 1**  
**Location: 9 St Helier Drive, Barnsley S75 2HD**

TP / BH No.	Sample Depth (m)	In situ Moisture Content (%)	% Passing BS 425 Micron Sieve	Corrected Moisture Content (%)	Plastic Limit (%)	Liquid Limit (%)	Plasticity Index (%)	Soil Classification BS5930 [1999]
1	0.65	23.8	>95	23.8	21.5	58.8	37.3	CH
	0.80	25.5						
	1.00	12.2	>95	12.2	21.4	51.0	29.6	CH
	1.25	15.6						
	1.50	12.0						
	1.75	7.1						
	2.00	6.5						
	2.10	6.4						
2	0.50	1.7						
	0.75	3.5						
	1.00	9.3						
	1.25	27.8	>95	27.8	24.7	65.5	40.8	CH
	1.50	17.8						
	1.75	15.3						
	1.90	15.3	>95	15.3	15.8	46.6	30.8	CI
	2.10	10.9						

# GEOINVESTIGATE LTD

## Photographs

Our Ref: G12148

Your Ref: 20129573

Location: 9 St Helier Drive, Barnsley S75 2HD

**Photo 1** – View of TP/BH1 position.



**Photo 2** – Close up of footing in TP/BH1.



**Photo 3** – View of TP/BH2 position.



**Photo 4** – Close up of TP/BH2.

