

Site: Ty Hanner, Old Road, Polbathic, Cornwall, PL11 3EX
Project Reference: GCL24544_GIR
Client: Alexander Thomas on behalf of Clare Christine Thomas
Date: 28-02-2024

Dear Mr Thomas,

In accordance with your request GCL visited the site known as Ty Hanner, Old Road, Polbathic, Cornwall, PL11 3EX, on the 26th February 2024 to undertake a number of percolation tests for foul drainage design. Three (3 No.) trial pits were excavated by Steve Clements with a 1-tonne excavator. In accordance with BS 6297:2007+A1:2008, a 300mm x 300mm x 300mm pit was excavated in the base of Trial Pits TP01 and TP02, using insulated hand tools. Water was delivered to the pit via a conventional garden hose, however drainage was too quick, therefore 25ltr water barrels were used.

Rapid drainage was observed in Trial Pits TP01 and TP02, in particular within the weathered mudstone in TP01. Given the shallow depth of mudstone in TP03, the decision was taken not to attempt a percolation test within this exploratory hole.

An average Vp value of 0.89 was calculated for TP01, and 7.86 for TP02. Given that conventional foul drainage should only be considered for ground conditions with a vP value of between 15 and 100, the site is not considered suitable. This was discussed with both the contractor (Steve Clements) and the Client, at the time.

We hope you find the above in order,

Yours faithfully


Dan Jobson
Managing Director
Ground Consultants Limited

Enclosed

- Site Location Plan
- Exploratory Hole Location Plan
- Trial Pit Logs
- Percolation Test Results

Tel: 01209 822922 | 07708 485373

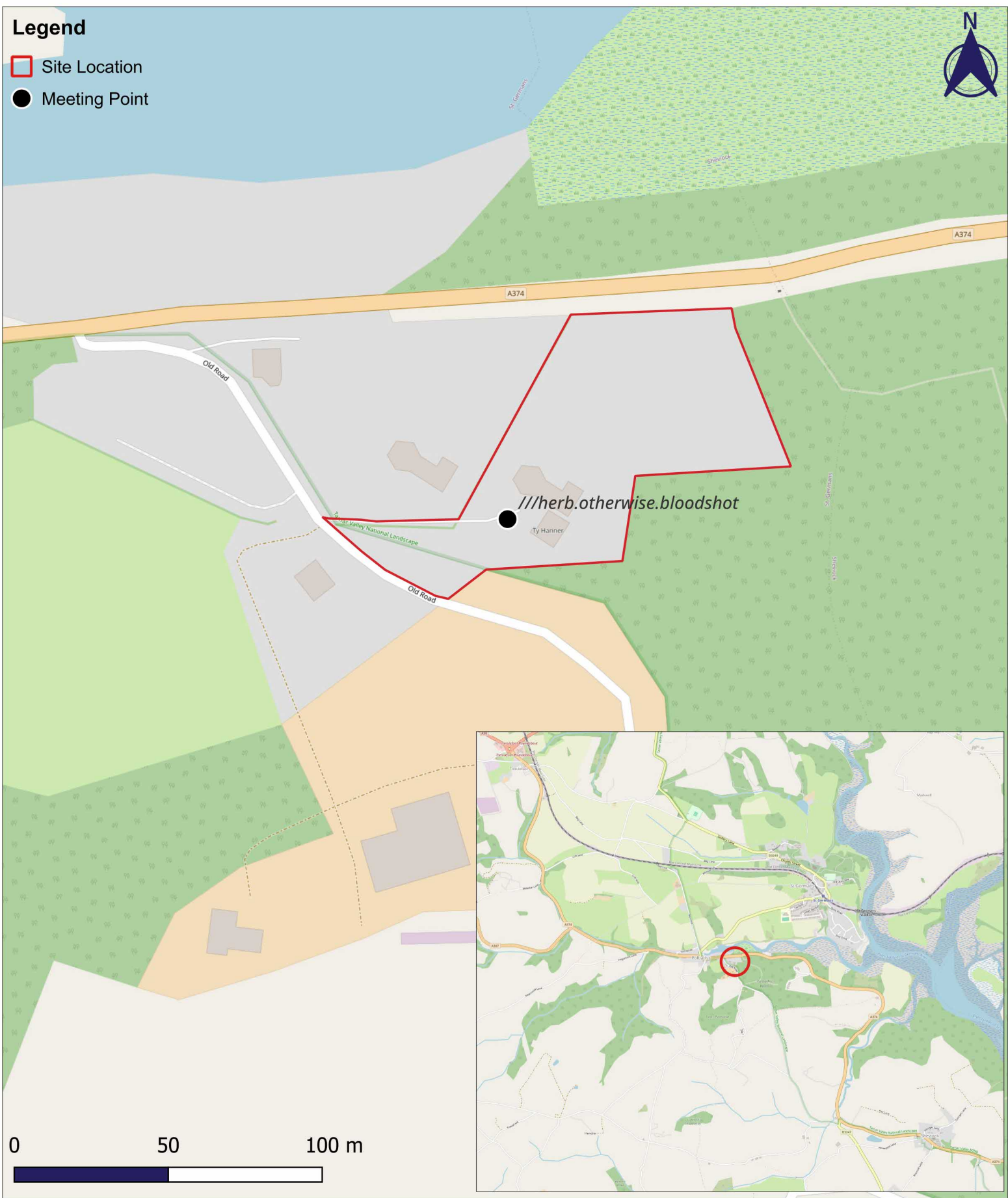
Head Office: Unit 67, Clear Space, Dunveth Business Park, West Hill, Wadebridge PL27 7FE

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Registered in England Number: 13561213 | VAT Number 388935134

Legend

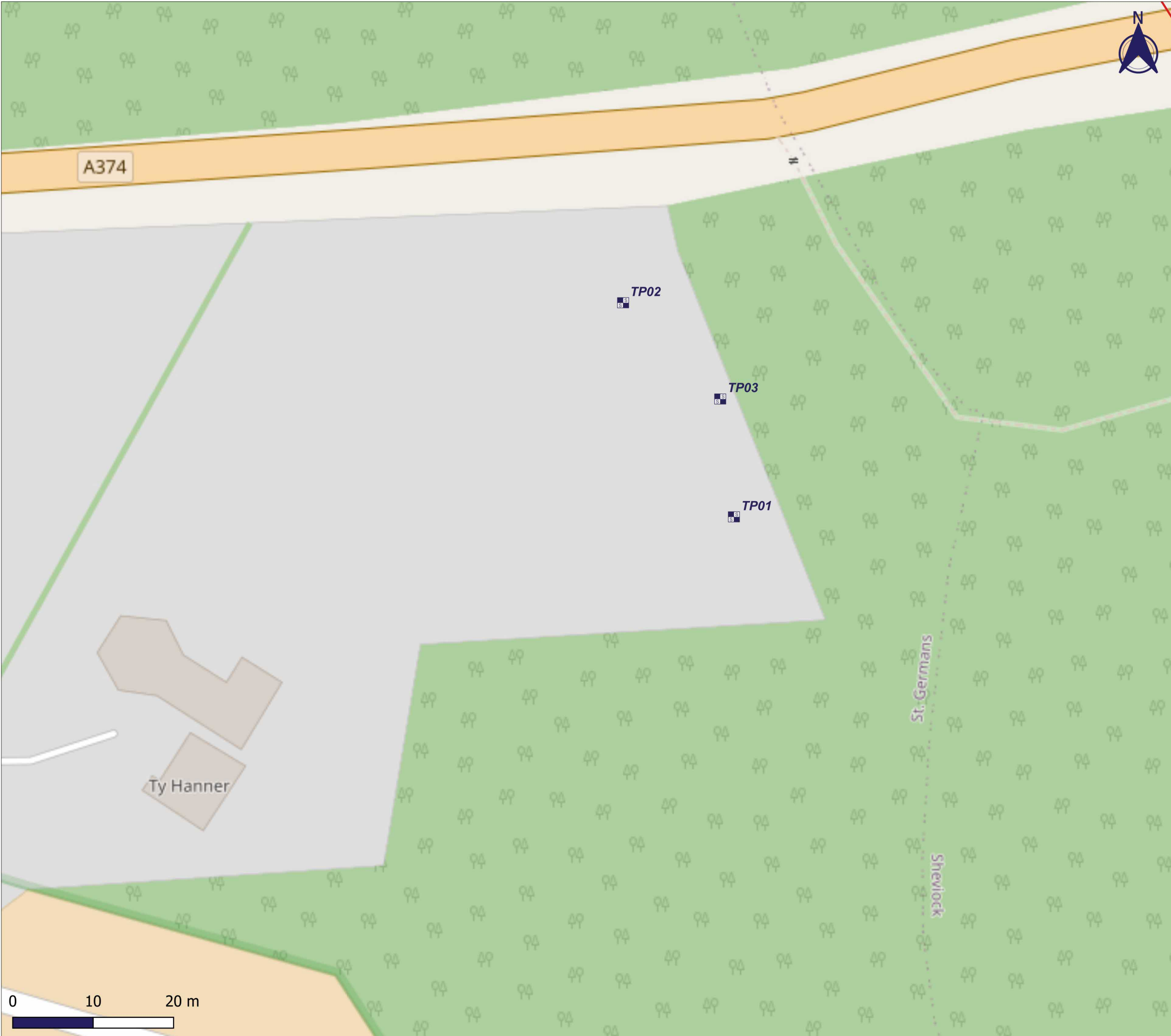
- Site Location
- Meeting Point



Client:	
Project:	Ty Hanner, Old Road, Polbathic, Torpoint, Cornwall, PL11 3EX
Project No:	GCL23544_GIR
Drawing Title:	Site Location Plan
Figure:	2.1



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Legend

Trial Pit

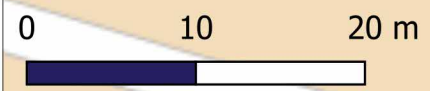


Client:	Clare Christine Thomas
Project:	Ty Hanner, Old Road, Polbathic, Cornwall, PL11 3EX
Project No:	23544
Drawing Title:	Exploratory Hole Location Plan
Figure:	3.1
Date:	28/02/2024



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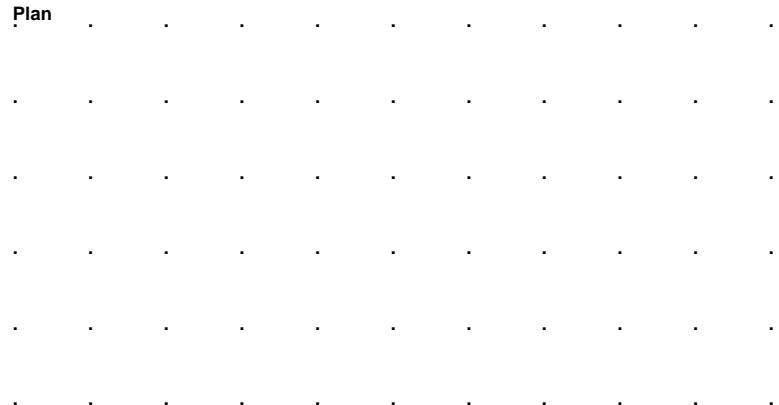
Machine : 1 Tonne Method : Trial Pit	Dimensions 2.00 x 2.00	Ground Level (mOD)	Client Alexander Thomas on Behalf of Clare Christine Thomas	Job Number 23544
	Location	Dates 26/02/2024	Project Contractor Steve Clements	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.40)	Grass over brown gravelly silt TOPSOIL. Gravel is angular mudstone.		
					0.40 (0.25)	Firm yellowish brown gravelly CLAY. Gravel is angular fine to coarse mudstone.		
					0.65 (0.30)	Highly weathered mudstone bedrock recovered as flat angular slate GRAVEL.		
					0.95	Complete at 0.95m		

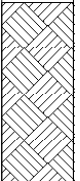


Plan 	Remarks Percolation test completed in base of hole. Pit advanced via hand tools for the final 300mm.		
	Scale (approx) 1:20	Logged By DJ	Figure No. 23544.TP01

Machine : 1 Tonne Method : Trial Pit	Dimensions 2.00 x 2.00	Ground Level (mOD)	Client Alexander Thomas on Behalf of Clare Christine Thomas	Job Number 23544
	Location	Dates 26/02/2024	Project Contractor Steve Clements	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					0.60	Grass over brown gravelly silt TOPSOIL. Gravel is angular mudstone.		
					0.60	Firm yellowish brown gravelly CLAY. Gravel is angular fine to coarse mudstone.		
					1.30	Complete at 1.30m		

Plan 	Remarks		
	Percolation test completed in base of hole. Pit advanced via hand tools for the final 300mm.		
	Scale (approx) 1:20	Logged By DJ	Figure No. 23544.TP02

Machine : 1 Tonne Method : Trial Pit	Dimensions 2.00 x 2.00	Ground Level (mOD)	Client Alexander Thomas on Behalf of Clare Christine Thomas	Job Number 23544
	Location	Dates 26/02/2024	Project Contractor Steve Clements	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
					(0.50)	Grass over brown gravelly silt TOPSOIL. Gravel is angular mudstone.		
					0.50 (0.10)	Firm yellowish brown gravelly CLAY. Gravel is angular fine to coarse mudstone.		
					0.60 (0.10)	Highly weathered mudstone bedrock recovered as flat angular slate GRAVEL.		
					0.70	Complete at 0.70m		

Plan .	Remarks 	
		Scale (approx) 1:20

Percolation Test Sheet

Job Number: GCL23544_GIR

Job Name: Ty Hanner, Old Road, Polbathic, Cornwall, PL11 3EX

Hole No.	Test Date	Test No.	Start Time	Finish Time	Elapsed Time			Vp (s/mm)
					Hours/minutes (h/mins)	Minutes (mins)	Seconds (s)	Seconds divided by 150mm
TP01	26/02/2024	1			0	2	01	0.80
	26/02/2024	2			0	2	19	0.92
	26/02/2024	3			0	2	23	0.95
Average Vp for Hole TP01								0.89
TP02	26/02/2024	1			0	14	0	5.6
	26/02/2024	2			0	21	0	8.4
	26/02/2024	3			0	24	0	9.6
Average Vp for Hole TP02								7.86

In accordance with BS 6297:2007+A1:2008