

Subsidence Investigation Report



**61 Lodge Lane
Hassocks
BN6 8LX**

Survey Date: 7th May 2024

Client: Crawfords
Client Claim Reference: SU2103539
Catalyst Claim Number: 128527

Registered address

Catalyst Services UK Ltd,
Gatehead Business Park,
Delph New Road, Oldham. OL3 5DE

Registered in England and Wales No: 09166356

Catalyst Services UK Ltd is authorised and regulated by the Financial Conduct Authority. (942818)

Drains | Water Supply Pipe | Septic Tanks
Subsidence | Leak Detection | Home Emergency

0800 870 8080 | info@catalystservicesuk.com
www.catalystservicesuk.com

Description of Risk Address

Detached house.

Area of Concern

Trial pit locations provided by client.

Circumstances

We were asked to perform investigations in relation to reported subsidence.

Works Completed

- Excavated 3 no. trial pits and 2 no. boreholes.
- Completed Shear Vane testing.

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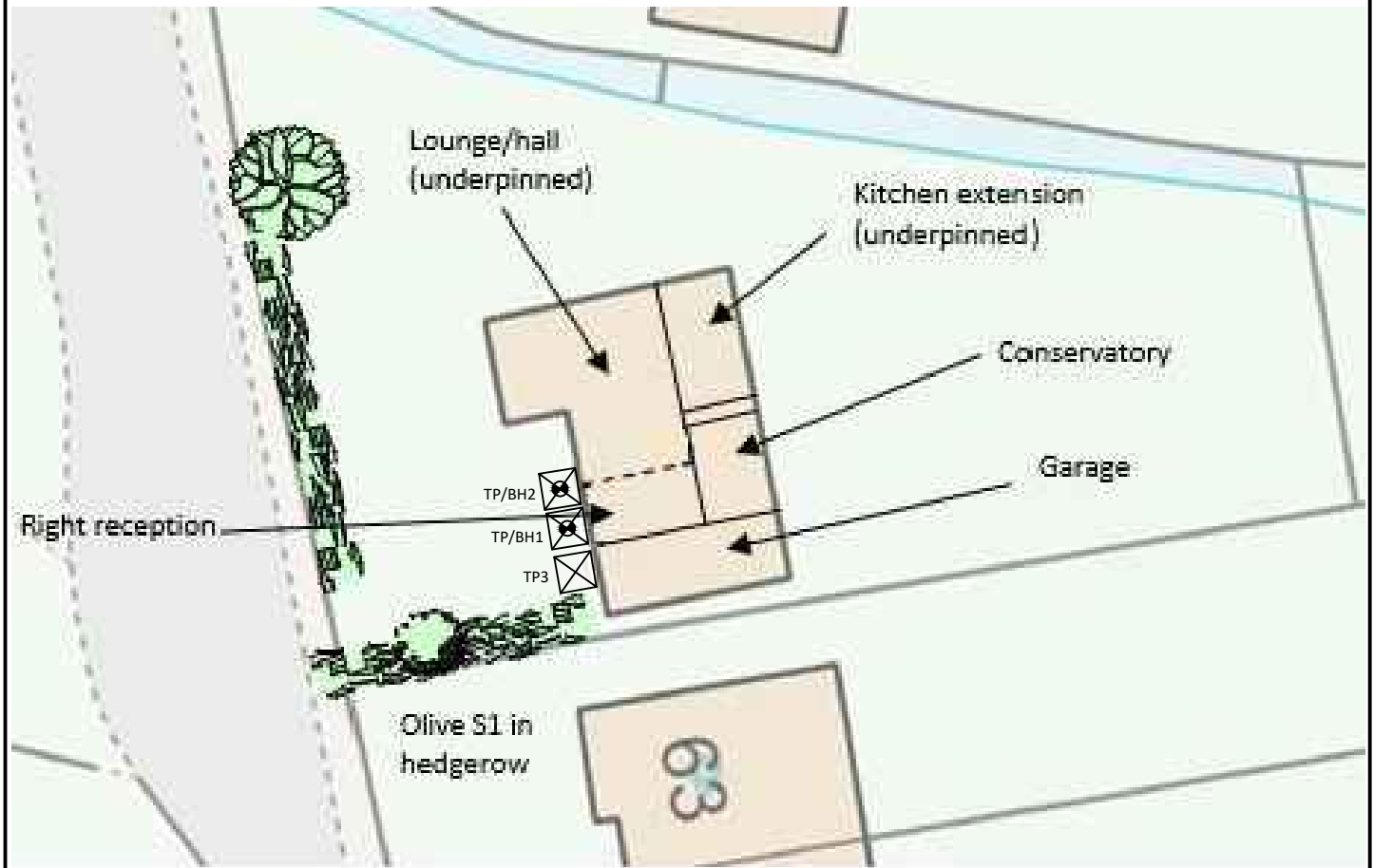
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	Site:			Client:		Identification:
	61 Lodge Lane, Hassocks, BN6 8LX			Catalyst Services UK		
	Contract Number:	Date:	Logged By:	Checked by:	Drawn by:	Sheet 1 of 1
Sketch Site Plan	13602	07.05.24	CWE	MCE	DJE	
	Easting:	Northing:	Ground Level:	Plan:	Weather:	Scale:
	ND	ND	ND	ND	Dry	
NTS						

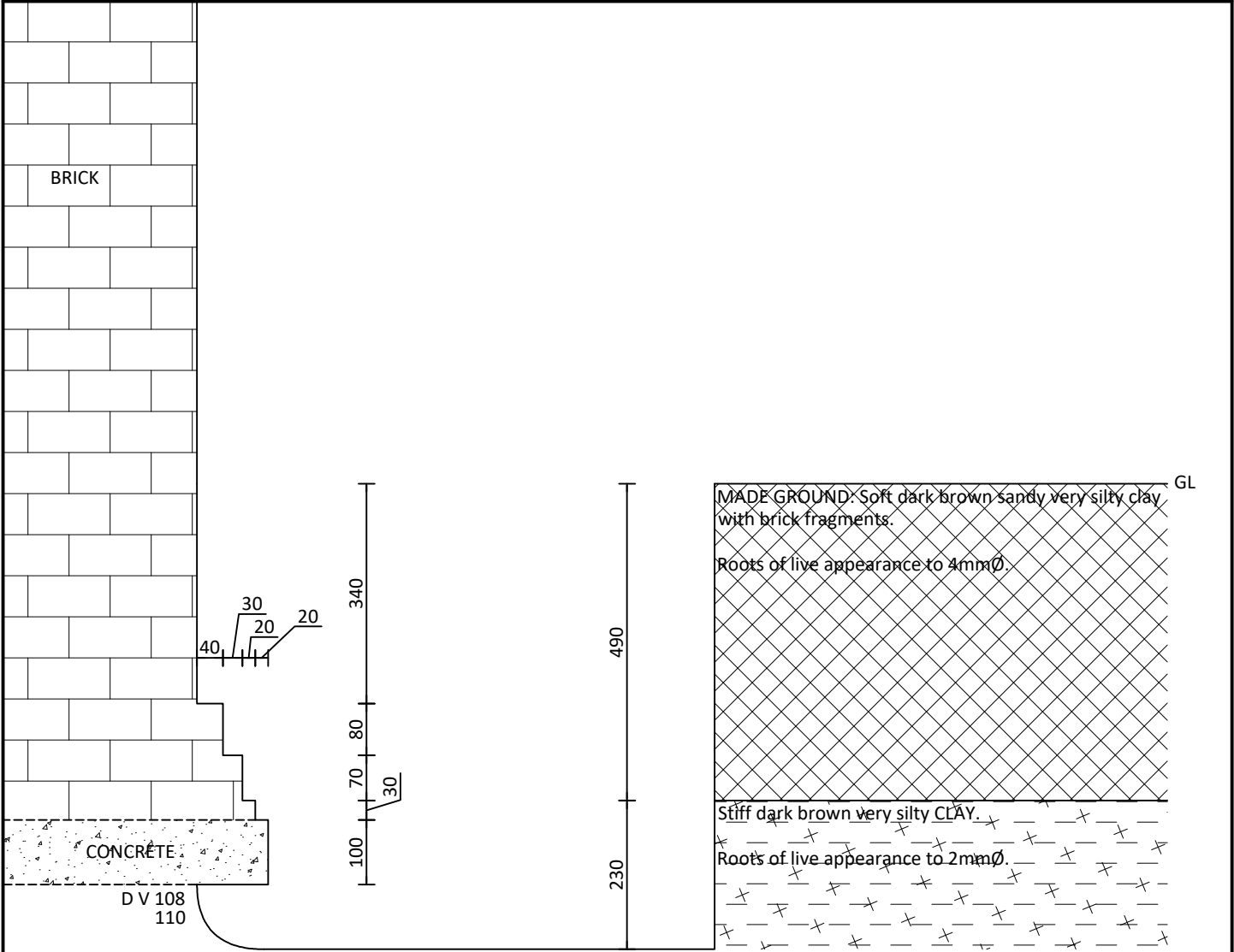


Remarks: On site tree identification for guidance only. Not authenticated.
All dimension in metres unless stated otherwise.

Key:

ND	NTS		TP/BH		TP
No Data	Not to Scale	Trial Pit & Borehole		Trial Pit	

	Site:			Client:		Identification
	61 Lodge Lane, Hassocks, BN6 8LX			Catalyst Services UK		
	Contract Number:	Date:	Logged By:	Checked by:	Drawn by:	Sheet 1 of 1
	13602	07.05.24	CWE	MCE	DJE	
Trial Pit/Borehole Log	Easting:	Northing:	Ground Level:	Excavation Method:	Weather:	Scale:
	ND	ND	ND	Hand Tools	Dry	NTS



BRICK

CONCRETE

D V 108
110

340
80
70
100
30
20
20
40

490
230

MADE GROUND: Soft dark brown sandy very silty clay with brick fragments.
Roots of live appearance to 4mmØ.

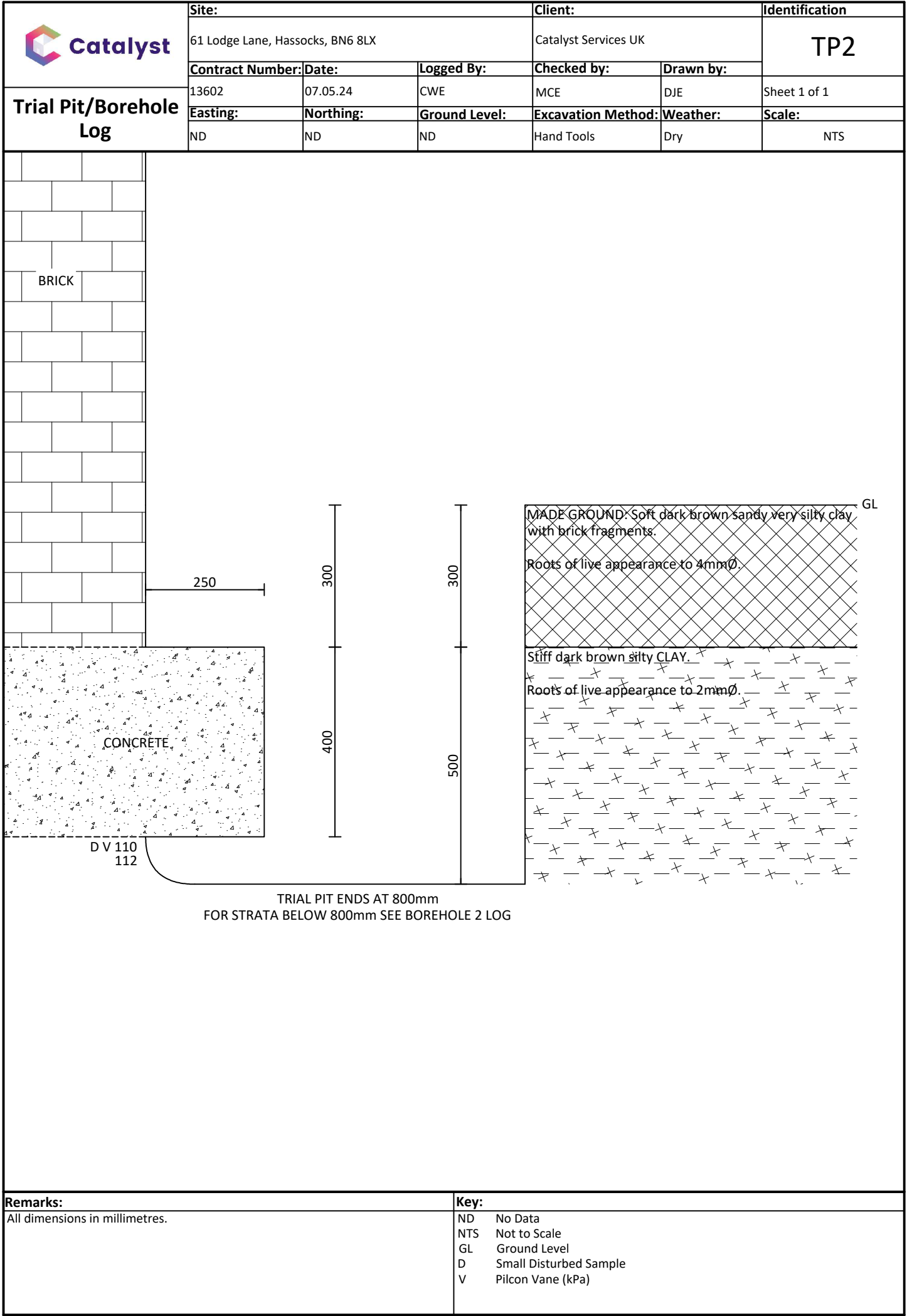
GL

Stiff dark brown very silty CLAY.
Roots of live appearance to 2mmØ.

TRIAL PIT ENDS AT 690mm
FOR STRATA BELOW 690mm SEE BOREHOLE 1 LOG

Remarks:	Key:
Third brick corbel in poor condition. All dimensions in millimetres.	ND No Data NTS Not to Scale GL Ground Level D Small Disturbed Sample V Pilcon Vane (kPa)

 Catalyst			Site:				Client:			Identification				
			61 Lodge Lane, Hassocks, BN6 8LX				Catalyst Services UK							
			Contract Number:		Date:		Logged By:		Checked by:		Drawn by:			
			13602		07.05.24		CWE		MCE		DJE			
Borehole Log			Easting:		Northing:		Ground Level:		Plant Used:		Weather:		Scale:	
			ND		ND		ND		Hand Auger		Dry		NTS	
Samples & In Situ Testing			Strata Details							Roots and Groundwater				
Depth (m)	Sample	Test Result	Depth (m)	Thickness (m)	Legend	Strata Description					Roots Information	Groundwater (m)		
GL			GL											
0.50	D	V 140+ 140+	0.69	0.69		AS TP1					Roots of live appearance to 2mmØ to 1.50m. No roots observed below 1.50m.			
1.00	D	V 140+ 140+	1.51	1.51		Very stiff brown very silty CLAY.								
1.50	D	V 140+ 140+	2.20	2.20		Very stiff dark grey very silty CLAY.								
2.00	D	V 140+ 140+	3.00	3.00		BOREHOLE ENDS AT 3.00m								
2.50	D	V 140+ 140+												
3.00	D	V 140+ 140+												
Remarks:						Key:								
Borehole 'dry' on completion.						ND No Data V Pilcon Vane (KPa)								
Borehole 'open' on completion.						NTS Not to Scale								
						GL Ground Level								
						D Small Disturbed Sample								



 Catalyst			Site:				Client:			Identification				
			61 Lodge Lane, Hassocks, BN6 8LX				Catalyst Services UK							
			Contract Number:		Date:		Logged By:		Checked by:		Drawn by:			
			13602		07.05.24		CWE		MCE		DJE			
Borehole Log			Easting:		Northing:		Ground Level:		Plant Used:		Weather:		Scale:	
			ND		ND		ND		Hand Auger		Dry		NTS	
Samples & In Situ Testing			Strata Details							Roots and Groundwater				
Depth (m)	Sample	Test Result	Depth (m)	Thickness (m)	Legend	Strata Description					Roots Information	Groundwater (m)		
GL			GL											
				0.80		AS TP2								
1.00	D	V 140+ 140+	0.80								Roots of live appearance to 2mmØ to 2.20m.			
1.50	D	V 140+ 140+		1.51		Very stiff dark grey very silty CLAY.								
2.00	D	V 140+ 140+									No roots observed below 2.20m.			
2.50	D	V 140+ 140+	2.20			Very stiff fragmented dark grey very silty CLAY.								
3.00	D	V 140+ 140+		0.80										
			3.00			BOREHOLE ENDS AT 3.00m								
Remarks:												Key:		
Borehole 'dry' on completion. All dimensions in metres.												ND No Data V Pilcon Vane (KPa)		
Borehole 'open' on completion.												NTS Not to Scale		
												GL Ground Level		
												D Small Disturbed Sample		

Catalyst Trial Pit/Borehole Log	Site: 61 Lodge Lane, Hassocks, BN6 8LX			Client: Catalyst Services UK		Identification TP3
	Contract Number:	Date:	Logged By:	Checked by:	Drawn by:	
	13602	07.05.24	CWE	MCE	DJE	Sheet 1 of 1
	Easting:	Northing:	Ground Level:	Excavation Method:	Weather:	Scale:
	ND	ND	ND	Hand Tools	Dry	NTS
BRICK CONCRETE DV 114 112 250 300 300 TRIAL PIT ENDS AT 700mm TARMAC CONCRETE MADE GROUND: Soft dark brown sandy very silty clay with brick fragments. Roots of live appearance to 4mmØ. Stiff dark brown silty CLAY. Roots of live appearance to 2mmØ. GL 20 80 200 400						
Remarks: All dimensions in millimetres.			Key: ND No Data NTS Not to Scale GL Ground Level D Small Disturbed Sample V Pilcon Vane (kPa)			

Photograph 1 - Trial Pit 1



Photograph 2 - Trial Pit 2



Photograph 3 - Trial Pit 3



REPORT NOTES

Equipment Used

Hand tools, Mechanical Concrete Breaker and Spade, Hand Augers, 100mm/150mm diameter Mechanical Flight Auger Rig, GEO205 Flight Auger Rig, Window Sampling Rig, and Large or Limited Access Shell & Auger Rig upon request and/or access permitting.

On Site Tests

By Pilcon Shear-Vane Tester (kN/m) in clay soils, and/or Mackintosh Probe in granular soils or made ground and/or upon request Continuous Dynamic Probe Testing and Standard Penetration Testing.

Note:

Details reported in trial-pits and boreholes relate to positions investigated only as instructed by the client or engineer on the date shown.

We are therefore unable to accept any responsibility for changes in soil conditions not investigated i.e. variations due to climate, season, vegetation and varying ground water levels.

Full terms and conditions are available upon request.