

## SITE INVESTIGATION FACTUAL REPORT

Report No: SI-494735

Client: Sedgwick International UK - Morley

Site: 14 Watford Road  
Hillingdon

Client Ref: 6856747

Date of Visit: 11/8/2022



### Home Emergency Response - Subsidence Investigation - Drainage Services – Crack & Level Monitoring – Property Video Surveys

Unit E2 First Floor Suite, Boundary Court  
Willow Farm Business Park, Castle Donington  
Leicestershire, DE74 2NN

0843 2272362  
enquiries@cet-uk.com  
www.cet-uk.com

CET is the trading name of CET Structures Ltd  
Registered in England No. 02527130

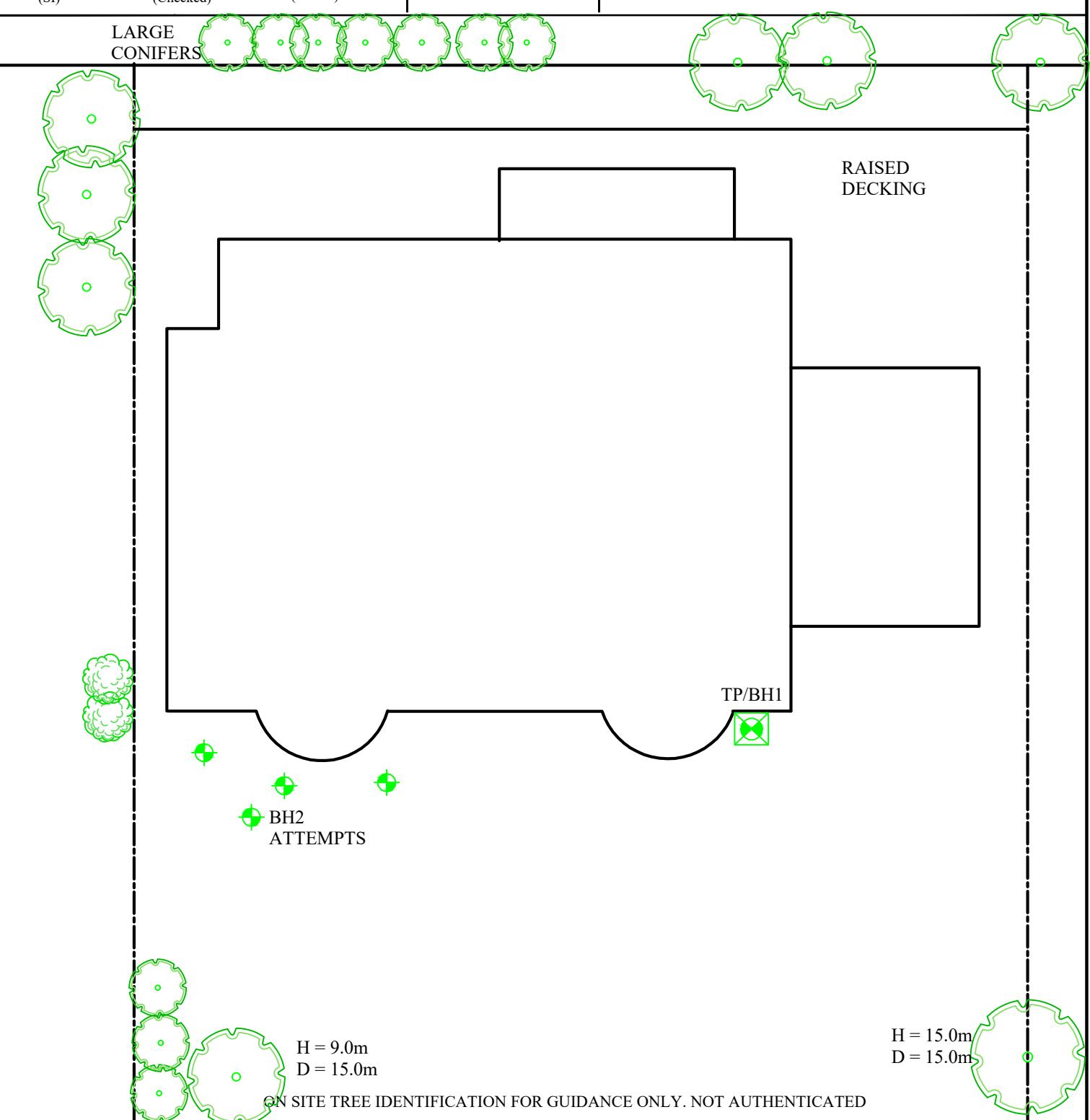
# Investigation Layout Plan

Sheet: 1 of 1  
Job No: 494735  
Date: 11/08/2022

Site: 14 Watford Road  
Work carried out for: Sedgwick International UK

IC AM AM  
(SI) (Checked) (Drawn)

Weather: Dry



Remarks:

Key:

Combined Gully RWWG

Manhole MH

Rain Water Pipe RWP

Rain Water Gully RWG

Soil Vent Pipe SVP

Waste Gully WG

Waste Pipe WP

Surface Water Drain

Foul Water Drain

Tree / Bush

(approx. ht in m)

Trial Pit

Borehole

O/D - Open Discharge

Scale: N.T.S.

**TEST REPORT:** Trial Pit

**REPORT NUMBER:** C1062606 / 201180.1.1.1

**TRIAL PIT REF:** TP1

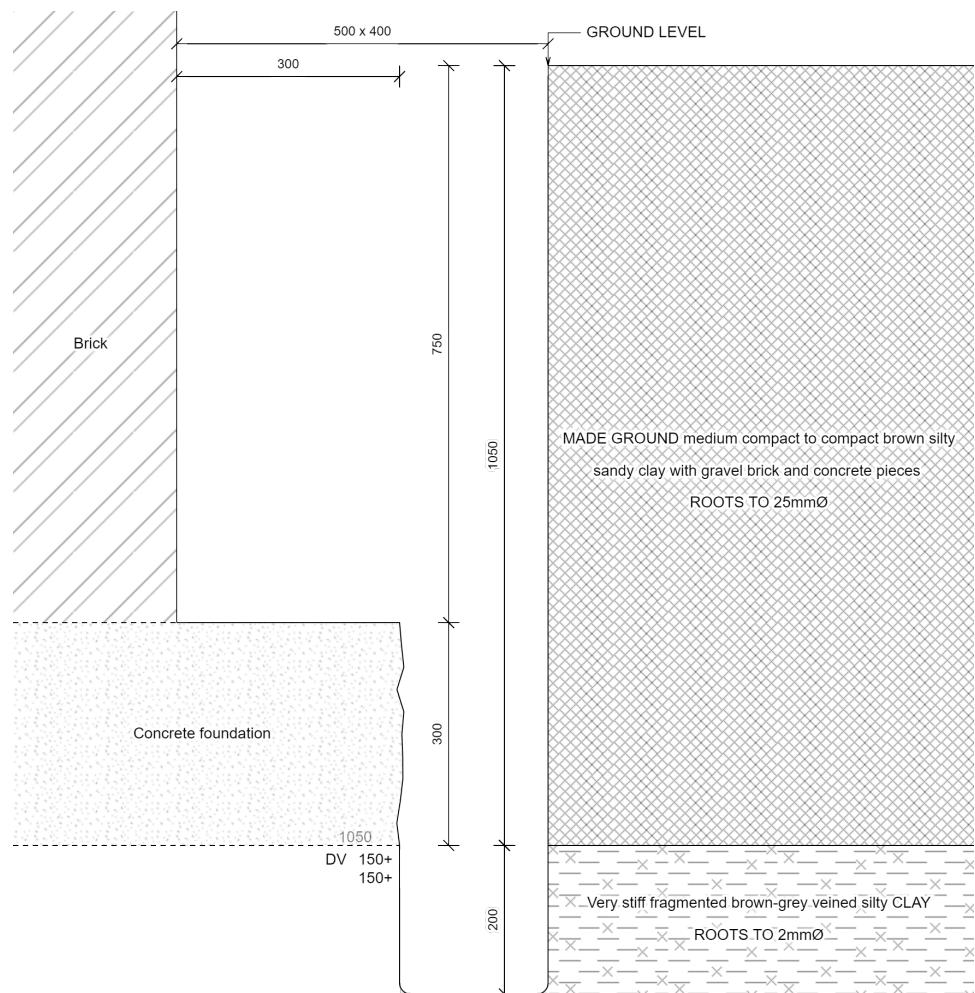
**DATE:** 11/08/2022

**CLIENT:** Sedgwick International UK

**SITE:** 14 WATFORD ROAD

**JOB NO:** 494735

**WEATHER:** Clear

**EXCAVATION METHOD:** Hand tools


House and bay have same foundation.

**Key:**

D	Small disturbed sample	J	Jar sample
B	Bulk disturbed sample	V	Pilcon vane (kPa)
W	Water sample		M Mackintosh probe
TDTD	Too dense to drive		

**Remarks:**

Test results reported relate only to the items tested.

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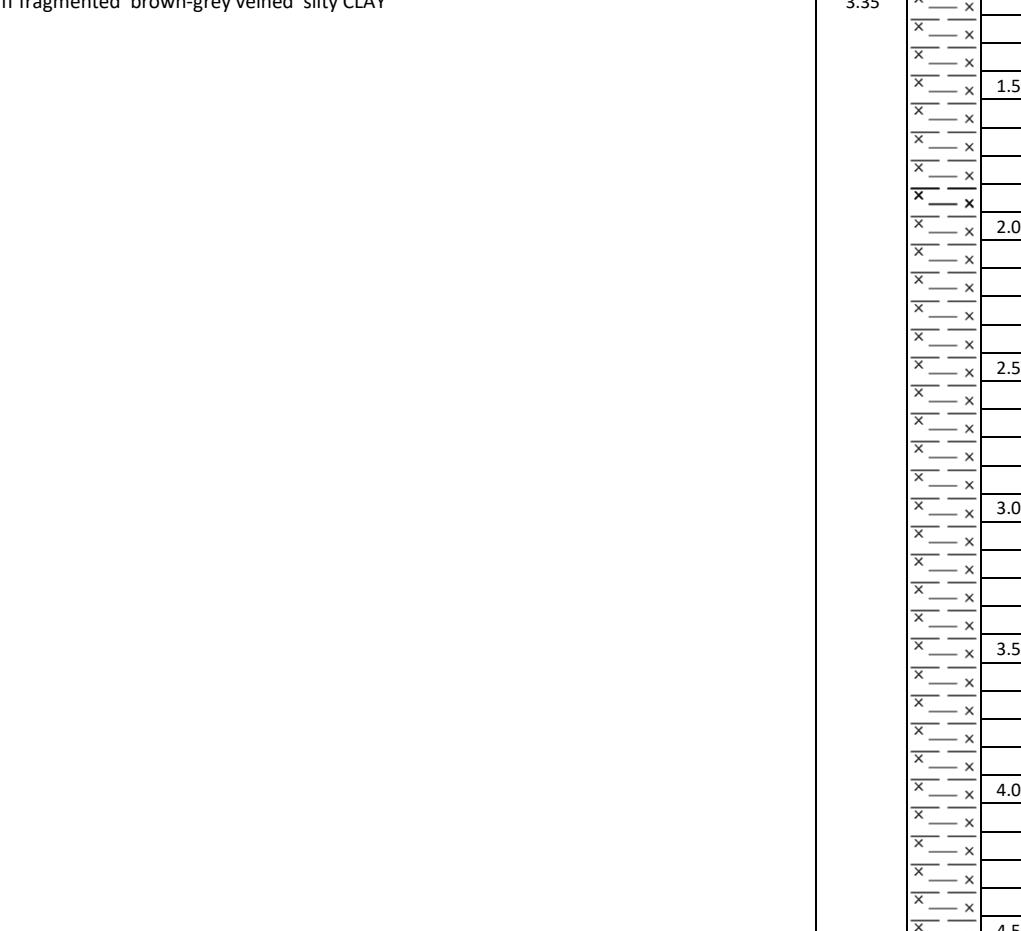
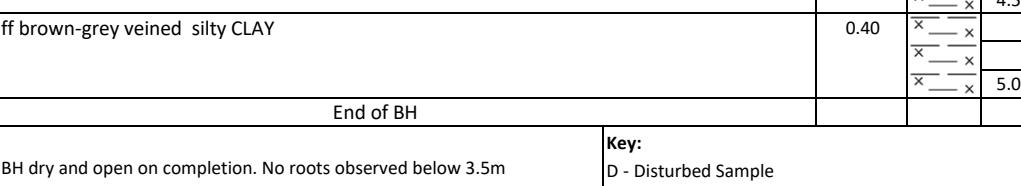
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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

For and on behalf of CTS  
Adam Mason - Quality Control



Approved Signatory  
Report date 12-Aug-22

Borehole		1		Sheet:	1 of 1	Site:	14 WATFORD ROAD			
Boring Method:		Hand Auger		Ground Level:			SEDGWICK INTERNATIONAL UK			
Diameter (mm):		75	Weather:	dry						
Depth	Soil Description							Samples and Tests		
(m)								Thickness	Legend	
0.00	See Trial Pit							1.25		
1.25	Very stiff fragmented brown-grey veined silty CLAY							3.35		
4.60	Very stiff brown-grey veined silty CLAY							0.40		
5.00	End of BH									
Remarks: BH ends at 5.0m, BH dry and open on completion. No roots observed below 3.5m					<b>Key:</b> D - Disturbed Sample B - Bulk Sample W - Water Sample J - Jar Sample V - Pilcon Shear Vane (kPa) M - Mackintosh Probe TD - Too Dense To Drive			To Depth	Max Dia (m) (mm)	
								3.50	1	
					</					

<b>Borehole</b>		<b>2</b>		Sheet:	1 of 1	<b>Site:</b>	14 WATFORD ROAD				
				Job No:	494735						
				Date:	11/08/2022						
Boring Method:		Rotary Auger			Ground Level:		<b>Client:</b>	SEDGWICK INTERNATIONAL UK			
Diameter (mm):		100	Weather:	dry							
Depth (m)	Soil Description						Samples and Tests				
0.00	MADEGROUND medium compact to compact brown silty sandy clay with gravel and brick pieces						Thickness	Legend	Depth	Type	Result
0.60	MADEGROUND medium compact to compact brown silty sandy clay with pieces of hardcore						0.20				
0.85	End of BH										
Remarks: BH ends at 850mm, made ground obstruction, too compact for drill to penetrate. BH dry and open on completion, dead roots observed to 850mm.					Key:			To Depth	Max Dia		
					D - Disturbed Sample			(m)	(mm)		
					B - Bulk Sample						
					W - Water Sample	Roots					
					J - Jar Sample	Roots					
					V - Pilcon Shear Vane (kPa)	Roots					
					M - Mackintosh Probe	Depth to Water (m)					
					TDTD - Too Dense To Drive						
Logged:	ic	AM	Checked:	Approved:	Version	V1.0	28/01/16	N.T.S.			



## SITE INVESTIGATION LABORATORY TEST REPORT

SI REPORT NUMBER: 494735

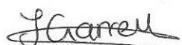
CLIENT : CET Property Assurance (Sedgwick International UK)

SITE:  
14 Watford Road  
Northwood  
Middlesex  
HA6 3NR

DATE OF SITE VISIT:  
11/08/2022

DATE RECEIVED BY LABORATORY:  
12/08/2022

L. Kirby  
Compiled by : .....  
L. Kirby - Laboratory Technician (B)

  
Approved by : .....  
J. Garrett - Laboratory Manager (B)

DATE REPORTED: 16-Aug-2022

# Laboratory Summary Results

Our Ref : 494735

Date Sampled: 11/08/2022

Location : 14 Watford Road, Northwood, Middlesex, HA6 3NR

Date Received : 12/08/2022

Client: CET Property Assurance (Sedgwick International UK)

Date Tested : 12/08/2022

Address: Unit 4, Boundary Court, Willow Farm Business Park, Castle Donington, Leicestershire, DE74 2NN

Date of Report : 16/08/2022

TP/BH No	Sample Ref	Type	Moisture Content ( % ) [1]	Soil Fraction > 0.425mm ( % ) [2]	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity * Index [5]	Modified * Plasticity Index ( % ) [6]	Soil * Class [7]	Filter Paper Contact Time ( d )	Soil Sample Suction (kPa) [8]	Oedometer Strain [9]	Estimated * Heave Potential (Dd) (mm)/[10]	In situ * Shear Vane Strength (kPa) [11]	Organic * Content ( % ) [12]	pH * Value [13]	Sulphate Content * ( g /l )		* Class [16]
																	so3 [14]	so4 [15]		
1	U/S 1.05	D	24	<5	75	24	51	0.00	51	CV									> 150	
	1.5	D	22	<5	74	25	49	-0.06	49	CV									> 150	
	2.0	D	23	<5															> 150	
	2.5	D	24	<5	78	26	52	-0.03	52	CV									> 150	
	3.0	D	25	<5															> 150	
	3.5	D	25	<5	80	28	52	-0.05	52	CV									> 150	
	4.0	D	25	<5															> 150	
	4.5	D	25	<5	79	28	51	-0.07	51	CV									> 150	
	5.0	D	28	<5															> 150	

## Test Methods / Notes

[1] BS 1377 : Part 2 : 1990, Test No 3.2

[2] Estimated if <5%, otherwise measured

[3] BS 1377 : Part 2 : 1990, Test No 4.4

[4] BS 1377 : Part 2 : 1990, Test No 5.3

[5] BS 1377 : Part 2 : 1990, Test No 5.4

[6] BRE Digest 240 : 1993

[7] BS 5930 : 2018 : Figure 8 - Plasticity Chart for the classification

of fine soils

Test results reported relate only to the items tested.

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Construction Testing Solutions Ltd - Lawness Barns, Mountnessing Road, Billericay, Essex CM12 0TS

Version: 5BH V3.1 - 12.04.22

[8] Building Research Establishment Information Paper 4/93

[9] In Accordance with BS 1377-5 : 1990 : Clause 3

[10] Estimated Heave Potential (Dd)

[11] Values of shear strength were determined in situ by CTS using

a Pilco hand vane or Geonor vane (GV).

[12] BS 1377 : Part 3 : 1990, Test No 4

[13] BS 1377 : Part 3 : 1990, Test No 9

[14] BS 1377 : Part 3 : 1990, Test No 5.6

[15] SO<sub>4</sub> = 1.2 x SO<sub>3</sub>

[16] BRE Special Digest One (Concrete in Aggressive Ground) August 2005

Note that if the SO4 content falls into the DS-4 or DS-5 class, it would be

prudent to consider the sample as falling into the DS-4M or DS-5M

class respectively unless water soluble magnesium testing is undertaken

to prove otherwise.

PSD Chart - BS 1377: Part 2 : 1990, Test No 9.2

\* These tests are not UKAS accredited

Full reports can be provided upon request.

## Key

D Disturbed sample ( small )

B Disturbed sample ( bulk )

U Undisturbed sample

W Groundwater sample

ENP Essentially Non-Plastic by inspection

U/S Underside of Foundation



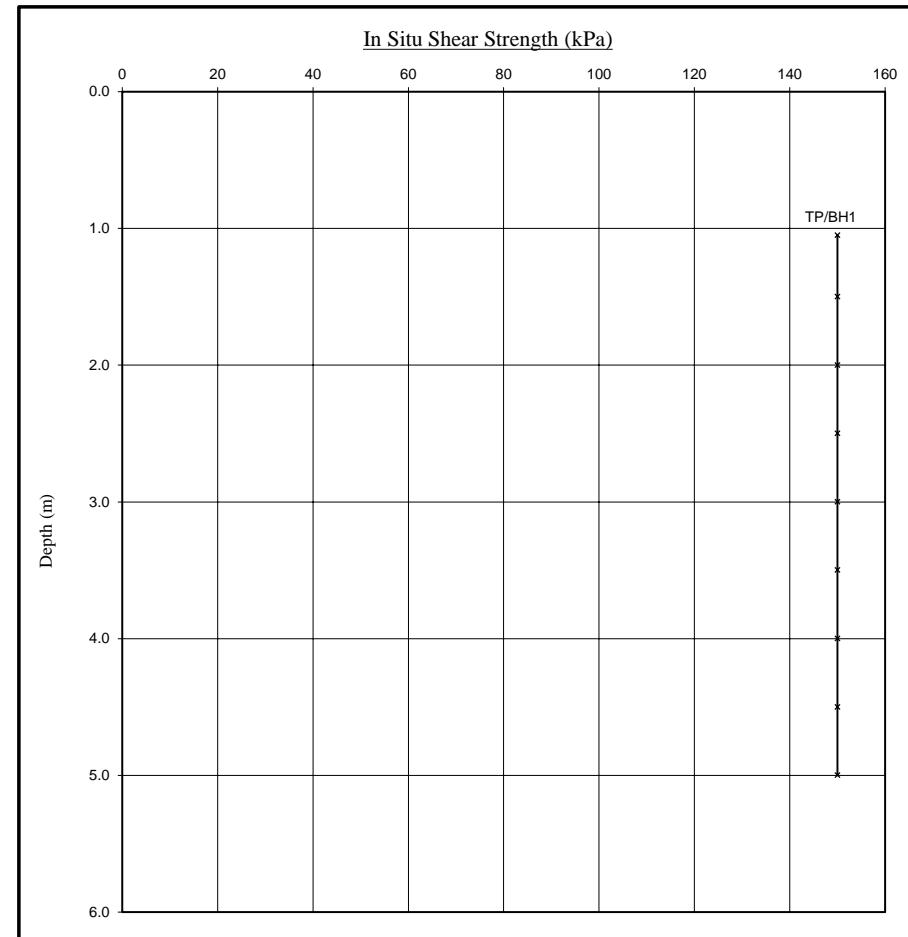
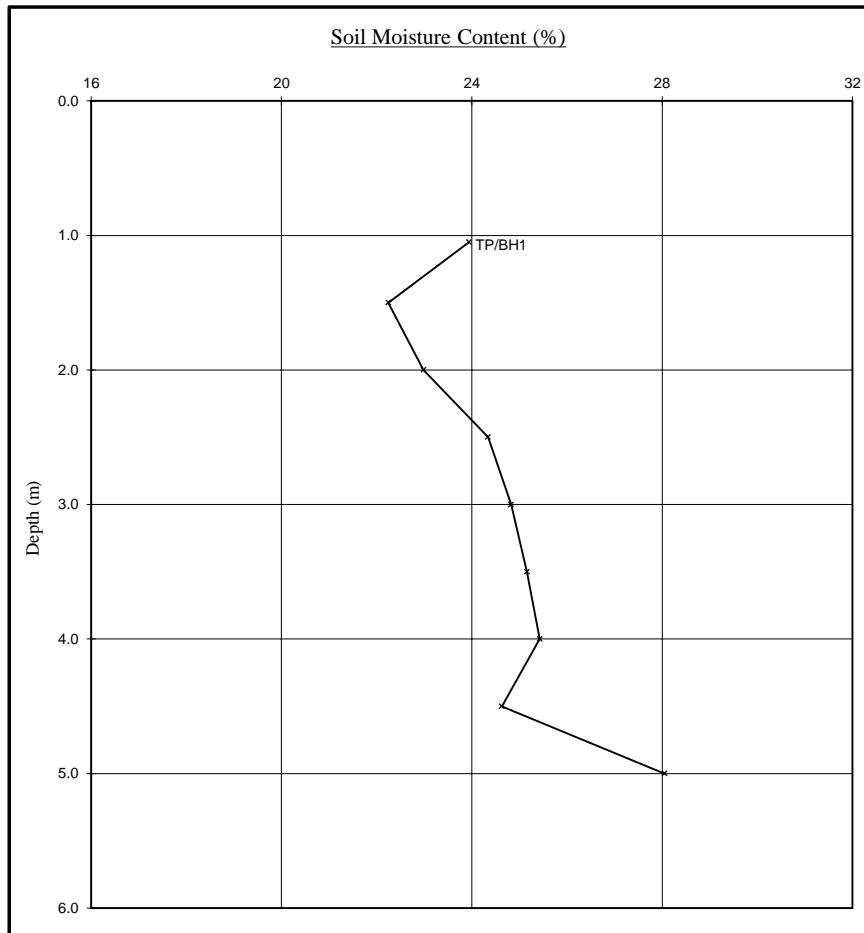
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# Moisture Content Profiles

Our Ref : 494735  
Location : 14 Watford Road, Northwood, Middlesex, HA6 3NR  
Work carried out for: CET Property Assurance (Sedgwick International UK)

# Shear Strength Profiles

Date Sampled : 11/08/2022  
Date Received : 12/08/2022  
Date Tested : 12/08/2022  
Date of Report : 16/08/2022



## Notes

1. If plotted, 0.4 LL and PL+2 ( after Driscoll, 1983 ) should only be applied to London Clay ( and similarly overconsolidated clay) at shallow depths.
2. Unless specifically noted the profiles have not been related to a site datum.

## Note

1. Unless otherwise stated, values of Shear Strength were determined in situ by CTS using a Pilcon Hand Vane the calibration of which is limited to a maximum reading of 150 kPa.
2. Unless specifically noted the profiles have not been related to a site datum.

Construction Testing Solutions  
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Ratby Lane  
Leicester Forest East  
Leicestershire  
LE3 3AW

Intec  
Parc Menai, Bangor,  
Gwynedd, North Wales  
LL57 4FG  
Tel: 01248 672652  
Fax: 01248 672601

## ROOT IDENTIFICATION

**14 Watford Road,**

Client Reference: 494735  
Report Date: 17 August 2022  
Our Ref: R45875

Sub Sample	Species Identified	Root Diameter	Starch
<b>TP1:</b>			
USF	<i>Ilex</i> spp.	1	1.5 mm Absent
USF	<i>Quercus</i> spp.		2 mm Abundant
<b>BH1:</b>			
3.5m	<i>Quercus</i> spp.	2	1.5 mm Abundant

**Comments:**

1 - Plus 1 other also identified as *Ilex* spp.  
2 - Plus 2 others also identified as *Quercus* spp.

*Ilex* spp. are hollies.

*Quercus* spp. are oaks (both deciduous and evergreen).

**Signed:** M D Mitchell

Unless we are otherwise instructed in writing, the above sample material will normally be disposed of 6 years after the date of this report.

