

## SITE INVESTIGATION FACTUAL REPORT

Report No: SI-559862  
Client: Sedgwick International UK - Morley  
Site: 23 Hawthorne Way, Shelley  
Client Ref: 9654293  
Date of Visit: 23/12/2022



### 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: 559862

Date: 23/12/2022

Site: 23 Hawthorne Way, Shelly

Work carried

out for:

Sedgwick International UK

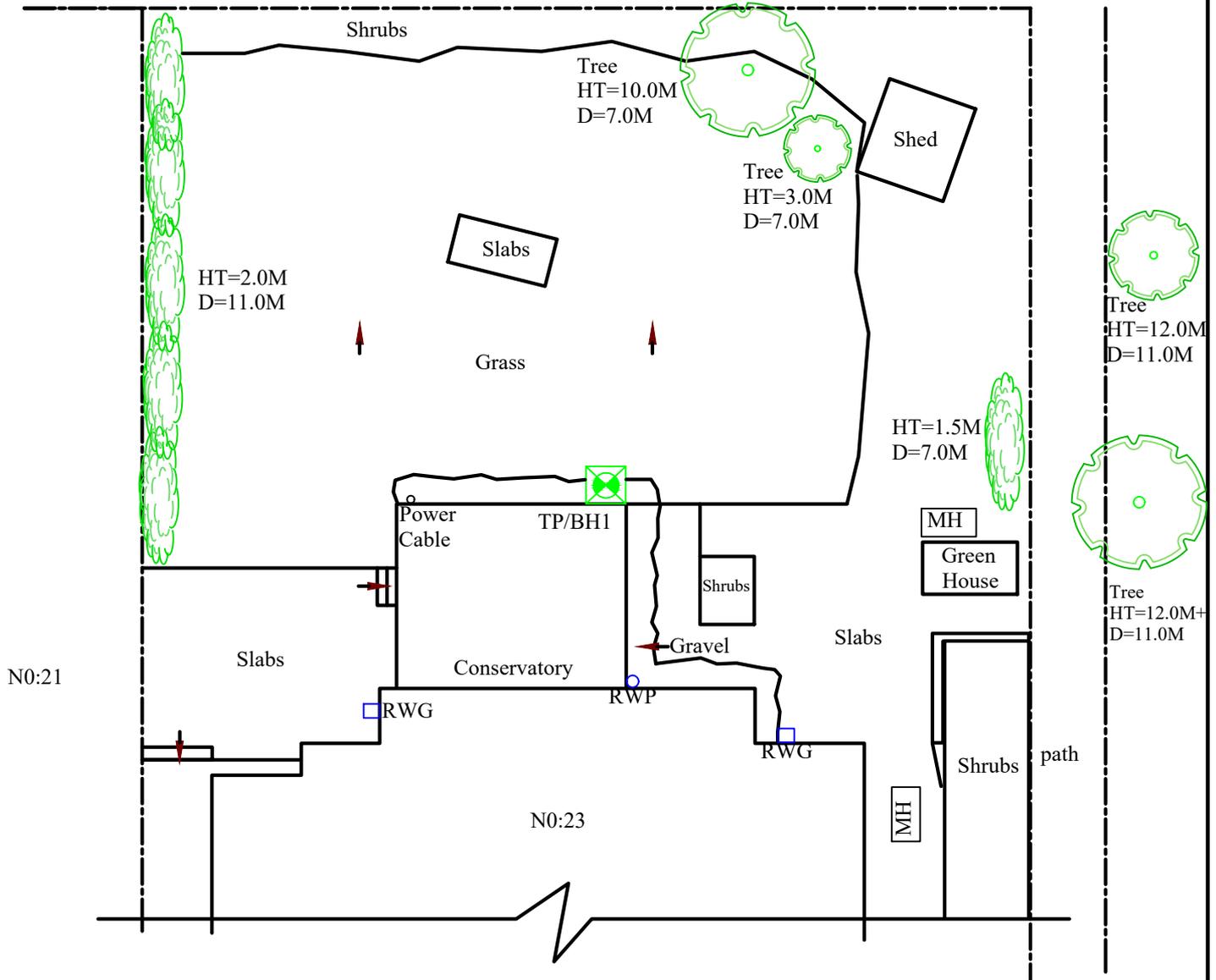
JW  
(SI)

AM  
(Checked)

JMC  
(Drawn)

Weather: Raining

ON SITE TREE IDENTIFICATION FOR GUIDANCE ONLY. NOT AUTHENTICATED



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)

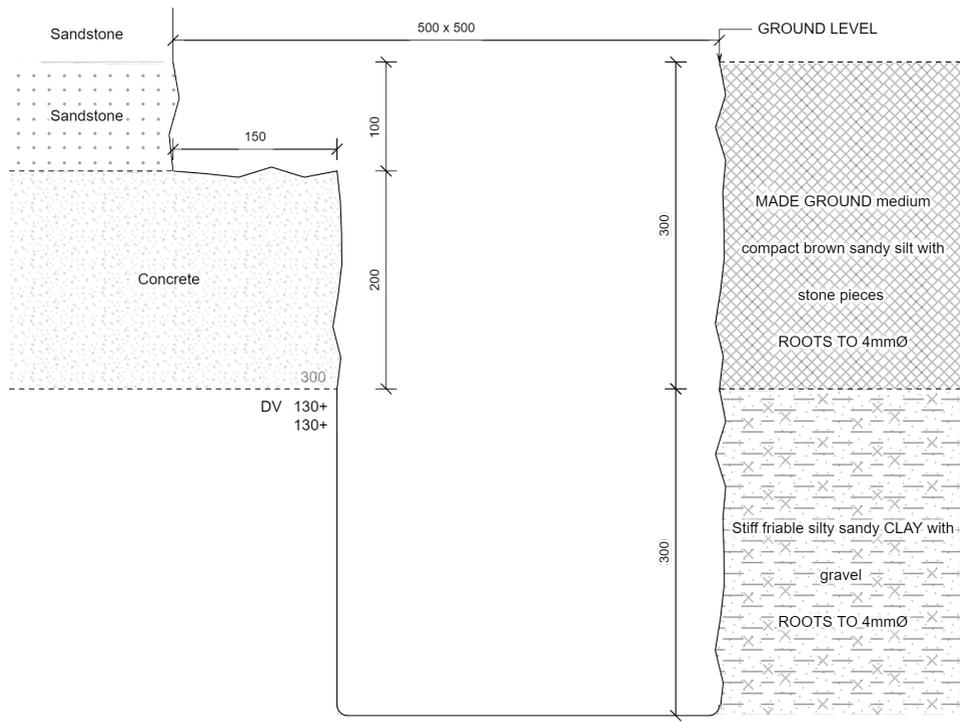
Trial Pit

Borehole

O/D - Open Discharge

Scale: N.T.S.

**TEST REPORT:** Trial Pit  
**REPORT NUMBER:** C1071537 / 228668.1.1.1  
**TRIAL PIT REF:** TP1 **DATE:** 23/12/2022  
**CLIENT:** Sedgwick International UK **SITE:** 23 HAWTHORNE WAY, SHELLEY  
**JOB NO:** 559862 **WEATHER:** Raining  
**EXCAVATION METHOD:** Hand tools



For Strata below 600mm see Bore Hole log

Curved steel pin driven 300mm under foundation at 300mm below ground level

**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.  
 This report shall not be reproduced except in full without approval of the Laboratory.  
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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 06-Jan-23





## SITE INVESTIGATION LABORATORY TEST REPORT

SI REPORT NUMBER: 559862

CLIENT : CET Property Assurance (Sedgwick International UK)

SITE:  
23 Hawthorne Way  
Shelly  
Huddersfield  
HD8 8JX

DATE OF SITE VISIT:  
23/12/2022

DATE RECEIVED BY LABORATORY:  
06/01/2023

Compiled by : .....  
C.Major - Deputy Laboratory Manager

Approved by : .....  
L.Marshall - Laboratory Manager

DATE REPORTED: 25-Jan-2023

# Laboratory Summary Results

Our Ref : 559862  
 Location : 23 Hawthorne Way, Shelly, Huddersfield  
 Client: CET Property Assurance (Sedgwick International UK)  
 Address: Unit 4, Boundary Court, Willow Farm Business Park, Castle Donington, DE74 2NN

Date Sampled: 23/12/2022  
 Date Received : 06/01/2023  
 Date Tested : 19/01/2023  
 Date of Report : 26/01/2023

Sample Ref		Type	Moisture Content (%) [1]	Soil Fraction > 0.425mm (%) [2]	Liquid Limit (%) [3]	Plastic Limit (%) [4]	Plasticity Index (%) [5]	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]
TP/BH No	Depth (m)																	SO3 [14]	SO4 [15]	
1	U/S 0.30	D	13	23	40	18	22	-0.24	17	CI	Too Stiff				>130					
	1.0	D	16	18												>130				
	1.5	D	17	<5	47	21	26	-0.15	26	CI						>130				
	2.0	D	18	<5												>130				

**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

[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 Pilon 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 SO<sub>4</sub> 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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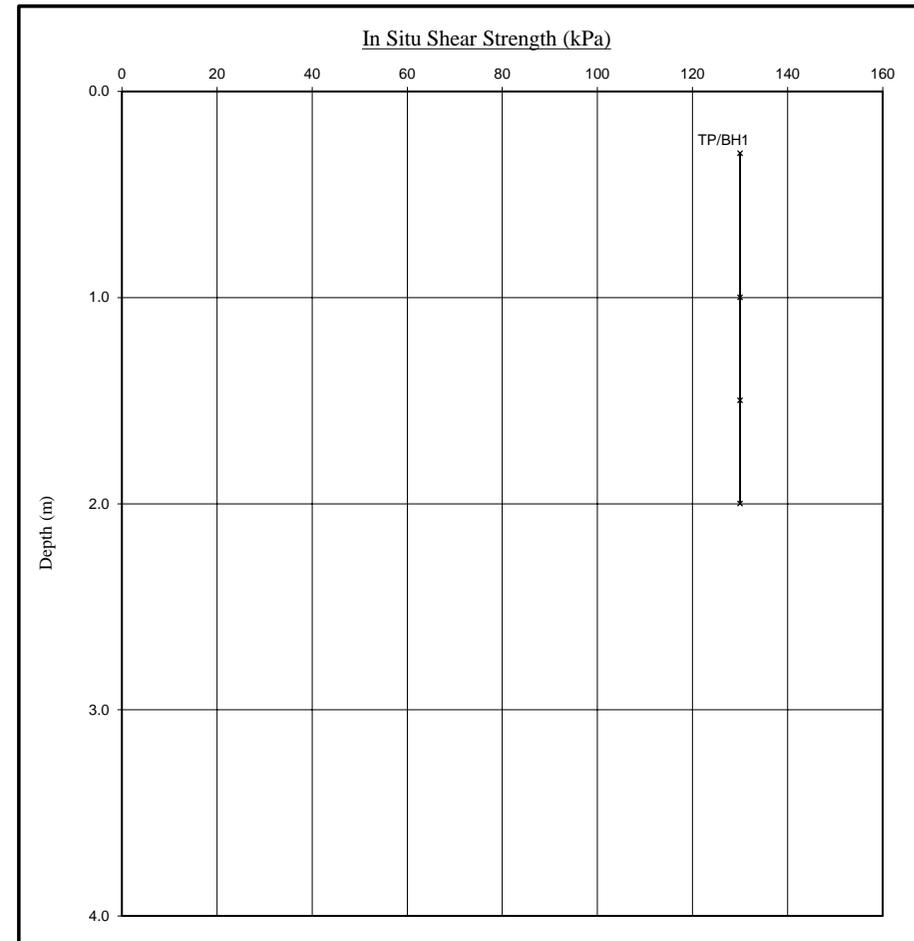
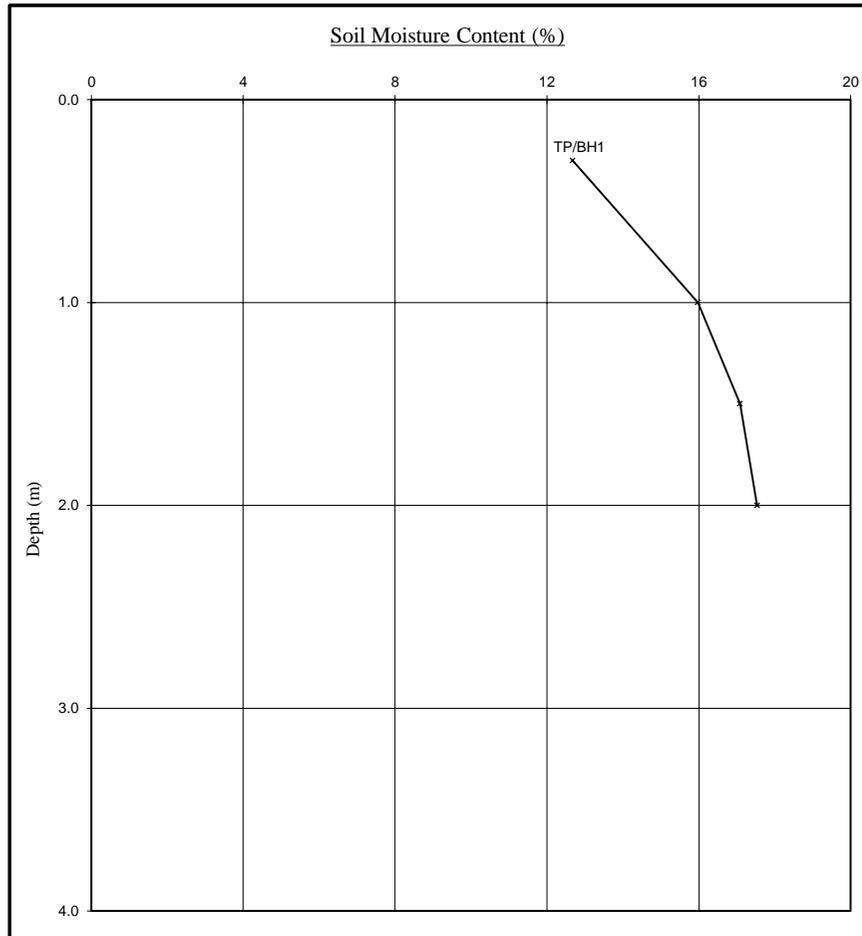
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# Moisture Content Profiles

Our Ref : 559862  
Location : 23 Hawthorne Way, Shelly, Huddersfield  
Work carried out for: CET Property Assurance (Sedgwick International UK)

Date Sampled : 23/12/2022  
Date Received : 06/01/2023  
Date Tested : 19/01/2023  
Date of Report : 26/01/2023



### 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 130 kPa.
2. Unless specifically noted the profiles have not been related to a site datum.

Construction Testing Solutions  
4 Oak Spinney Park  
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

## 23 Hawthorne Way

Client Reference: 559862  
Report Date: 10 January 2023  
Our Ref: R49822

Sub Sample	Species Identified	Root Diameter	Starch
<b>TP1:</b>			
USF	<i>Quercus</i> spp.	1 3 mm	Abundant
<b>BH1:</b>			
to 2m	<i>Quercus</i> spp.	2 2 mm	Abundant

### Comments:

- 1 - Plus 3 others also identified as *Quercus* spp.
- 2 - Plus 2 others also identified as *Quercus* spp.

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

**Signed:** R. Shaw

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

