

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



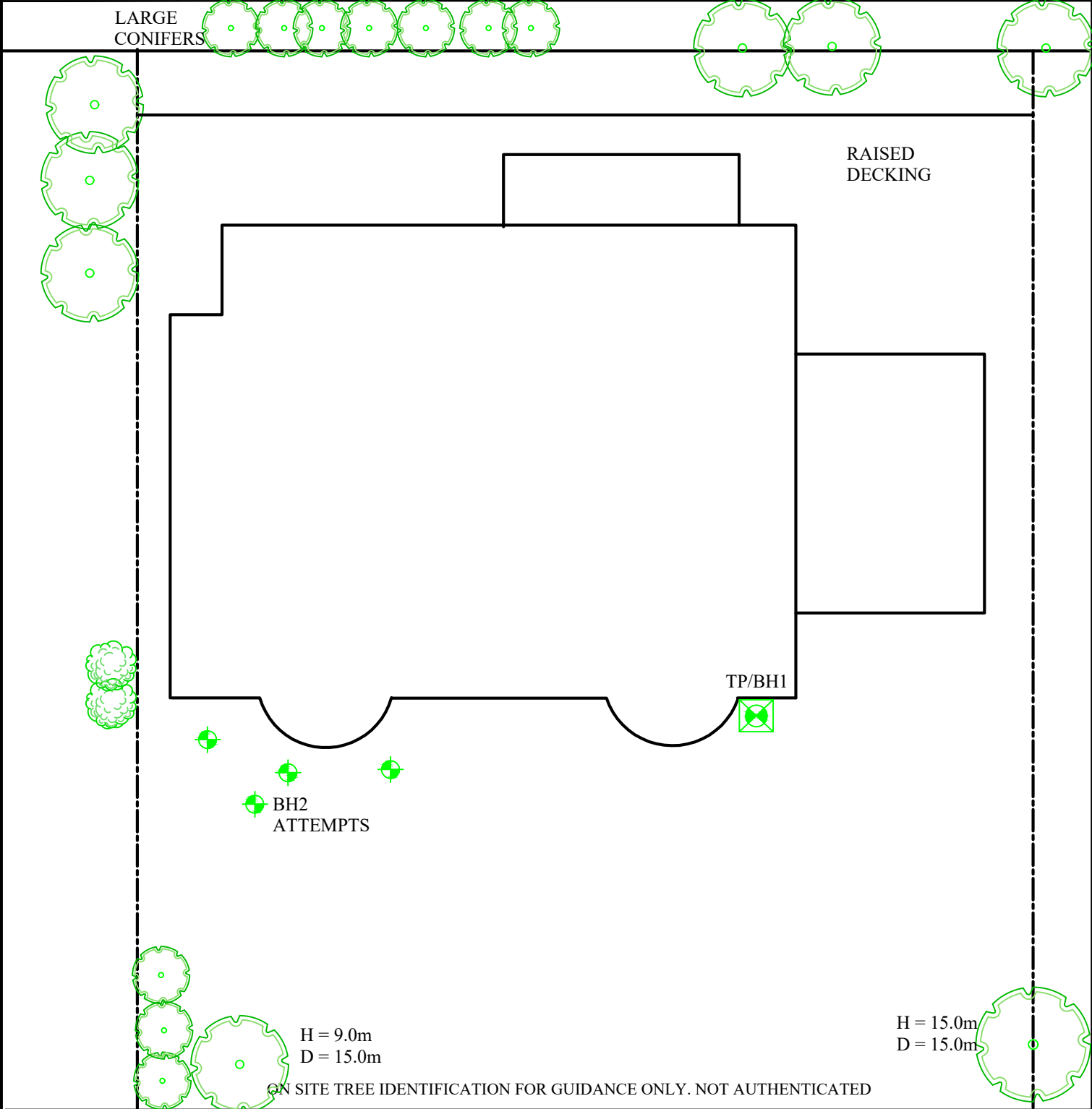
Home Emergency Response - Subsidence Investigation - Drainage Services – Crack & Level Monitoring – Property Video Surveys

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

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💻 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	Site: 14 Watford Road Work carried out for: Sedgwick International UK
			Job No: 494735 Date: 11/08/2022	
IC (SI)	AM (Checked)	AM (Drawn)	Weather: Dry	



Remarks:	Key:	Surface Water Drain	---	
	Combined Gulley	RWWG	Foul Water Drain	---
Scale: N.T.S.	Manhole	MH	Tree / Bush	(approx. ht in m)
	Rain Water Pipe	RWP		
	Rain Water Gulley	RWG		
	Soil Vent Pipe	SVP	Trial Pit	
	Waste Gulley	WG	Borehole	
	Waste Pipe	WP	O/D - Open Discharge	

TEST REPORT: Trial Pit

REPORT NUMBER: C1062606 / 201180.1.1.1

TRIAL PIT REF: TP1

CLIENT: Sedgwick International UK

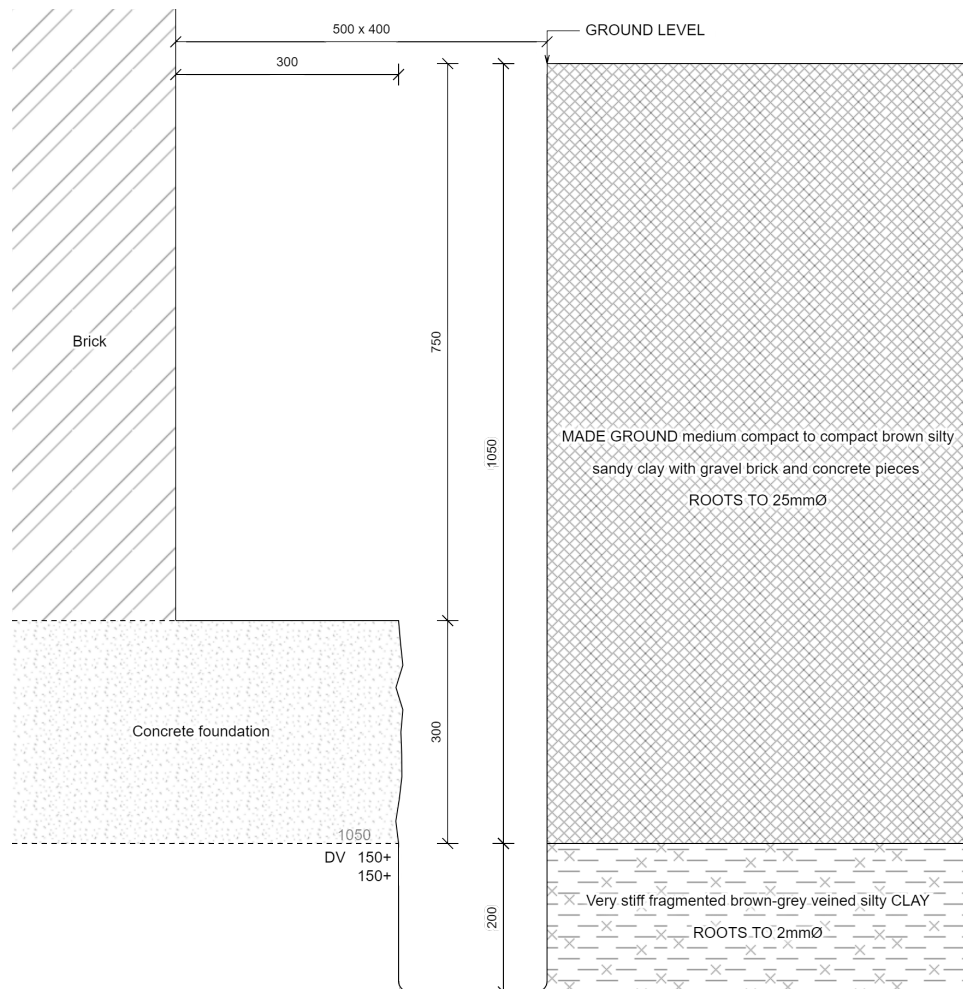
JOB NO: 494735

EXCAVATION METHOD: Hand tools

DATE: 11/08/2022

SITE: 14 WATFORD ROAD

WEATHER: Clear



For Strata below 1250mm see Bore Hole log

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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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				
				Job No:	494735						
				Date:	11.8.22						
Boring Method:		Hand Auger		Ground Level:		Client:	SEDGWICK INTERNATIONAL UK				
Diameter (mm):		75	Weather:		dry						
Depth	Soil Description					Thickness	Legend	Samples and Tests			
(m)								Depth	Type	Result	
0.00	See Trial Pit					1.25					
1.25	Very stiff fragmented brown-grey veined silty CLAY					3.35	x — x				
							x — x				
							x — x				
							x — x				
							x — x	1.50	DV	150+	
							x — x			150+	
							x — x				
							x — x				
							x — x				
							x — x	2.00	DV	150+	
							x — x			150+	
							x — x				
							x — x				
							x — x				
							x — x	2.50	DV	150+	
							x — x			150+	
							x — x				
							x — x				
							x — x				
							x — x	3.00	DV	150+	
							x — x			150+	
							x — x				
							x — x				
							x — x				
							x — x	3.50	DV	150+	
							x — x			150+	
							x — x				
							x — x				
							x — x				
							x — x	4.00	DV	150+	
							x — x			150+	
							x — x				
							x — x				
x — x	4.50	DV	150+								
4.60	Very stiff brown-grey veined silty CLAY					0.40	x — x			150+	
							x — x				
							x — x				
							x — x	5.00	DV	150+	
5.00	End of BH									150+	
Remarks: BH ends at 5.0m, BH dry and open on completion. No roots observed below 3.5m					Key: D - Disturbed Sample 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					To Depth (m)	Max Dia (mm)
										3.50	1
Logged:					IC	AM	Checked:	Approved:	Version V1.0 28/01/16 N.T.S.		

[illegible]



SITE INVESTIGATION LABORATORY TEST REPORT

SI REPORT NUMBER: 494735

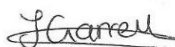
CLIENT : CET Property Assurance (Sedgwick International UK)

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

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

Client: CET Property Assurance (Sedgwick International UK)

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

Date Sampled: 11/08/2022

Date Received : 12/08/2022

Date Tested : 12/08/2022

Date of Report : 16/08/2022

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 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

[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 Pilcon 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] SO₄ = 1.2 x SO₃

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

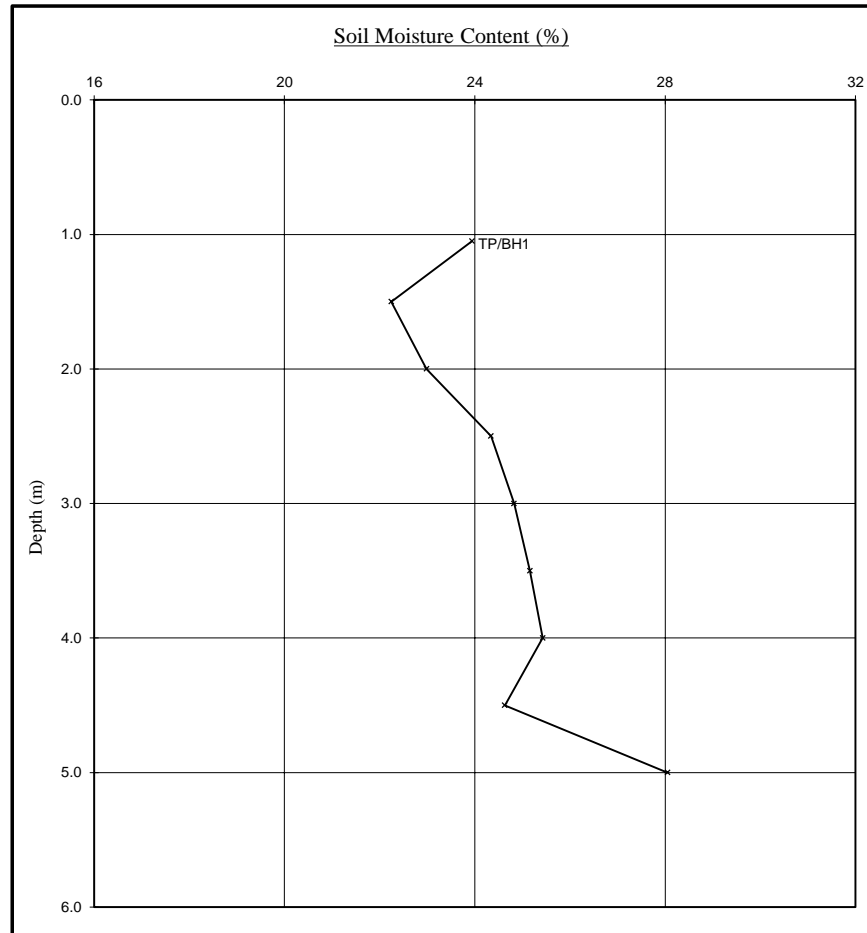
Version: 5BH V3.1 - 12.04.22



0927

Moisture Content Profiles

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

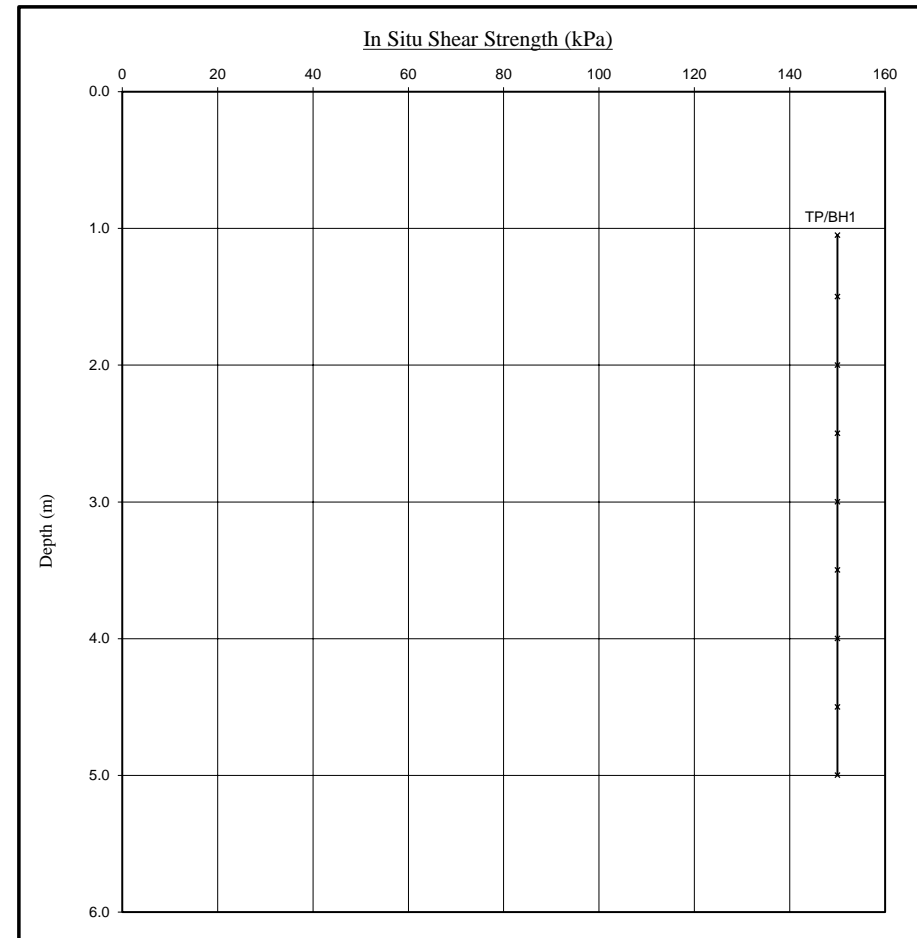


Notes

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.

Shear Strength Profiles

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



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
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

14 Watford Road,

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

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

