

SITE INVESTIGATION **FACTUAL REPORT**

Report No:

Sedgwick International UK - Maidstone Client:

Site: 43 Gondar Gardens

Client Ref:

Date of Visit: 05/02/2020





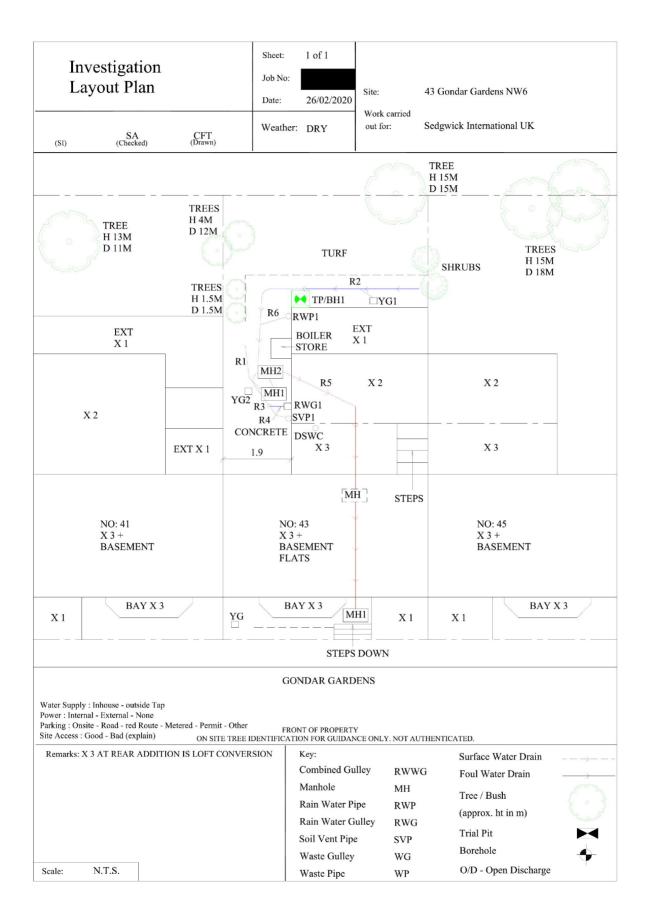














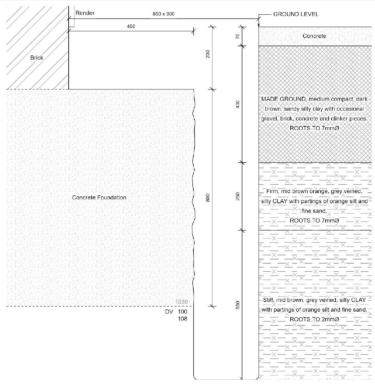
TEST REPORT: Trial Pit

REPORT NUMBER:

TRIAL PIT REF: DATE: 26/02/2020 CLIENT: Sedgwick International UK SITE: 43 Gondar Gardens

JOB NO: WEATHER:

EXCAVATION METHOD: Hand tools



For Strata below 1300mm see Bore Hole log

Water seepage at 750mm.

Key:

Small disturbed sample J Jar sample D Bulk disturbed sample V Pilcon vane (kPa) В M Mackintosh probe

Water sample 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.

For and on behalf of CET Scott Alger - Lab

Report Format:

Approved Signatory 27-Feb-20

Report version 1

Page 1 of 1

	Boreh	volo.	1		Sheet:	1 of 1	Site:	43 Gondar	Gardens			
					Job No: Date:	26/02/2020						
Boring M		Hand Auger		I	Ground Level:		Client:	Sedgwick I	nternatio	nal UK -	Maidsto	ne
Diameter	r (mm):	75	Weather:	Dry						C		I T 4 -
Depth				Soil Description	1			Thistones		_	ples and	Result
(m) 0.00	See Trial	Di+						Thickness 1.30	Legend	Deptn	Туре	Result
0.00	see iriai	PIL						1.30				
4.00	C.:(f . 1 .	1			11. 1.6			0.70	-			
1.30	STITT MID	brown, grey	veined silty C	LAY with partings of or	ange siit and fine s	ind.		0.70	* — ×			
									× _ ×	1.50	DV	118
									××			120
									××			
									<u>×</u> — ×			
2.00	Very stiff	f mid brown	grey veined s		1.00	× — ×	2.00	DV	140+			
2.00	VCI y Still	i illia bi owii,	, grey venicu s	iity CDAT With partings	or orange sile and r	ine sana.		1.00	× ×	2.00		140+
									xx			
									× — ×			
									× — ×	2.50		440
									× — ×	2.50	DV	140+ 140+
									××			140+
									××			
									× ×			
			, grey veined s	ilty CLAY with partings	of orange silt and f	ine sand		2.00	× — ×	3.00	DV	140+
	and cryst	tals.							× — ×			140+
									*×			
									xx			
									× ×	3.50	DV	140+
									× — ×			140+
									× — ×			
									<u>* - ×</u>			
									××	4.00	DV	140+
									××			140+
									× ×			
									<u>×</u> — ×			
									<u>x - x</u>	4.50	DV	140+
									× ×	50		140+
									× ×			
				2					× — ×	5.00	DV	140+
5.00				End of BH				<u> </u>				140+
emarks:		H dry and one	en on completic	on. No live roots observe	d below 1.7m Dead	Key: D - Disturbed Sa	amnle				To Depth	Max Dia
		oot fragment				B - Bulk Sample					(m)	(mm)
						W - Water Samp		Roots			1.70	1
						J - Jar Sample		Roots				
						V - Pilcon Shear						
							D. L.	Depth to W	lakes (m)		4.90	
						M - Mackintosh TDTD - Too Den		5-31-50 \$1000 ACCUANCE 535	rater (m)		4.50	

Laboratory Summary Results

26/02/2020 27/02/2020 Date Tested : Date of Report : Client: Address: 27/02/2020 06/03/2020

	ample Ref	100	Moisture	Soil	Liquid	Plastic	Plasticity		Modified *	Soil 9	Filter Paper		Oedometer	Estimated		Organic *	pH *	Sulphate		
TP/BH	Depth	Type	Content	Fraction	Limit	Limit	Index	Index	Plasticity	Class	Contact	Sample	Strain	Heave	Shear Vane	Content	Value	(g.		Class
No	(m)		(%) [1]	> 0.425mm (%) [2]	(%)/3/	(%)[4]	(%)[5]	[5]	Index (%)[6]	[7]	Time (h)	Suction (kPa) [8]	[9]	Potential (Dd) (mm)[10]	Strength (kPa) [11]	(%)[12]	[13]	503 [14]	so ₄ [15]	[16]
			200			-	200			2000		200000								
1	U/S 1.03	D	35	<5	69	21	48	0.29	48	СН	168	118			104					
	1.5	D	32	<5											119					
	2.0	D	31	<5	69	21	48	0.21	48	СН	168	271			> 140					
	2.5	D	31	<5											> 140					
	3.0	D	31	<5	72	26	46	0.12	46	CV	168	308			> 140					
	3.5	D	31	<5											> 140					
	4.0	D	31	<5							168	346			> 140					
	4.5	D	32	<5											> 140					
	5.0	D	32	<5							168	293			> 140					
																				l
																				l

Test Methods / Notes

If 86 1977, 1982, 1990, Test No. 3.2

(27 Islambood / Societale monetod

197 Islambood / Societale monetod

197 Islambood / Societale monetod

197 Islambood / Societale monetod

198 Islambood | 1990, Test No. 4.4

197 Islambood | 1990, Test No. 5.3

198 Islambood | 1990, Test No. 5.4

198 Islambood | 1990

198 Islambood | 1990

1990 | 1990 | 1990 | 1990

1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1990 | 1

[49] In-house enathed Sits adapted from IRET IP 4-93

[79] In-house Test Procedure Si Fiz One Discussional Swell-Sizzini Test

[70] Estimated Serve Production (10)

[71] Values of shear strength were determined in vita by CET using

n Pilcon hand vane or Geoner vane (GV).
[12] BS 1377: Part 3: 1990, Test No.4
[13] BS 1377: Part 2: 1990, Test No.9
[14] BS 1377: Part 3: 1990, Test No.5.6

[15] SO₄ = 1.2 x SO₃



Version: 5BH V1.6 - 26.02.19

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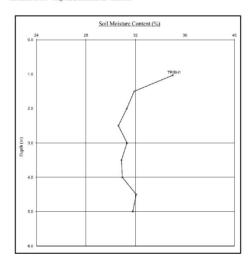
Moisture Content Profiles

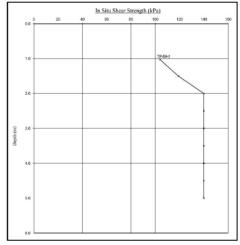
Shear Strength Profiles

Our Ref : Location :

43, Gondar Gardens, London

Date Sampled: 26/02/2020
Date Received: 27/02/2020
Date Tested: 27/02/2020
Date of Report: 06/03/2020





Notes

I. If plotted, 0.4 LL and Pl = 2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated only) at hallow depths.

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

Unless otherwise stated, values of Shear Strength were determined in situ.

CET using a Pilcon Hand Vane the cultivation of which is limited to
a maximum reading of 140 kPa.

The state of the sta

Moisture Content Profiles

Ref:

ar Ret :
43, Gondar Gardens, London
ork carried out for: Sedgwick International UK - Maidstone

Notes

I. 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.

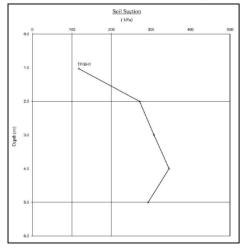
Soil Suction Profiles

 Date Sampled:
 26/02/202

 Date Received:
 27/02/202

 Date Tested:
 27/02/202

 Date of Report:
 06/03/202



Note:
When shown, the theoretical equilibrium suction profiles are board on conventional numerations associated with London City (and ristallarly overconsolidated citys) at skillow depths. Note that the sample disturbance correporate in dependent on the module of sampling and any subsequent recomposition. The above piles show this to be 100Ps, which is the value the agreed by the BEE of the basis of their limited number of their third samples of their limited turber of their third samples of their institutions and pilegenest should be caretion.

Sheet: 1 of 1 43 Gondar Gardens, Site: **EPSL** Job No: Work carried 28/02/2020 European Plant Science Laboratory Sedgwick International UK out for:

Certificate of Analysis

The following work was commissioned by CET on behalf of their client. Root samples were obtained in sealed packets from the above site with no reference given as to the types of tree or shrub from which they may have originated.

The results were as follows -

Trial pit/ Borehole <u>number</u>	Root diameter (mm)	Tree, shrub or climber from which root originates	Result of starch test
TP1 (USF)	2 mm	Rosa spp.	Positive
TP1 (USF)	<1 mm	either Quercus spp. or Castanea spp. * 2 roots	Positive
BH1 (to 1.7m)	<1 mm	either Quercus spp. or Castanea spp. * 3 roots	Positive

* All rather juvenile.

Rosa spp. are roses.

Quercus spp. are oaks. Castanea spp. include sweet chestnut.

Head of Laboratory Services: M D Mitchell B.Sc. (Hons), M.Phil. Plant Anatomist: Dr G S Turner B.Sc. (Hons), M.Sc., Ph.D Plant Anatomist: Dr R J Shaw B.Sc. (Hons), Ph.D Consultant: Dr M P Denne B.Sc. (Hons), M.Sc., Ph.D

To: Sedgwick International UK - Maidstone

27-Feb-20

ESTIMATE

Site:- 43 Gondar Gardens

No recommendations required to the private drainage surveyed.

NotesRepairs to shared runs and off boundary pipe-work may be the responsibility of the water authority.

- Condition Grade

 A Structurally sound with no leakage evident.

 B Cracks and fractures observed.

 C Structurally unsound

Quotation is binding only if accepted within 28 days from date of issue and is subject to our Standard Terms and Conditions

The price qualification notes, stated on the drainage solutions schedule of rates, apply to this quotation.

CET Structures Ltd undertakes to return to site free of charge to carry out remedial work to the drainage repairs set out above for a period of 2 months from the date of this invoice. The company standard charge rates will apply to the visit should the work requested be unrelated to the said repairs.

g Sheet		Job No.:						
		ויסאו מטנ:						
		Date:	#########	Client:	Sedgwick International UK - N	Maidstone (
		-			_			
IV	H1	Invert Lev	rel:	1400	Direction:	U/S		
U/S		Invert Lev	rel:		Function:	Function: S/W		
Р	VC	Pipe Dia:		100				
Test:		Drain Bre	ak-In:	No	Gully Condition:	As Built		
de Cloo	k Ref	Dia	Intru	ision	Shared Run:	No		
at	to	mm	%	mm	If Shared How:			
					Remarks	Surface Material	Length (m)	
L			20		Water level	concrete	1.8	
t					Line deviates right			
t					Slight			
1			100		Debris			
1					Capped end			
		_			_			
N	H2	Invert Lev	rel:	670	Direction:	U/S		
ι	I/S	Invert Lev	rel:		Function:	S/W		
P	VC	Pipe Dia:		100				
Test:		Drain Bre	ak-In:	No	Gully Condition:			
de Cloc	k Ref	Dia	Intru	ision	Shared Run:	No		
at	to	mm	%	mm	If Shared How:			
					Remarks	Surface Material	Length (m)	
1 9		100			Run 3	concrete	11.7	
₹.					Line deviates right			
1 2		100			RWP1			
L			5		Water level			
S			5		Debris silt			
ł					Line deviates right			
S			10		Debris silt			
3		100			YG1			
S			10		Debris silt			
1					Reached capped off run			
							•	
	P Test: M	PVC Test:	PVC Pipe Dia: Test: Drain Bre le Clock Ref at to mm MH2 Invert Lev U/S PVC Pipe Dia: Test: Drain Bre le Clock Ref at to mm Test: Drain Bre le Clock Ref at to mm Test: Drain Bre le Clock Ref at to mm Test: Drain Bre le Clock Ref at to mm Test: Drain Bre le Clock Ref at to mm Test: Drain Bre le Clock Ref Dia Test: Drain Bre	PVC	PVC	PVC	PVC	

Run:	3								
From:		INI in	Pun 2	Invert Lev	rol:		Direction:	U/S	
		Invert Level:			6.0100.00170.0000.0000	Comb			
To:				-	/ei:		Function:	Comb	
Pipe Mater			VC	Pipe Dia:		100			
Water/Pres				Drain Bre		No	Gully Condition:		
Distance	Code		k Ref	Dia	11.000.000	usion	Shared Run:	No	
(m)		at	to	mm	%	mm	If Shared How:		
0.00	ST						Remarks	Surface Material	Length (m)
0.40	LL						Line deviates left	concrete	3.1
0.80	JN	3		100			YG2		
1.90	JN	10		100			RWG1		
2.40	LL						Line deviates left		
2.80	LU						Line deviates up		
3.10	FH						Reached SVP1		
Comments:	:								
Run:	4								
From:	_ +	INLin	Run 3	Invert Lev	l.		Direction:	U/S	
To:			/G1	Invert Lev		-	Function:	S/W	
		-	/GI	-	/ei:	400	Function:	5/ VV	
Pipe Mater		_	VC	Pipe Dia:	and the same	100		A - Posite	
Water/Pres	_			Drain Bre		No .	Gully Condition:	As Built	
Distance	Code	0.000	k Ref	Dia		usion	Shared Run:	No	
(m)		at	to	mm	%	mm	If Shared How:		T
0.00	ST						Remarks	Surface Material	Length (m)
0.00	LU						Line deviates up	concrete	0.2
0.20	FH						Reached RWG1		
Comments:	3								
Run:	5						_		
From:		М	H2	Invert Lev	rel:	670	Direction:	D/S	
To:		М	H4	Invert Lev	rel:		Function:	Comb	
Pipe Mater	ial:	V	'C	Pipe Dia:		100			
Water/Pres	sure Te	st:		Drain Bre	ak-In:	No	Gully Condition:		
Distance	Code	Cloc	k Ref	Dia	Intru	usion	Shared Run:	No	
(m)		at	to	mm	%	mm	If Shared How:		
0.00	ST						Remarks	Surface Material	Length (m)
0.10	МС						to Liner	concrete	0.2
3.90	МС						to Cast	under house	
4.00	LR						Line deviates right		
7.00	MC						to VC		
7.80	MC						to Cast		
9.80	MC						to VC		
9.90	МН						Manhole		
10.30	MC						to Liner		
15.00	FH						Reached MH4		
Comments:		<u> </u>				L	neached Wiff4		1
comments	•								

Run:	6								
From:	From: RWP1		Invert Level:			Direction:	D/S		
To:	To: Run 2		Invert Lev	/el:		Function:	S/W		
Pipe Mater	Pipe Material: PVC		Pipe Dia:		100				
Water/Pres	Water/Pressure Test:			Drain Break-In:		Yes	Gully Condition:		
Distance	Code	Cloc	k Ref	Dia	Dia Intrus		Shared Run:	No	
(m)		at	to	mm	%	mm	If Shared How:		
0.00	ST						Remarks	Surface Material	Length (m)
0.00	LD						Line deviates down	concrete	1.1
0.40	GO						line levels		
1.10	FH						Reached Run 2		
Comments:									
						•			

