CET PROPERTY ASSURANCE Giving our all

SITE INVESTIGATION
FACTUAL REPORT

Report No: [redacted]

Client: Sedgwick International UK - Maidstone

Site: 88 Albert Street

Client Ref: [redacted]

Date of Visit: 09/12/2019

ISO 9001 REGISTERED FIRM | ISO 14001 REGISTERED FIRM | OHSAS 18001 REGISTERED FIRM | Link-up Qualified via Audit | Safecontractor Approved | CHAS Accredited Contractor | constructionline

[redacted]

[redacted]

Investigation Layout Plan

Sheet: 1 of 1

Job No: [redacted]

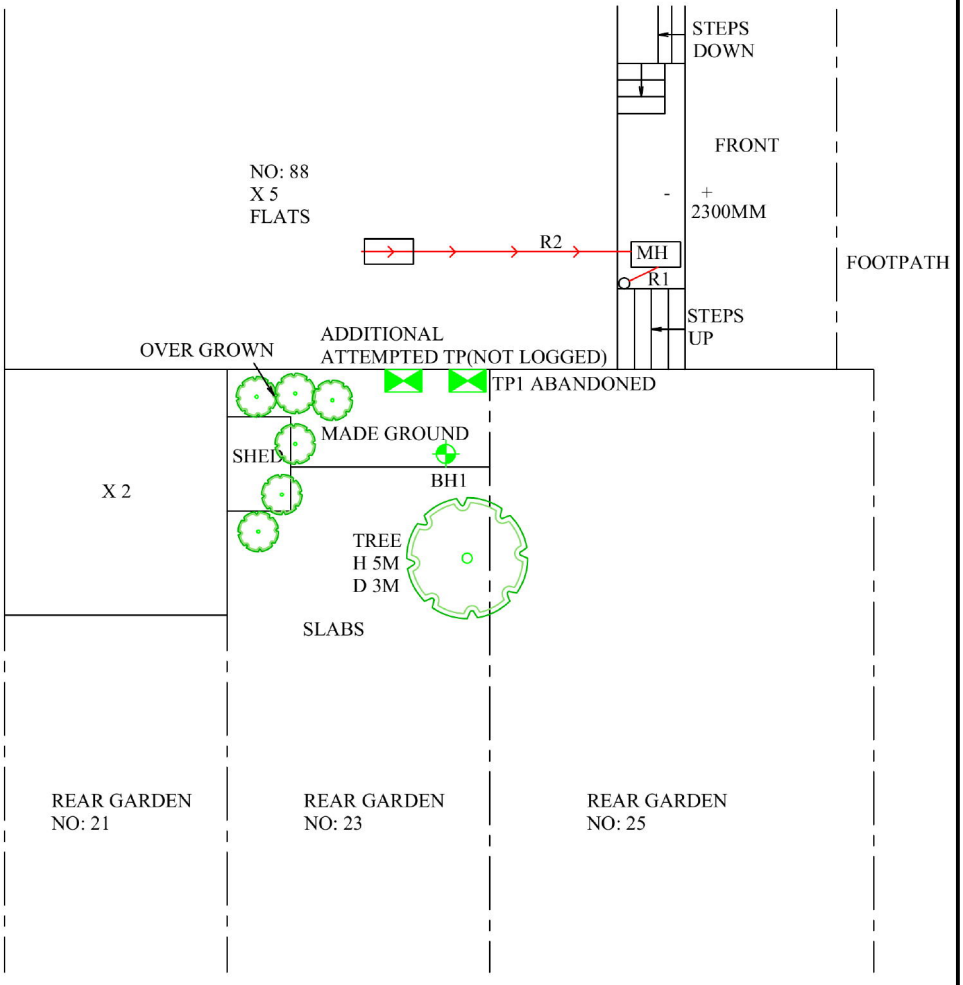
Date: 09/12/2019

Site: 88 Albert Rd NW1

Work carried out for: Sedgwick International UK

Weather: DRY

(SI) PS (Checked) CFT (Drawn)



Water Supply : Inhouse - outside Tap
Power : Internal - External - None
Parking : Onsite - Road - red Route - Metered - Permit - Other
Site Access : Good - Bad (explain)

FRONT OF PROPERTY
ON SITE TREE IDENTIFICATION FOR GUIDANCE ONLY. NOT AUTHENTICATED.

Remarks: TP/BH2 NOT CARRIED OUT, SHED AND VEGETATION OBSTRUCT PROPOSED POSITION

Key:

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

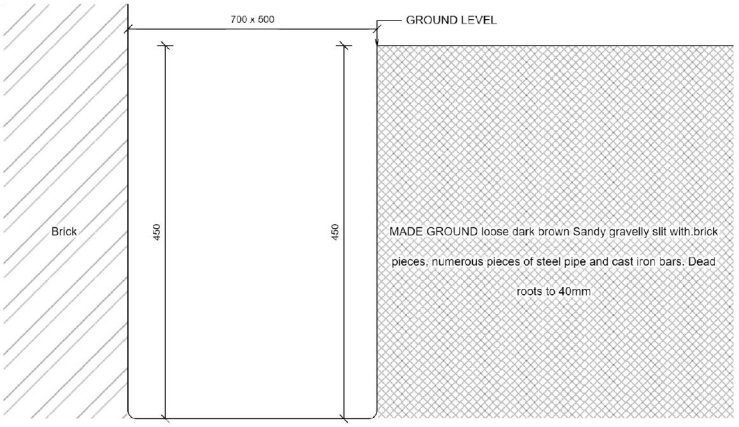
Scale: N.T.S.

PROPERTY ASSURANCE
Giving our all

TEST REPORT: **Trial Pit**

REPORT NUMBER: [redacted]

TRIAL PIT REF:	TP1	DATE:	09/12/2019
CLIENT:	Sedgwick International UK	SITE:	88 Albert Street
JOB NO:	[redacted]	WEATHER:	Dry
EXCAVATION METHOD:	Hand tools		



Trial pit abandoned at 450mm

TP abandoned at 450mm made ground obstructs. An additional TP was attempted (see site plan) with similar results , not sketched. BH augered outside TP

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.
Amended report.This test report supersedes test report version 1

For and on behalf of CET
Phil Snowden - Geotechnical Manager

[redacted]

Approved Signatory
11-Dec-19

Report Format:

[redacted]

[redacted]

[redacted]

Borehole	1		Sheet:	1 of 1	Site:	88 Albert Street
			Job No:	[redacted]		
			Date:	09/12/2019		
Boring Method:	Hand Auger		Ground Level:		Client:	Sedgwick International UK - Maidstone
Diameter (mm):	75	Weather:	Dry			

Depth	Soil Description	Thickness	Legend	Samples and Tests		
(m)				Depth	Type	Result
0.00	MADEGROUND medium compact dark brown sandy gravelly silt with brick fragments	1.30		1.00	DM	18
						27
						14
1.30	MADEGROUND medium compact brown sandy silty clay with brick fragments and gravel	0.60				19
				1.50	DM	28
						30
						36
						40
1.90	Stiff brown silty CLAY	0.80				
				2.00	DV	130+
						130+
				2.50	DV	130+
						130+
2.70	End of BH					

Remarks:
BH ends at 2.7m, too stiff to hand auger. BH dry and open on completion.No roots observed below 2m.

Key:
D - Disturbed Sample
B - Bulk Sample
W - Water Sample
J - Jar Sample
V - Pilcon Shear Vane (kPa
M - Mackintosh Probe
TDTD - Too Dense To Drive

	To Depth (m)	Max Dia (mm)
Roots	2.00	2
Roots		
Roots		
Depth to Water (m)		

Logged:	AH	PS	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.

Laboratory Summary Results

Our Ref : [redacted]

Location : 88, Albert Street, London

Client: Sedgwick International UK - Maidstone

Address: [redacted]

Date Sampled: 09/12/2019

Date Received : 16/12/2019

Date Tested : 17/12/2019

Date of Report : 19/12/2019

Sample Ref																				
TP/BH No	Depth (m)	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 (h)	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) SO_3 [14]	Sulphate Content * (g/l) SO_4 [15]	* Class [16]
BH1	1.0	D	18	61																
	1.5	D	19	22	60	24	36	-0.13	28	CH										
	2.0	D	24	<5											> 130					
	2.5	D	24	<5	76	24	52	0.00	52	CV					> 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] In-house method S5a adapted from BRE IP 4/93

[9] In-house Test Procedure S17a: One Dimensional Swell/Strain Test

[10] Estimated Heave Potential (Dd)

[11] Values of shear strength were determined in situ by CET using a Pilcon hand vane or Geonor 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] $SO_3 = 1.2 \times SO_4$

[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.

* 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
UIS	Underside of Foundation

UKAS TESTING

Test results reported relate only to the items tested.

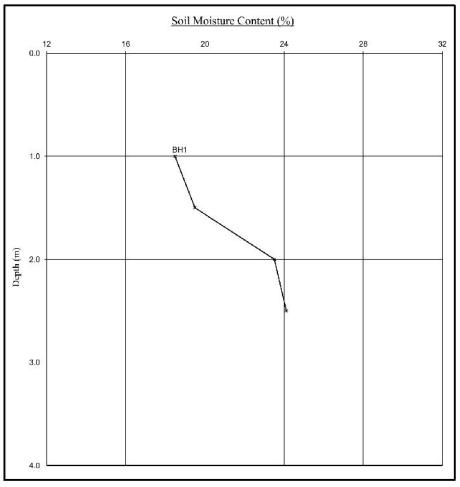
[redacted]

Version: 5BH V1.6 - 26.02.19

8618

Moisture Content Profiles

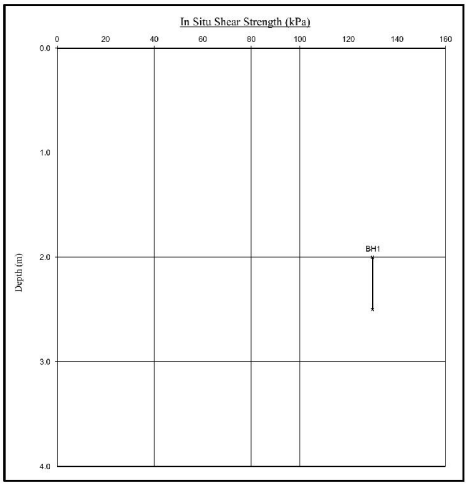
Our Ref : [redacted]
Location : 88, Albert Street, London
Work carried out for: Sedgwick International UK - Maidstone



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 : 09/12/2019
Date Received : 16/12/2019
Date Tested : 17/12/2019
Date of Report : 19/12/2019



Note
1. Unless otherwise stated, values of Shear Strength were determined in situ by CPT 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.

EPSL ***European Plant Science Laboratory***	Sheet: 1 of 1 Job No: [redacted] Date: **12/12/2019** Order No: [redacted] EPSL Ref: [redacted]	Site: **88 Albert Road,** Work carried out for: **Sedgwick International UK**

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 number	**Root diameter (mm)**	**Tree, shrub or climber from which root originates**	**Result of starch test**
BH1 (to 2m)	1.5 mm	Hedera or Fatsia spp. 2 roots	Positive

Hedera spp. include ivy; Fatsia spp. are shrubs closely related to ivy.

[redacted]

MDM

[redacted]

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

Consultant: Dr M P Denne B.Sc. (Hons), M.Sc., Ph.D

[redacted]

To: Sedgwick International UK - Maidstone
4 North Court
South Park Business Village
Armstrong Road
Kent
ME15 6JZ

[redacted]

Date: **09-Jan-20**

Fao: Gavin Cutheline

ESTIMATE

Site:- 88 Albert Street

Item		Amount
	No recommendations required to the private drainage surveyed.	

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

[redacted]

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.

Coding Sheet

Sheet:	1	Site:	88 Albert Street		
Job No.:	[redacted]				
Date:	[redacted]	Client:	Sedgwick International UK - Maidstone		

Run: 1

From:	MH1	Invert Level:	1100	Direction:	U/S
To:	svp 1	Invert Level:		Function:	F/W
Pipe Material:	VC	Pipe Dia:	100		
Water/Pressure Test:		Drain Break-In:	No	Gully Condition:	
		Intrusion		Shared Run:	Yes
		%	mm	If Shared How:	With flats

Distance (m)	Code	Clock Ref at	Clock Ref to	Dia mm	Remarks	Surface Material	Length (m)
0.00	ST						
0.40	LU				Line deviates up	broken concrete	0.7
0.70	FH				at svp 1		

Comments:

Run: 2

From:	MH1	Invert Level:	1100	Direction:	U/S
To:	U/S	Invert Level:		Function:	F/W
Pipe Material:	VC	Pipe Dia:	150		
Water/Pressure Test:		Drain Break-In:	No	Gully Condition:	
		Intrusion		Shared Run:	Yes
		%	mm	If Shared How:	With flats

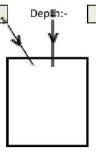
Distance (m)	Code	Clock Ref at	Clock Ref to	Dia mm	Remarks	Surface Material	Length (m)
0.00	ST						
6.10	JDM				Joint displaced medium	broken concrete	0.7
6.40	GO				at concealed mh 2	under x 3	
7.10	DC			100	Diameter change		
7.10	FH				Unable to push over lip of diameter change		

Comments:

Manhole Details

Sheet:	1 of 1	Site:	88 Albert Street
Job No.:	[redacted]		
Date:	06/01/20	Client:	Sedgwick International UK - Maidstone

MH:- MH1 Depth:- 1100 (mm)



Depths of run if different to invert level:-

Run	Depth (mm)

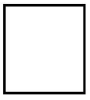
Manhole Condition:- Poor

Reasons for poor condition.

loose brick work

Chamber Dimension:- 650 / 450 (mm)

MH:- Depth:- (mm)



Depths of run if different to invert level:-

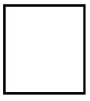
Run	Depth (mm)

Manhole Condition:-

Reasons for poor condition.

Chamber Dimension:- / (mm)

MH:- Depth:- (mm)



Depths of run if different to invert level:-

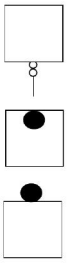
Run	Depth (mm)

Manhole Condition:-

Reasons for poor condition.

Chamber Dimension:- / (mm)

Key



Interceptor

Internal Back Drop.

External Back Drop.

Additional Comments for Poor Condition