SITE INVESTIGATION
FACTUAL REPORT

Report No: [redacted]

Client: Sedgwick International UK - Maidstone

Site: Camden Arts Centre, Arkwright Road

Client Ref: [redacted]

Date of Visit: 07/05/19

[redacted]

Investigation Layout Plan

Sheet: 1 of 1

Job No: [redacted]

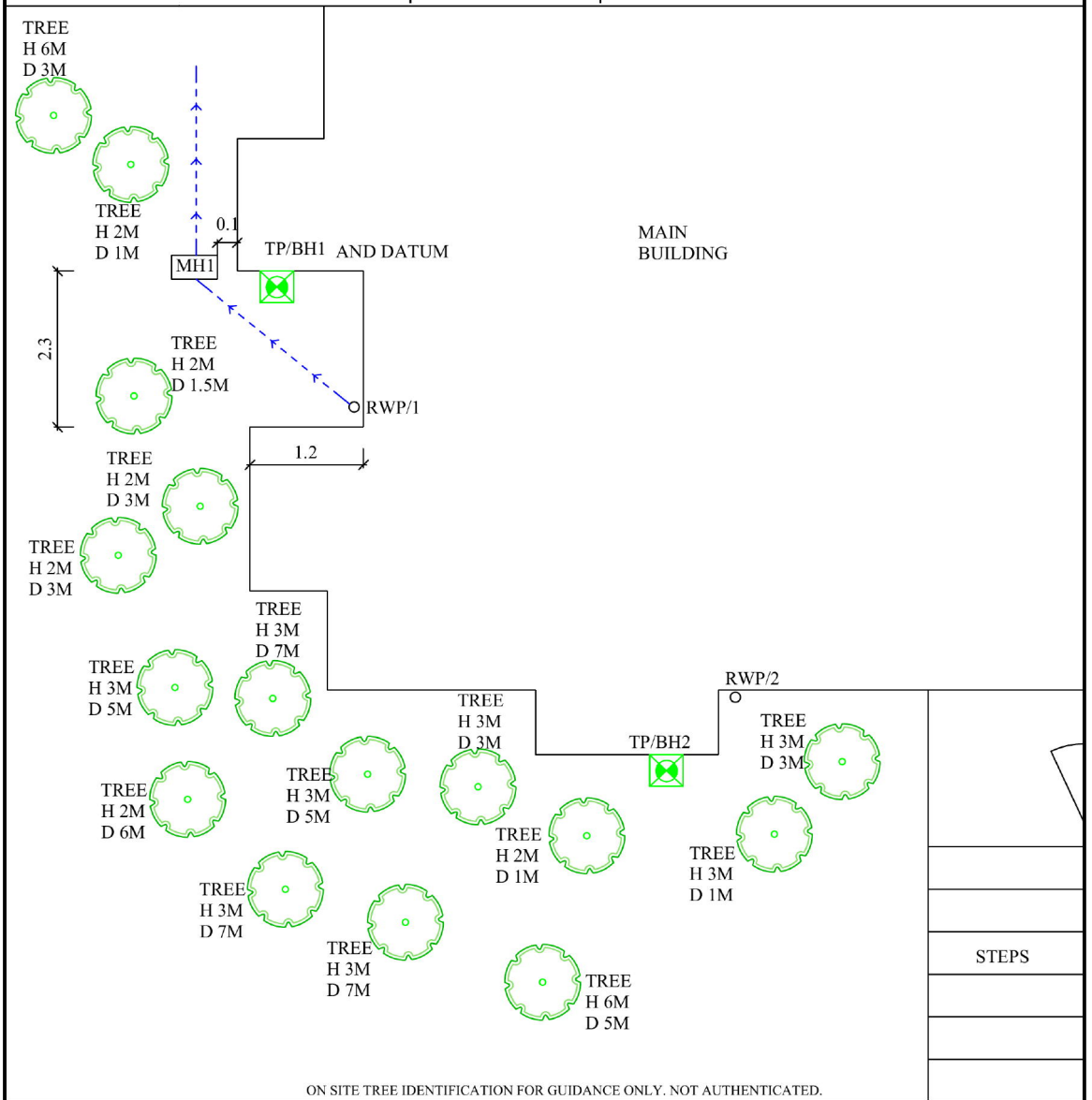
Date: 07/05/2019

Site: Camden Arts Center, NW3

Work carried out for: Sedgwick International UK

Weather: DRY

(SI) PS (Checked) CFT (Drawn)



ON SITE TREE IDENTIFICATION FOR GUIDANCE ONLY. NOT AUTHENTICATED.

Remarks: RWP/2 OVER 2M AWAY FROM TP2.
DATUM LID HAS ALLEN KEY SCREW FITTED WILL NEED ONE TO OPEN

Key:

Combined Gulley	RWWG
Manhole	MH
Rain Water Pipe	RWP
Rain Water Gulley	RWG
Soil Vent Pipe	SVP
Waste Gulley	WG
Waste Pipe	WP

Surface Water Drain

Foul Water Drain

Tree / Bush (approx. ht in m)

Trial Pit

Borehole

O/D - Open Discharge

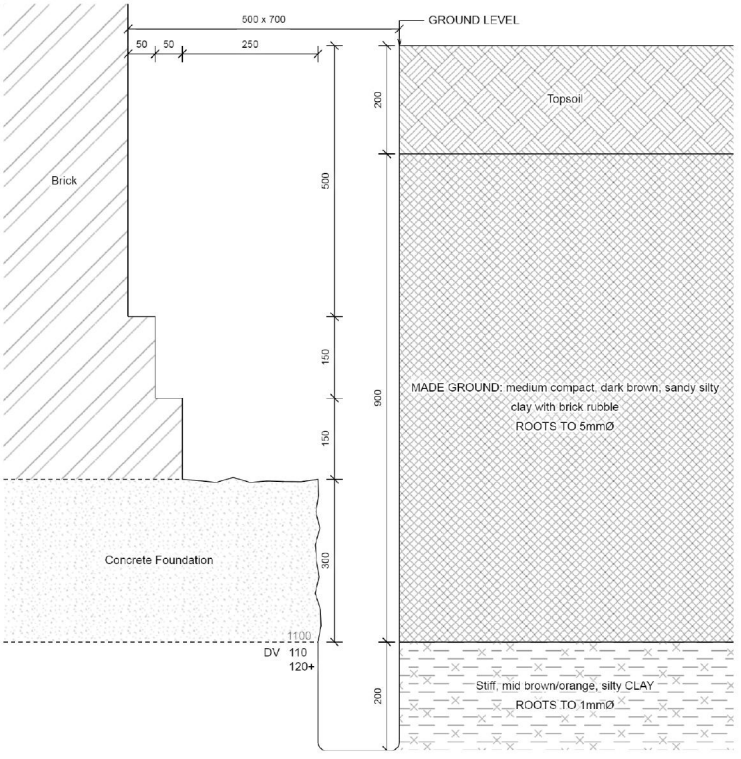
Scale: N.T.S.

PROPERTY ASSURANCE
Giving our all

TEST REPORT: **Trial Pit**

REPORT NUMBER: [redacted]

TRIAL PIT REF:	TP1	DATE:	16/05/2019
CLIENT:	Sedgwick International UK	SITE:	Camden Arts Centre, NW3 6DG
JOB NO:	[redacted]	WEATHER:	Dry
EXCAVATION METHOD:	Hand tools		



For Strata below 1300mm see Bore Hole log

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:

For and on behalf of CET
Sophie Cahalane - Admin Assistant

Approved Signatory
16-May-19

Report Format: [redacted]

[redacted]

[redacted]

Borehole	1 and Datum		Sheet:	1 of 1	Site:	Camden Arts Centre
			Job No:	[redacted]		
			Date:	07/05/2019		
Boring Method:	Hand Auger		Ground Level:		Client:	Sedgwick International UK - Maidstone
Diameter (mm):	75	Weather:	Dry			

Depth (m)	Soil Description	Thickness	Legend	Samples and Tests Depth	Type	Result
0.00	See Trial Pit	1.30				
1.30	Stiff orange-brown silty CLAY	0.20				
1.50	Stiff orange-brown silty CLAY with claystone nodules and crystals	3.50		1.50	DV	120+
						120+
				2.00	DV	120+
						120+
				2.50	DV	120+
						120+
				3.00	DV	120+
						120+
				3.50	DV	120+
						120+
				4.00	DV	120+
						120+
				4.50	DV	120+
						120+
5.00	End of BH			5.00	DV	120+
						120+

Remarks:
BH at 5m . BH dry and open on completion. Datum installed at 5m. No roots observed below 1.6m.

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
Roots
Roots
Roots
Depth to Water (m)

To Depth (m)	Max Dia (mm)
1.60	2

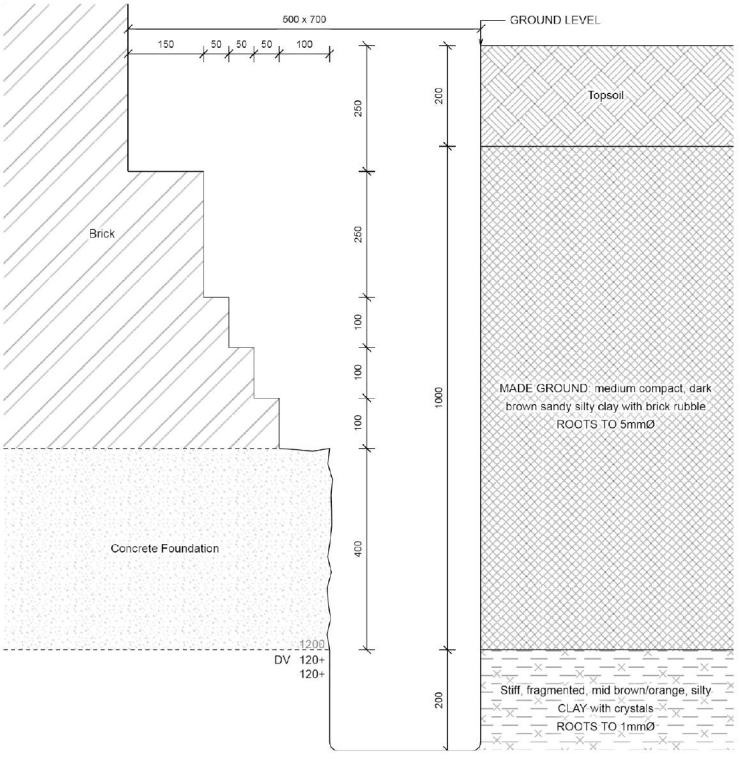
Logged:	DP	PS	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.

PROPERTY ASSURANCE
Giving our all

TEST REPORT: **Trial Pit**

REPORT NUMBER: [redacted]

TRIAL PIT REF:	TP2	DATE:	16/05/2019
CLIENT:	Sedgwick International UK	SITE:	Camden Arts Centre, NW3 6DG
JOB NO:	[redacted]	WEATHER:	Dry
EXCAVATION METHOD:	Hand tools		



For Strata below 1400mm see Bore Hole log

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:

For and on behalf of CET
Sophie Cahalane - Admin Assistant

Approved Signatory
16-May-19

Report Format: [redacted]

[redacted]

[redacted]

Borehole	2		Sheet:	1 of 1	Site:	Camden Arts Centre
			Job No:	[redacted]		
			Date:	07/05/2019		
Boring Method:	Hand Auger		Ground Level:		Client:	Sedgwick International UK - Maidstone
Diameter (mm):	75	Weather:	Dry			

Depth	Soil Description			Samples and Tests		
(m)		Thickness	Legend	Depth	Type	Result
0.00	See Trial Pit	1.40				
1.40	Stiff fragmented orange-brown silty CLAY with crystals	0.20		1.50	DV	120+
1.60	End of BH					120+

Remarks:
BH ends at 1.6m, too stiff/ hard to hand auger. BH dry and open on competion. There is limited access for the drill, three men will be required.

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
Roots
Roots
Roots
Depth to Water (m)

	To Depth (m)	Max Dia (mm)
	1.60	3

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

Laboratory Summary Results

Our Ref : [redacted]

Date Sampled: 07/05/19

Location : Camden Arts Centre, Akwright Road, London

Date Received : 10/05/19

Client: Sedgwick International UK - Maidstone

Date Tested : 11/05/19

Address: [redacted]

Date of Report : 21/05/19

Sample Ref TP/BH No	Sample Ref 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]
1	U/S 1.10	D	30	<5	74	27	47	0.06	47	CV	168	648			115					
	1.5	D	31	<5											> 120					
	2.0	D	31	<5	80	28	52	0.06	52	CV	168	577			> 120					
	2.5	D	34	<5											> 120					
	3.0	D	35	<5	84	29	55	0.11	55	CV	168	676			> 120					
	3.5	D	34	<5											> 120					
	4.0	D	35	<5							168	733			> 120					
	4.5	D	34	<5											> 120					
	5.0	D	34	<5							168	707			> 120					

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

[9] In-house method S9a 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] $SO_4 = 1.2 \times SO_3$

[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
U/S	Underside of Foundation

[redacted]

Version: 5BH V1.6 - 26.02.19

8618

Our Ref : [redacted]

Laboratory Testing Results

Date Sampled : 07/05/19

Location : Camden Arts Centre, Akwright Road, London

Date Received : 10/05/19

Client: Sedgwick International UK - Maidstone

Date Tested : 11/05/19

Address: [redacted]

Date of Report : 21/05/19

Sample Ref. TP/BH No.	Sample Ref. 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]
2	U/S 1.20	D	23	<5	71	21	50	0.05	50	CV	168	1110			> 120					
	1.5	D	23	<5	Insufficient sample for further testing										> 120					

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 : 1981 : Figure 31 - Plasticity Chart for the classification of fine soils

[8] In-house method S9a 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] $SO_4 = 1.2 \times SO_3$

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

None 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
UFS	Underside of Foundation

[redacted]

Version: 5BH V1.5 - 26.06.18

UKAS TESTING

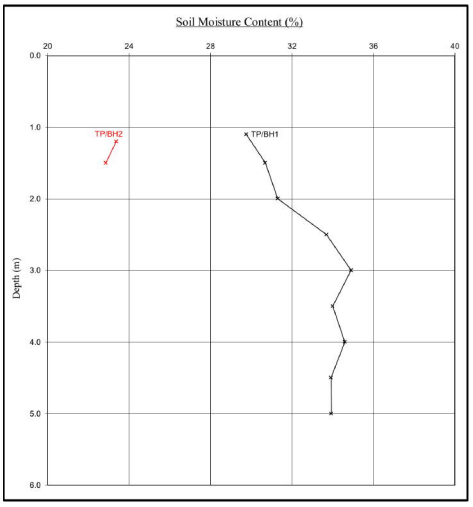
8618

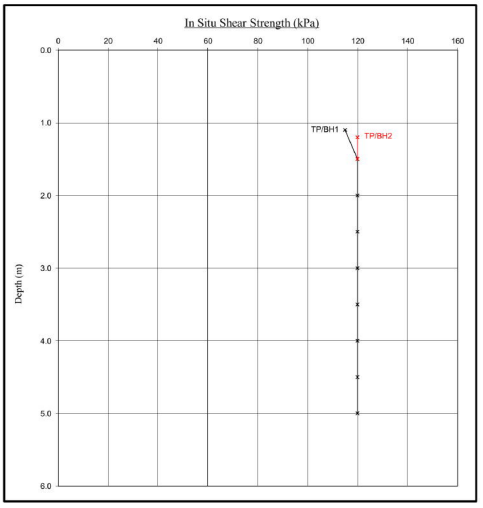
Moisture Content Profiles

Shear Strength Profiles

Our Ref : [redacted]
Location : Camden Arts Centre, Akwright Road, London
Work carried out for: Sedgwick International UK - Maidstone

Date Sampled : 07/05/19
Date Received : 10/05/19
Date Tested : 11/05/19
Date of Report : 21/05/19





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.

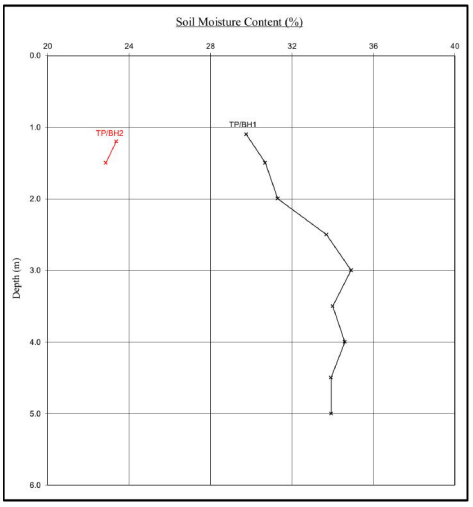
Note
1. Unless otherwise stated, values of Shear Strength were determined in situ by CET using a Pilcon Hand Vane the calibration of which is limited to a maximum reading of 120 kPa.
2. Unless specifically noted the profiles have not been related to a site datum.

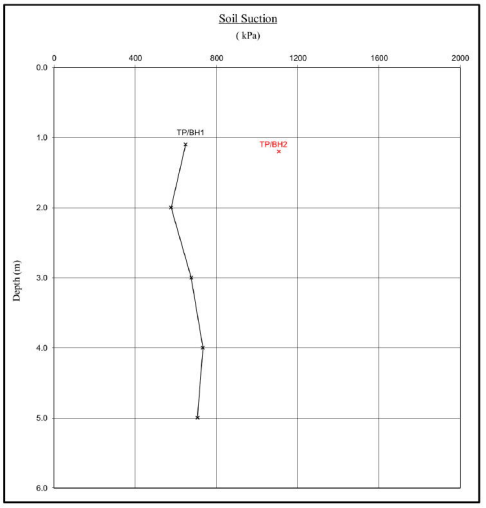
Moisture Content Profiles

Soil Suction Profiles

Our Ref : [redacted]
Location : Camden Arts Centre, Akwright Road, London
Work carried out for: Sedgwick International UK - Maidstone

Date Sampled : 07/05/19
Date Received : 10/05/19
Date Tested : 11/05/19
Date of Report : 21/05/19





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
When shown, the theoretical equilibrium suction profiles are based on conventional assumptions associated with London Clay (and similarly overconsolidated clays) at shallow depths. Note that the sample disturbance component is dependant on the method of sampling and any subsequent recompaction. The above plots show this to be 100kPa which is the value suggested by the BRE on the basis of their limited number of tests on recompacted samples. This may or may not be appropriate in this instance and judgement should be exercised.

EPSL ***European Plant Science Laboratory***	Sheet: 1 of 1 Job No: [redacted] Date: **07/06/2019** Order No: **1369130** EPSL Ref: [redacted]	Site: **Camden Art College, NW3** 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
TP1 (USF)	1 mm	Pomoideae gp. 2 roots	Positive
TP1 (USF)	<1 mm	probably Ligustrum spp. *	Positive
BH1 (to 1.6m)	1 mm	Pomoideae gp.	Positive
BH1 (to 1.6m)	<1 mm	Ligustrum spp. **	Positive
TP2 (USF)	1 mm	Hedera or Fatsia spp.	Positive
TP2 ()	1 mm	probably Prunus spp. ***	Positive
BH2 (to 1.6m)	3 mm	probably Prunus spp. *** 3 roots	Positive

* Very juvenile.
** Rather juvenile.
*** Poor condition - some lacking bark.

Pomoideae gp include apple, cotoneaster, hawthorn, pear, pyracantha, quince, rowan, snowy mespil and whitebeam.
Ligustrum spp. are privets.
Hedera spp. include ivy; Fatsia spp. are shrubs closely related to ivy.
Prunus spp. include blackthorn, cherry, cherry-laurel, Portuguese laurel, peach, plum, and related species.

[redacted]

RJS

[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
Plant Anatomist : Dr R J Shaw B.Sc. (Hons), 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

Our Ref: [redacted]

Your Ref:

Date: **30-May-19**

Ftao: Mark Wood

ESTIMATE

Site:- Camden Arts Centre, Arkwright Road

[redacted]

Item		
1.0	Location	**MH 1 upstream to RWP1 - Run 1.**
	Shared System	No
	Condition Grade	B
	Drain Serviceability	Unserviceable
	Work Spec	Excavate and replace rest bend plus pipe work downstream to manhole.
2.0	Location	**MH 1 downstream - Run 2.**
	Shared System	No
	Condition Grade	0
	Drain Serviceability	0
	Work Spec	From manhole high pressure water jet to clear run and CCTV, report back with findings.

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.

ESTIMATING & COSTING SHEET - DOMESTIC DRAINAGE

Site:- **Camden Arts Centre, Arkwright Road**

Client :- **Sedgwick International UK - Maidstone**
Attention of:- **Mark Wood**

Client ref	[redacted]
Job Number :-	
Insurer	Zurich Municipal
Date:-	30-May-19
Recommendation	1

Item No	Description MH 1 upstream to RWP1 - Run 1.	Unit	Quantity
1.0	**Emergency Drain Blockage Clearance**		
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item	
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item	
1.3	Unblock drain 6pm-midnight	Item	
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item	
2.1	**CCTV Surveys**		
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item	
2.3	Additional 1/2 hr survey charge	Item	
3.0	**Replacing Underground Drainage**		
3.1	**Gullies**		
3.2	Take out and replace gulley (100mm outlet)	Item	
3.3	Take out and replace rodding point (100mm outlet)	Item	
3.4	**Bends/junctions**		
3.5	Excavate and replace rest bend (100mm outlet)	Item	1
3.6	Excavate and replace rest bend (150mm outlet)	Item	
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item	1
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item	
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item	
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item	
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item	
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item	
3.13	**Pipes**		
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m	3
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m	
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m	
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m	
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m	
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m	
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m	
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m	
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m	
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m	
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m	
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m	
3.26	**Surface Reinstatement of Trenches**		
3.27	Excavate through and reinstate turf.		
3.28	Excavate through and replace concrete paving slabs	m	
3.29	Excavate through and replace block paving	m	
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m	
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m	
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m	
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m	
3.34	Excavate through and reinstate Tarmac - Cold rolled	m	
3.35	Excavate through and reinstate Tarmac - Hot rolled	m	
3.36	Reinstatement of crazy paving	m	
4.0	**Lining**		
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item	
4.2	Line 100mmØ drain	m	
	Super Flex Liner 100mm drain	m	
4.3	Line 150mmØ drain	m	
	Super Flex Liner 150mm drain	m	
4.4	Post lining CCTV survey	no	
4.5	Minimum lining charge	Item	
4.6	Root cutting of drain prior to lining	hr	
4.7	Set up lining rig for patch lining	Item	
4.8	Patch line 100mmØ drain	no	
4.9	Patch line 150mmØ drain	no	
4.10	Post patch lining CCTV survey	Item	
4.11	Minimum patch lining charge	Item	
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no	
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no	
	Epoxy resin	no	
5.0	**Miscellaneous**		
5.1	Excavation and backfill of soakaway (1m3) with stone	Item	
5.2	% Uplift on disbursements and suppliers charges	%	
5.3	Daywork - Hourly labour rate	hr	
5.4	Minimum project value	Item	
5.5			
5.6			
5.7			
5.8			
6.0	**Additional items**		
6.1	De-scaling (fat/grime)	hr	
6.2	De-scaling (scale using chain flails)	hr	
6.3	Gully surround	item	
6.4	Manhole works (up to 1.2m)	item	
6.6	Oversize soakaway (1.5m3)	item	
6.7	Soakaway >1.5m3	item	
6.8	Waste disposal	m	3
6.9	Shoring	m	0
	Total Estimate Price For Recommendation Number		1.0
	Subject to discount		**0.00**
	Total subject to VAT @ 20%		

Note: Subject to the attached Terms and Condtions
A - When calculating prices, all measurements are rounded up
B - Depths are taken to the base of excavations
C - Every effort will be made to match existing surfaces where disturbed although this cannot be guaranteed
D - All rates exclude VAT
G - Daywork rates do not include for materials that are charged at cost plus 25%
F - The above rates are subject to re-measurement
KEY: ne = not exceeding, eo = extra over rate, m = linear metre, nr = number, hr = hour
E - Depths are taken to the base of excavations

ESTIMATING & COSTING SHEET - DOMESTIC DRAINAGE

Site:- **Camden Arts Centre, Arkwright Road**

Client :- **Sedgwick International UK - Maidstone**
Attention of:- **Mark Wood**

Client ref	[redacted]
Job Number :-	
Insurer	Zurich Municipal
Date:-	30-May-19
Recommendation	2

Item No	Description MH 1 downstream - Run 2.	Unit	Quantity
1.0	**Emergency Drain Blockage Clearance**		
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item	
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item	
1.3	Unblock drain 6pm-midnight	Item	
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item	
2.1	**CCTV Surveys**		
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item	1
2.3	Additional 1/2 hr survey charge	Item	
3.0	**Replacing Underground Drainage**		
3.1	**Gullies**		
3.2	Take out and replace gulley (100mm outlet)	Item	
3.3	Take out and replace rodding point (100mm outlet)	Item	
3.4	**Bends/junctions**		
3.5	Excavate and replace rest bend (100mm outlet)	Item	
3.6	Excavate and replace rest bend (150mm outlet)	Item	
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item	
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item	
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item	
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item	
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item	
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item	
3.13	**Pipes**		
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m	
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m	
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m	
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m	
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m	
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m	
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m	
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m	
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m	
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m	
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m	
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m	
3.26	**Surface Reinstatement of Trenches**		
3.27	Excavate through and reinstate turf.		
3.28	Excavate through and replace concrete paving slabs	m	
3.29	Excavate through and replace block paving	m	
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m	
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m	
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m	
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m	
3.34	Excavate through and reinstate Tarmac - Cold rolled	m	
3.35	Excavate through and reinstate Tarmac - Hot rolled	m	
3.36	Reinstatement of crazy paving	m	
4.0	**Lining**		
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item	
4.2	Line 100mmØ drain	m	
	Super Flex Liner 100mm drain	m	
4.3	Line 150mmØ drain	m	
	Super Flex Liner 150mm drain	m	
4.4	Post lining CCTV survey	no	
4.5	Minimum lining charge	Item	
4.6	Root cutting of drain prior to lining	hr	
4.7	Set up lining rig for patch lining	Item	
4.8	Patch line 100mmØ drain	no	
4.9	Patch line 150mmØ drain	no	
4.10	Post patch lining CCTV survey	Item	
4.11	Minimum patch lining charge	Item	
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no	
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no	
	Epoxy resin	no	
5.0	**Miscellaneous**		
5.1	Excavation and backfill of soakaway (1m3) with stone	Item	
5.2	% Uplift on disbursements and suppliers charges	%	
5.3	Daywork - Hourly labour rate	hr	
5.4	Minimum project value	Item	
5.5			
5.6			
5.7			
5.8			
6.0	**Additional items**		
6.1	De-scaling (fat/grime)	hr	1
6.2	De-scaling (scale using chain flails)	hr	
6.3	Gully surround	item	
6.4	Manhole works (up to 1.2m)	item	
6.6	Oversize soakaway (1.5m3)	item	
6.7	Soakaway >1.5m3	item	
6.8	Waste disposal	m	
6.9	Shoring	m	
	Total Estimate Price For Recommendation Number		2.0
	Subject to discount		**0.00**
	Total subject to VAT @ 20%		

Note: Subject to the attached Terms and Condtions
A - When calculating prices, all measurements are rounded up
B - Depths are taken to the base of excavations
C - Every effort will be made to match existing surfaces where disturbed although this cannot be guaranteed
D - All rates exclude VAT
G - Daywork rates do not include for materials that are charged at cost plus 25%
F - The above rates are subject to re-measurement
KEY: ne = not exceeding, eo = extra over rate, m = linear metre, nr = number, hr = hour
E - Depths are taken to the base of excavations

Coding Sheet

Sheet:		Site:	Camden Arts Centre	
Job No.:	[redacted]			
Date:	07/05/19	Client:	Sedgwick International UK - Maidstone	

Run: 1

From:	MH1	Invert Level:	500	Direction:	U/S
To:	RWP/1	Invert Level:		Function:	S/W
Pipe Material:	VC	Pipe Dia:	150		
Water/Pressure Test:		Drain Break-In:		Gully Condition:	
				Shared Run:	No
				If Shared How:	

Distance (m)	Code	Clock Ref at	Clock Ref to	Dia mm	Intrusion %	Intrusion mm	Remarks	Surface Material	Length (m)
0.00	ST								
0.00	WL				20		Water level	TOP SOIL	
0.10	LL						SLIGHT		
1.30	CC	11	4				Crack circumferential		
2.00	H	12					HOLE IN PIPE		
2.10	CC	12	12				Crack circumferential		
2.10	DES				5		Debris silt		
2.20	CL						Crack longitudinal		
2.70	LU						Line deviates up		
2.80	FH						End of survey		

Comments:

Pipe work is super sleeve and would not recommend lining as the PSI will break pipe work.

Run: 2

From:	MH/1	Invert Level:	500	Direction:	
To:	D/S	Invert Level:		Function:	S/W
Pipe Material:	VC	Pipe Dia:	150		
Water/Pressure Test:		Drain Break-In:		Gully Condition:	
				Shared Run:	No
				If Shared How:	

Distance (m)	Code	Clock Ref at	Clock Ref to	Dia mm	Intrusion %	Intrusion mm	Remarks	Surface Material	Length (m)
0.00	ST								
0.00	WL				40		Water level	TOP SOIL	
0.10	DES				40		Debris silt		
3.00	FH						REACHED 3M DOWNSTREAM		

Comments:

Unable to see clearly due to water and silt in run.