

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



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



Investigation Layout Plan

Sheet: 1 of 1

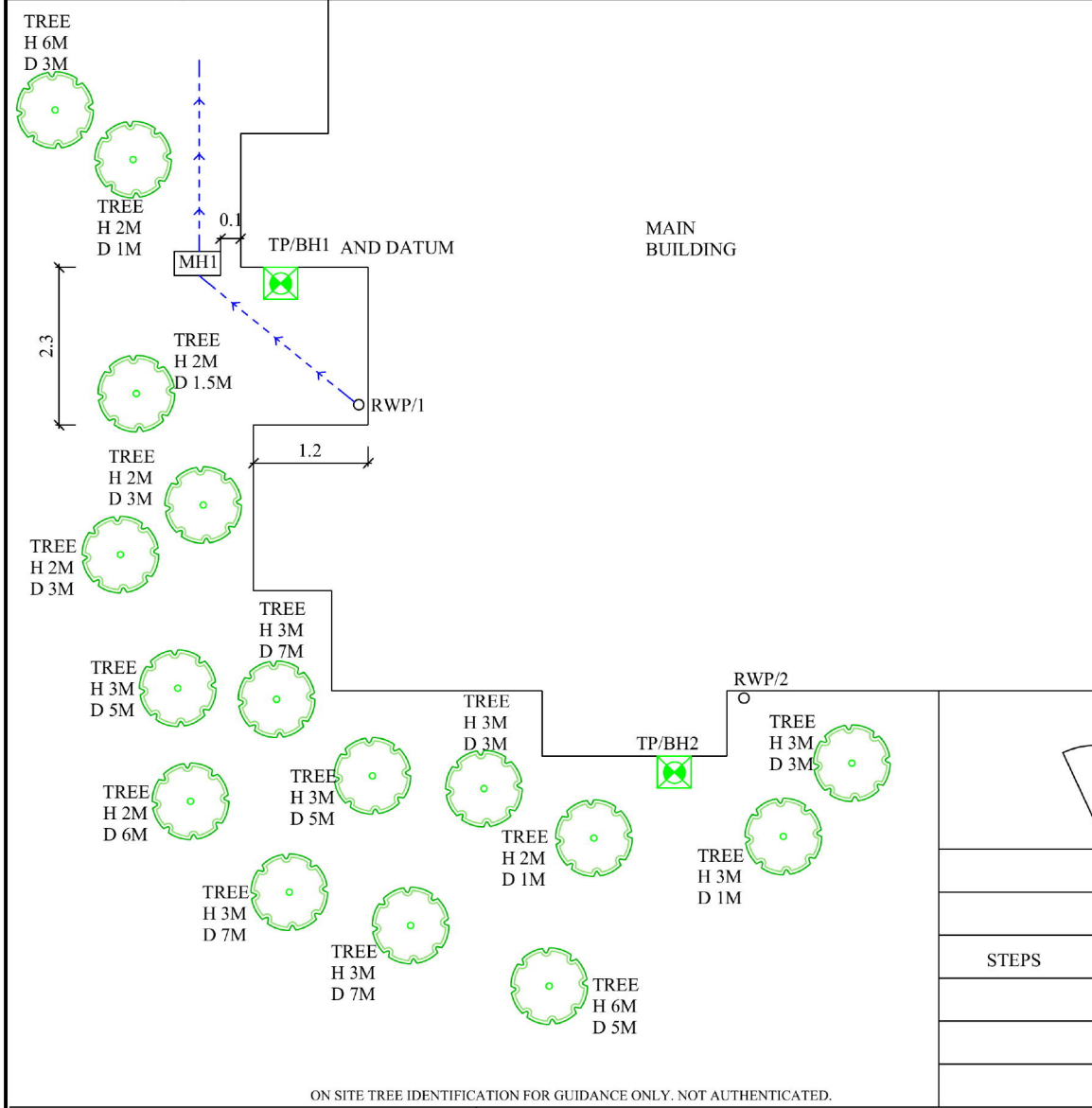
Date: 07/05/2019

Site: Camden Arts Center, NW3

Work carried out for: Sedgwick International UK

(SI) PS (Checked) CFT (Drawn)

Weather: DRY



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

Scale: N.T.S.

TEST REPORT: Trial Pit

REPORT NUMBER: [REDACTED]

TRIAL PIT REF: TP1

CLIENT: Sedgwick International UK

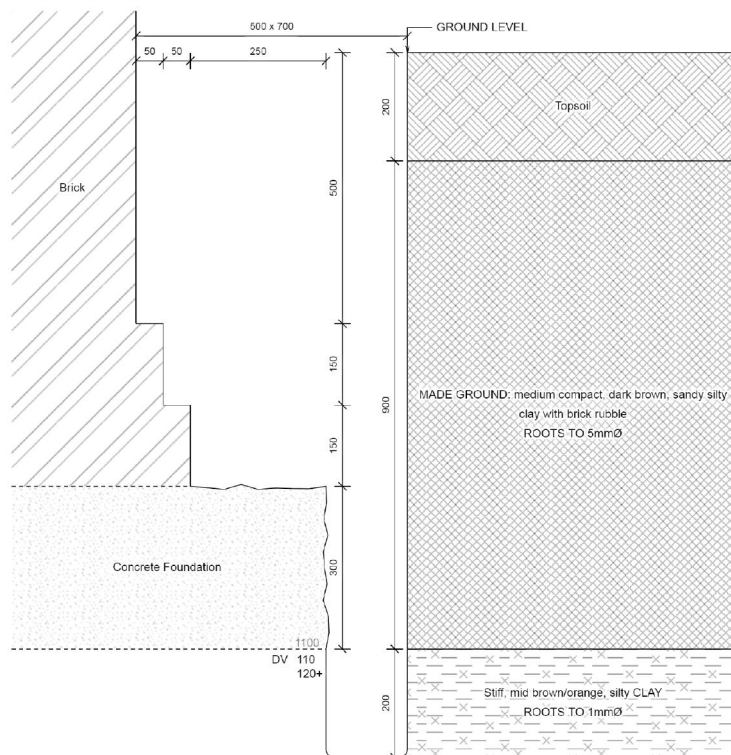
JOB NO: [REDACTED]

EXCAVATION METHOD: Hand tools

DATE: 16/05/2019

SITE: Camden Arts Centre, NW3 6DG

WEATHER: Dry



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

Report Format:

[REDACTED]

[REDACTED]

Approved Signatory
16-May-19

[REDACTED]

Report version 1

Page 1 of 1

Borehole		1 and Datum		Sheet:	1 of 1	Site:	Camden Arts Centre	
Boring Method:		Hand Auger		Job No:		Client: Sedgwick International UK - Maidstone		
Diameter (mm):		75	Weather:	Dry	Date:	07/05/2019	Ground Level:	
Depth	Soil Description			Thickness	Legend	Samples and Tests		
(m)						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 Roots J - Jar Sample Roots V - Pilcon Shear Vane (kPa) Roots M - Mackintosh Probe Depth to Water (m) TDTD - Too Dense To Drive		To Max Depth Dia (m) (mm) 1.60 2		
Logged:	DP	PS	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.	

TEST REPORT: Trial Pit

REPORT NUMBER: [REDACTED]

TRIAL PIT REF: TP2

CLIENT: Sedgwick International UK

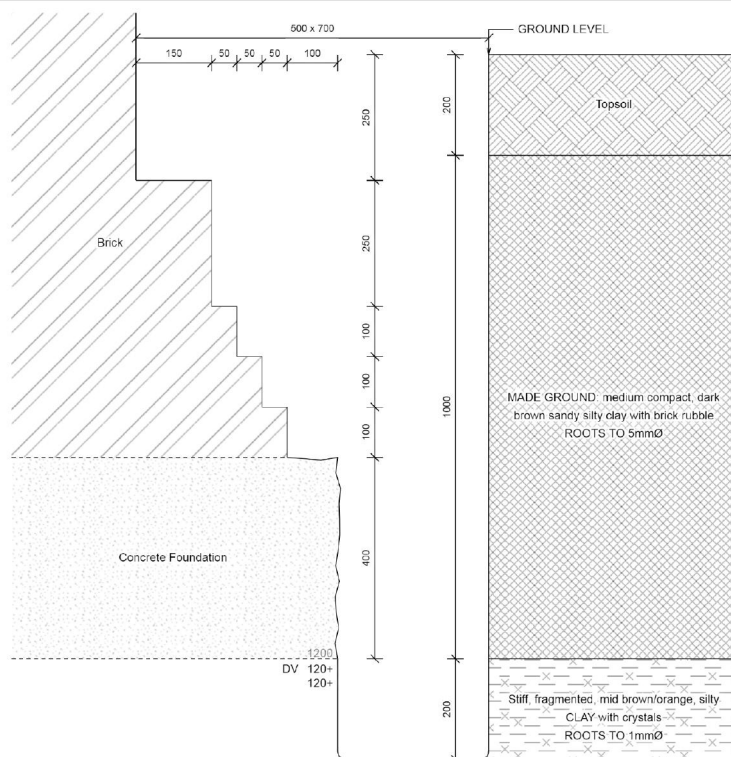
JOB NO: [REDACTED]

EXCAVATION METHOD: Hand tools

DATE: 16/05/2019

SITE: Camden Arts Centre, NW3 6DG

WEATHER: Dry



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

Report Format:



Approved Signatory
16-May-19



Report version 1

Page 1 of 1

Borehole		2	Sheet:	1 of 1	Site:	Camden Arts Centre	
Boring Method:		Hand Auger	Job No:		Client:		
Diameter (mm):		75	Date:	07/05/2019	Sedgwick International UK - Maidstone		
Weather:		Dry	Ground Level:				
Depth	Soil Description				Thickness	Legend	Samples and Tests
(m)							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 completion. There is limited access for the drill, three men will be required.					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 Max Depth Dia (m) (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

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)		* Class [16]	
																		SO3 [14]	SO4 [15]		
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								733			> 120						
	4.5	D	34	<5											> 120						
	5.0	D	34	<5								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: 2008: Figure 8 - Plasticity Chart for the classification of fine soil.

- [8] In-house method S9a adapted from BRE IP 450
- [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 Ploem hand vane or Geotest 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] SO₃ - 1.2 x SO₄

- [16] BRE Special Digest One (Concrete in Aggressive Ground) August 2006
- 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 suspension 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 Ground-water sample
- ENP Essentially Non-Plastic by inspection
- US Underside of Foundation



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

TP/BH No.	Sample Ref.		Type	Moisture Content (%) [11]	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)		* Class [16]
	Depth (m)																		S03 [14]	S04 [15]	
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																

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] BS 1377: Part 2: 1990, Test No 5.4
- [7] BS 9930: 1981, Figure 31 - Plasticity Chart for the classification of fine soils.

- [8] In-house Test Procedure S17: One Dimensional Swell/Shrink Test
- [9] Estimated Heave Potential (Dd)
- [10] Values of shear strength were determined in situ by CPT using a Picon hand vane or Geotest vane (GV).
- [11] BS 1377: Part 3: 1990, Test No 4
- [12] BS 1377: Part 3: 1990, Test No 9
- [13] BS 1377: Part 3: 1990, Test No 5.6
- [14] S03, ~12 x 50,
- [15] S04, ~12 x 50,

- [16] BS 1377: Special Digest One (Concrete in Aggressive Ground) August 2006
- 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
- IS Inside of Foundation

Version: SBH V1.5 - 26.06.18

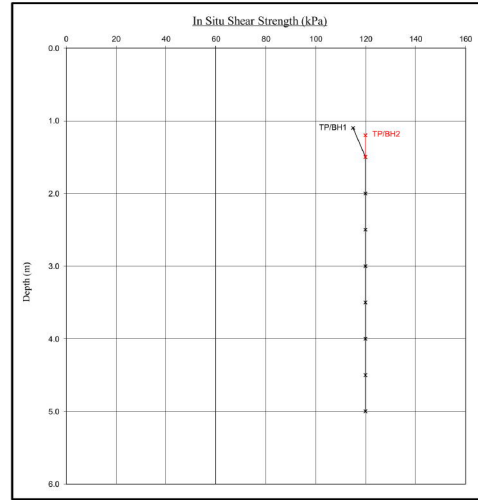
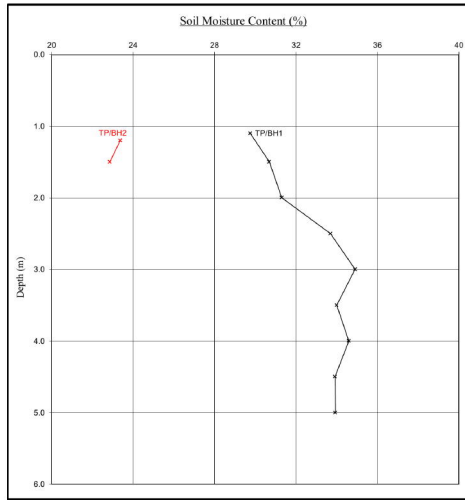


8618

Moisture Content Profiles

Our Ref: [REDACTED]
 Location: [REDACTED] 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, $0.4LL$ 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.

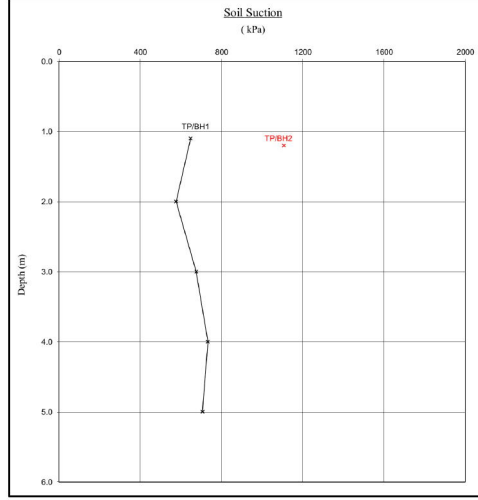
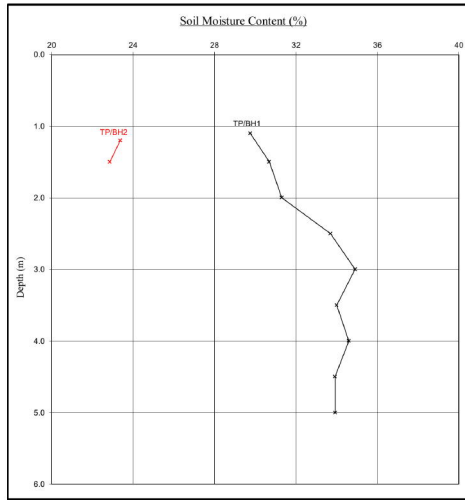
Note
 1. Unless otherwise stated, values of Shear Strength were determined in situ by CET using a Picon Hand Vane the calibration of which is limited to a maximum reading of 120 kPa.
 2. Unless specifically noted the profiles have not been related to a site datum.

Moisture Content Profiles

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

Soil Suction Profiles

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, $0.4LL$ 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.

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 -

<u>Trial pit/ Borehole number</u>	<u>Root diameter (mm)</u>	<u>Tree, shrub or climber from which root originates</u>	<u>Result of starch test</u>
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.

RJS

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



Date: 30-May-19

From: Mark Wood

ESTIMATE

Site: Camden Arts Centre, Arkwright Road

Item

1.0	Location	MH 1 upstream to RWPI - 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.

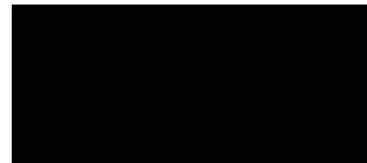


Notes

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

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
 Job Number :-
 Insurer Zurich Municipal
 Date:- 30-May-19
 Recommendation 1

Item No	Description	Unit	Quantity
MH 1 upstream to RWP1 - Run 1.			
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 gully (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 Conditions
 A - When calculating prices, all measurements are rounded up
 C - Every effort will be made to match existing surfaces where disturbed although this cannot be guaranteed
 G - Daywork rates do not include for materials that are charged at cost plus 25%
 KEY: ne = not exceeding, eo = extra over rate, m = linear metre, nr = number, hr = hour

B - Depths are taken to the base of excavations
 D - All rates exclude VAT
 F - The above rates are subject to re-measurement
 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: [Redacted]
 Insurer: Zurich Municipal
 Date:- 30-May-19
 Recommendation: 2

Item No	Description	Unit	Quantity
MH 1 downstream - Run 2.			
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 gully (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 Conditions
 A - When calculating prices, all measurements are rounded up
 C - Every effort will be made to match existing surfaces where disturbed although this cannot be guaranteed
 G - Daywork rates do not include for materials that are charged at cost plus 25%
 KEY: ne = not exceeding, eo = extra over rate, m = linear metre, nr = number, hr = hour

B - Depths are taken to the base of excavations
 D - All rates exclude VAT
 F - The above rates are subject to re-measurement
 E - Depths are taken to the base of excavations

Coding Sheet	Sheet:		Site:	Camden Arts Centre
	Job No.:			
	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:				
Distance (m)	Code	Clock Ref at to	Dia mm	Intrusion % mm	Shared Run:	No			
					If Shared How:				
0.00	ST				Remarks	Surface Material	Length (m)		
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:				
Distance (m)	Code	Clock Ref at to	Dia mm	Intrusion % mm	Shared Run:	No			
					If Shared How:				
0.00	ST				Remarks	Surface Material	Length (m)		
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.