

SITE INVESTIGATION FACTUAL REPORT

Report No: 552617
Client: Sedgwick International UK - Morley (Leeds)
Site: 10 Hook Lane, Northaw,

Client Ref: 6873723
Date of Visit: 21/01/19



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

☎ 0843 2272362
✉ enquiries@cet-uk.com
🌐 www.cet-uk.com

CET is the trading name of CET Structures Ltd
Registered in England No. 02527130

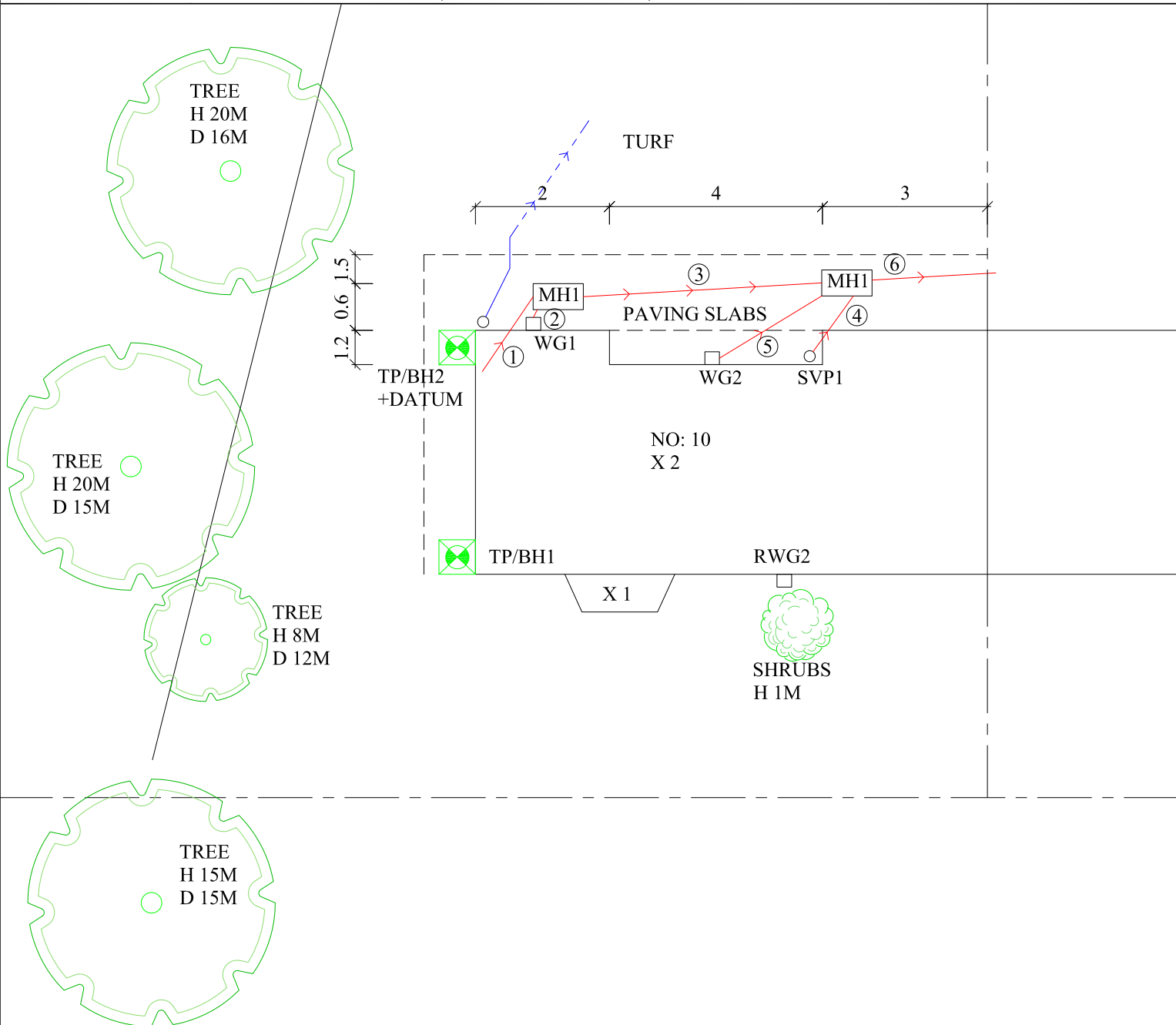
Investigation Layout Plan

Sheet: 1 of 1
Job No: 552617
Date: 21/01/2019

Site: 10 Hawk lane Potters Bar
Work carried out for: Sedgwick International UK

Weather: DRY

(SI) (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:

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: C978487 / 62574.1.1.1

TRIAL PIT REF: TP1

DATE: 07/02/2019

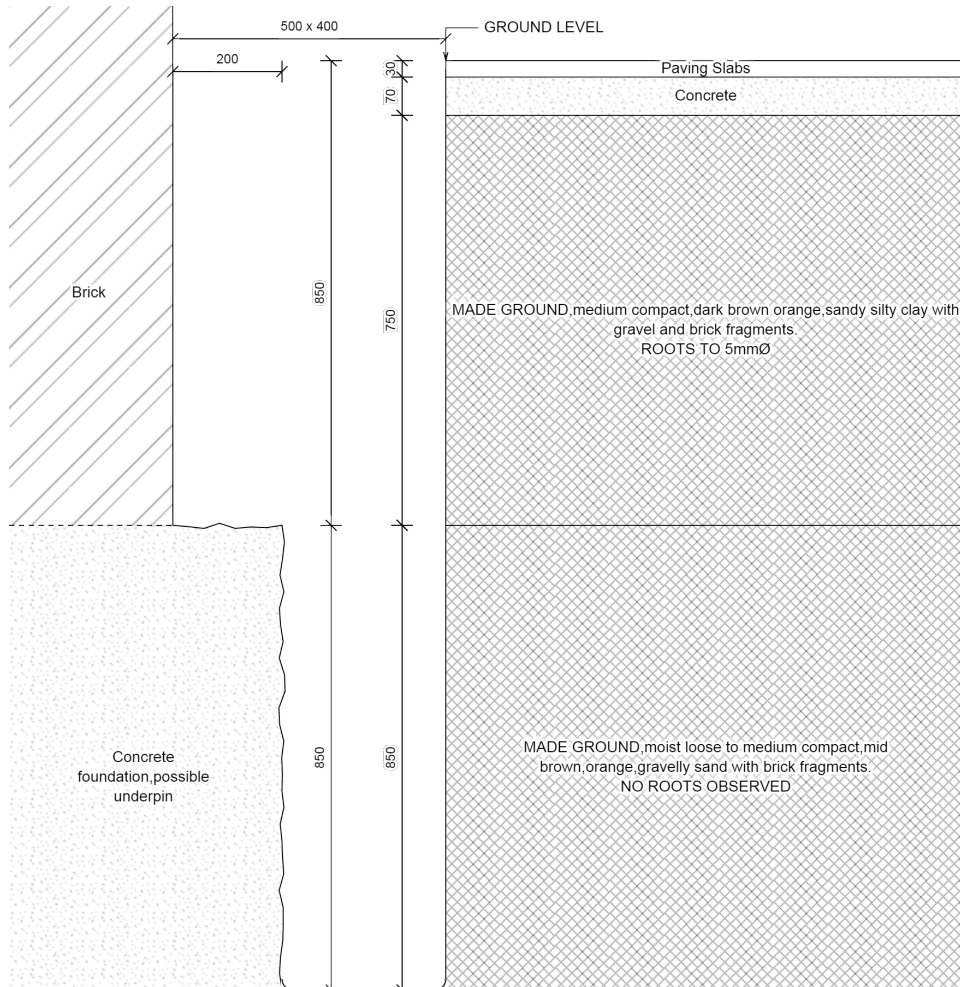
CLIENT: Sedgwick International UK

SITE: 10 Hook Lane EN6 4DA

JOB NO: 552617

WEATHER: Dry

EXCAVATION METHOD: Hand tools



For Strata below 1700mm see Bore Hole log

TP abandoned at 1700mm due to depth. Hand auger used from 1200mm. Borehole carried out from 1700mm.

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
 Lauren Beck - Admin

Report Format:

Approved Signatory
 07-Feb-19

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Report version 1

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TEST REPORT: Trial Pit

REPORT NUMBER: C978487 / 62574.1.1.2

TRIAL PIT REF: TP2

DATE: 07/02/2019

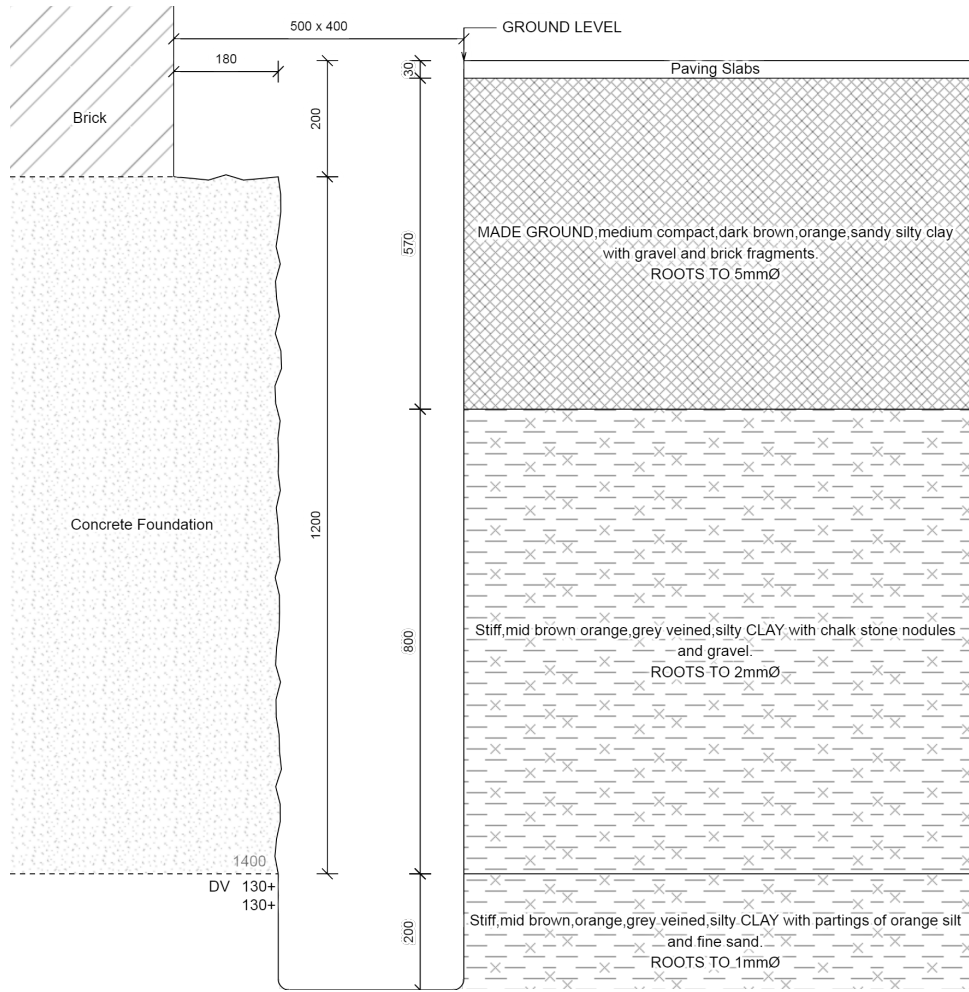
CLIENT: Sedgwick International UK

SITE: 10 Hook Lane EN6 4DA

JOB NO: 552617

WEATHER: Dry

EXCAVATION METHOD: Hand tools



For Strata below 1600mm see Bore Hole log

Hand auger used from 1200mm. Curved steel pin driven 100mm under concrete 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:

For and on behalf of CET
 Lauren Beck - Admin

Report Format:

Approved Signatory
 07-Feb-19


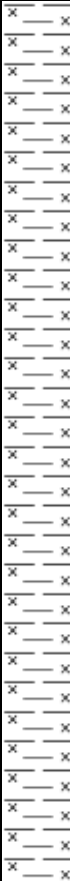
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Report version 1

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Borehole		1		Sheet:		Site: 10 Hook Lane					
				1 of 2							
				Job No: 552617							
Boring Method: Hand Auger		Date: 21/01/2019		Ground Level:		Client: Sedgwick International UK - Morley (Leeds)					
Diameter (mm): 50		Weather: dry									
Depth	Soil Description						Samples and Tests				
(m)							Thickness	Legend	Depth	Type	Result
0.00	See Trial Pit						1.70				
1.70	MADEGROUND medium compact mid brown-orange silty sand with gravel and brick fragments						0.30				
2.00	Stiff orange-brown silty CLAY						3.00		2.00	DV	130+
											130+
									2.50	DV	130+
											130+
									3.00	DV	130+
											130+
									3.50	DV	130+
											130+
									4.00	DV	130+
											130+
									4.50	DV	130+
											130+
Remarks:						Key:		To	Max		
								Depth	Dia		
								(m)	(mm)		
						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					
Logged:	SP	SA	Checked:	Approved:	Version	V1.0 28/01/16			N.T.S.		

Borehole		2+datum		Sheet:	1 of 2	Site:	10 Hook Lane					
Boring Method:		Rotary Auger		Job No:	552617							
Diameter (mm):		100		Date:	21/01/2019							
Weather:		dry		Ground Level:		Client:	Sedgwick International UK - Morley (Leeds)					
Depth	Soil Description					Samples and Tests						
(m)						Thickness	Legend	Depth	Type	Result		
0.00	See Trial Pit					1.40						
1.40	Stiff mid brown-orange grey veined silty CLAY with partings of orange silt and fine sand.					4.60						
Remarks:						Key: D - Disturbed Sample B - Bulk Sample W - Water Sample Roots J - Jar Sample Roots V - Pilcon Shear Vane (kPa) M - Mackintosh Probe Depth to Water (m) TDTD - Too Dense To Drive				To	Max	
								Depth	Dia			
								(m)	(mm)			
Logged: sp						Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.		

Laboratory Summary Results

Our Ref : 552617
 Location : 10, Hook Lane, Northaw, Potters Bar, Herfordshire
 Client: Sedgwick International UK - Morley (Leeds)
 Address: Subsidence Scanning Centre, Ground Floor, Fountain Court, LS27 0JG

Date Sampled: 21/01/19
 Date Received : 23/01/19
 Date Tested : 24/01/19
 Date of Report : 10/02/19

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 (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]
TP/BH No	Depth (m)																	SO ₃ [14]	SO ₄ [15]	
BH1	2.0	D	25	15	72	26	46	-0.02	39	CV	168	395			> 130					
	2.5	D	23	32											> 130					
	3.0	D	24	23	64	23	41	0.02	32	CH	168	323			> 130					
	3.5	D	28	<5											> 130					
	4.0	D	24	29							168	485			> 130					
	4.5	D	27	13											> 130					
	5.0	D	28	16							168	465			> 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 : 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] 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.
- * 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



Our Ref : 552617

Laboratory Testing Results

Date Sampled : 21/01/19

Location : 10, Hook Lane, Northaw, Potters Bar, Herfordshire

Date Received : 23/01/19

Client: Sedgwick International UK - Morley (Leeds)

Date Tested : 24/01/19

Address: Subsidence Scanning Centre, Ground Floor, Fountain Court, LS27 0JG

Date of Report : 10/02/19

Sample Ref.		Type	Moisture Content (%) [11]	Soil Fraction > 0.425mm (%) [12]	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]
TP/BH No.	Depth (m)																	SO ₃ [14]	SO ₄ [15]	
2	U/S 1.40	D	28	<5	74	27	47	0.01	47	CV	168	191			> 130					
	2.0	D	25	<5	76	24	52	0.02	52	CV	168	677			> 130					
	2.5	D	25	<5																
	3.0	D	27	<5	81	27	54	0.00	54	CV	168	681			> 130					
	3.5	D	30	<5							168	481			> 130					
	4.0	D	31	<5																
	4.5	D	30	<5																
	5.0	D	31	<5							168	552			> 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 : 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] 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.

* These tests are not UKAS accredited
Full reports can be provided upon request

Key

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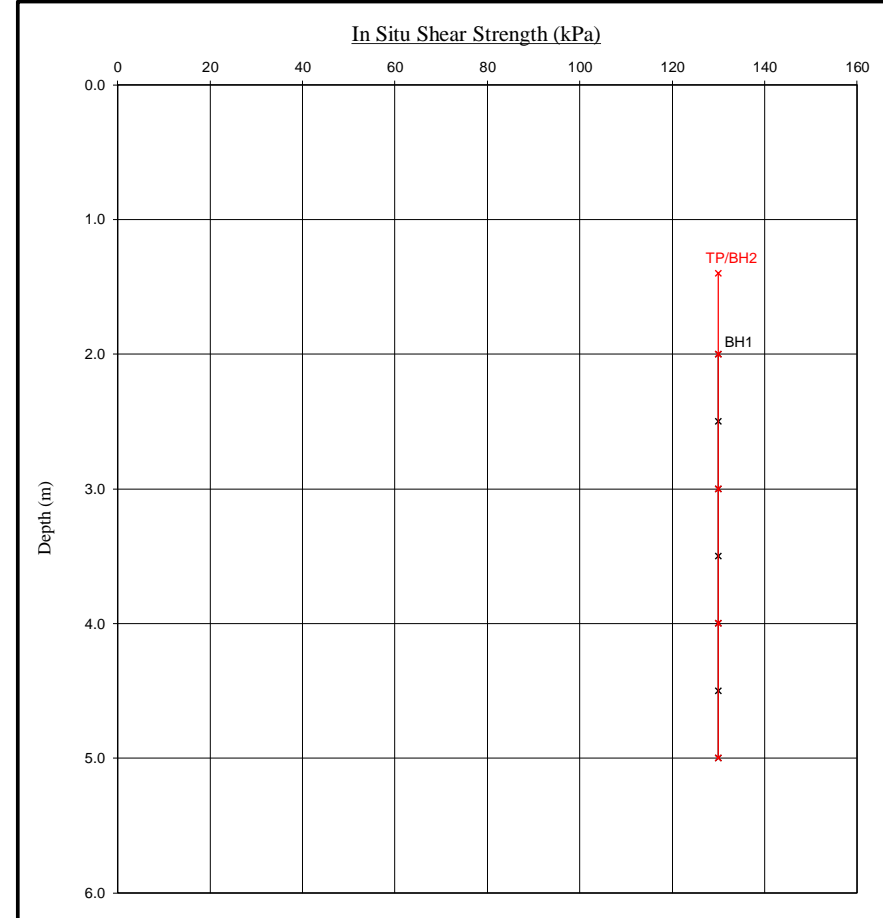
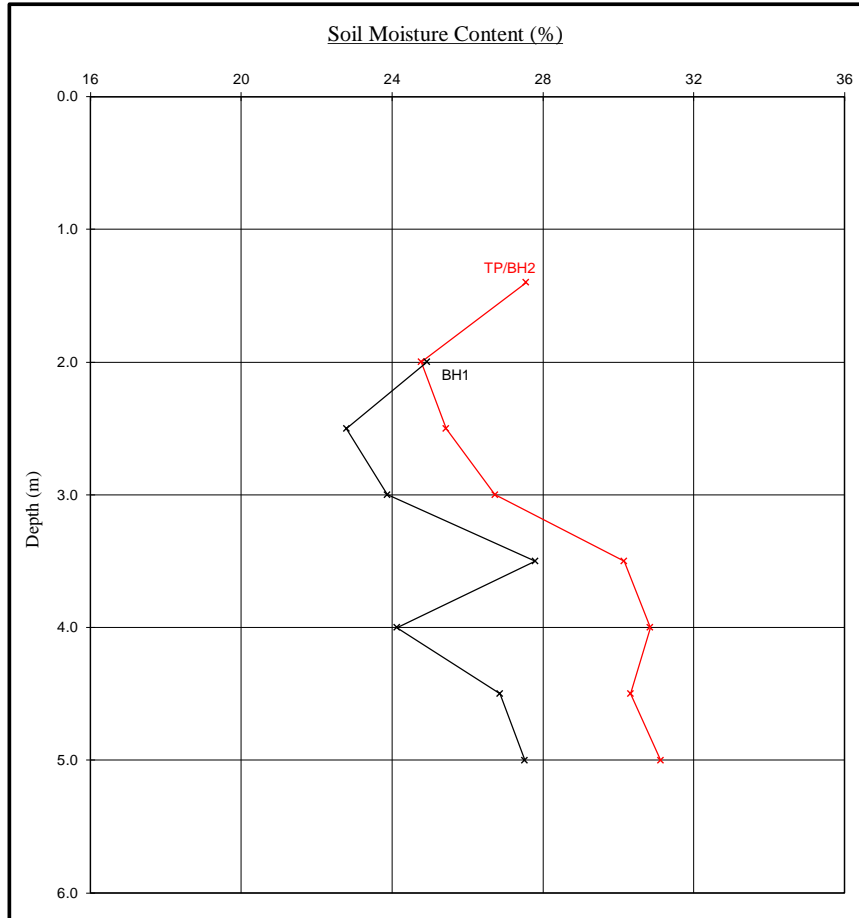
Version: 5BH V1.5 - 26.06.18

8618

Moisture Content Profiles

Our Ref : 552617
 Location : 10, Hook Lane, Northaw, Potters Bar, Herfordshire
 Work carried out for: Sedgwick International UK - Morley (Leeds)

Date Sampled : 21/01/19
 Date Received : 23/01/19
 Date Tested : 24/01/19
 Date of Report : 10/02/19



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

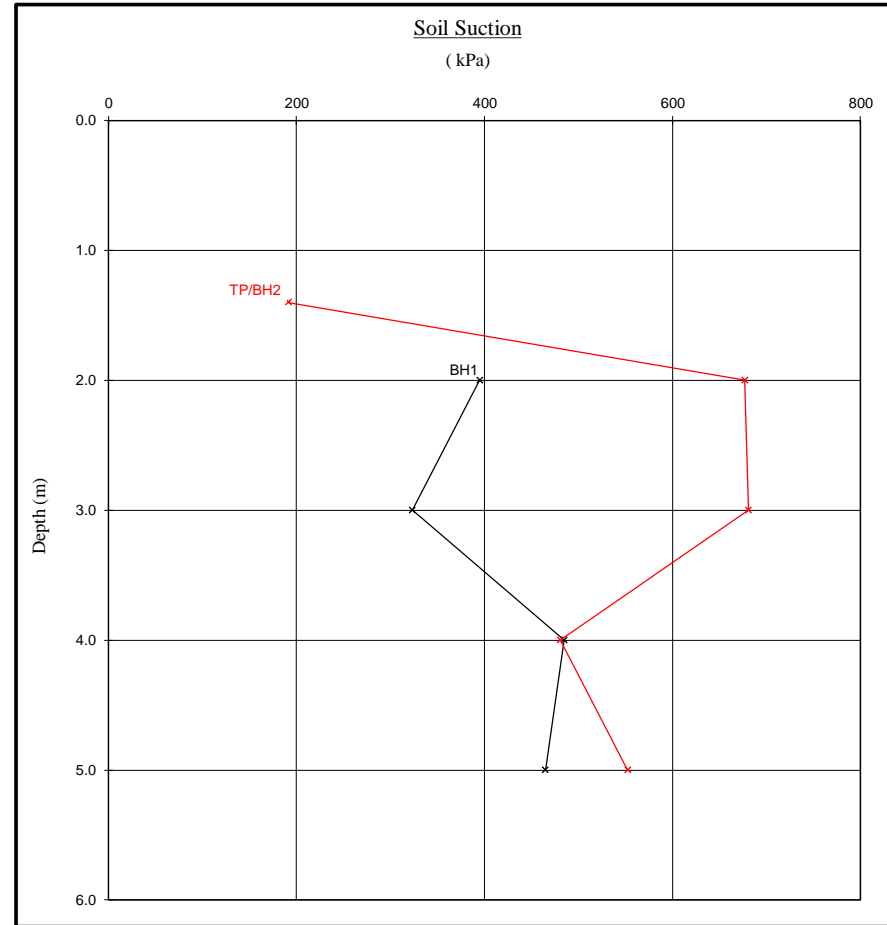
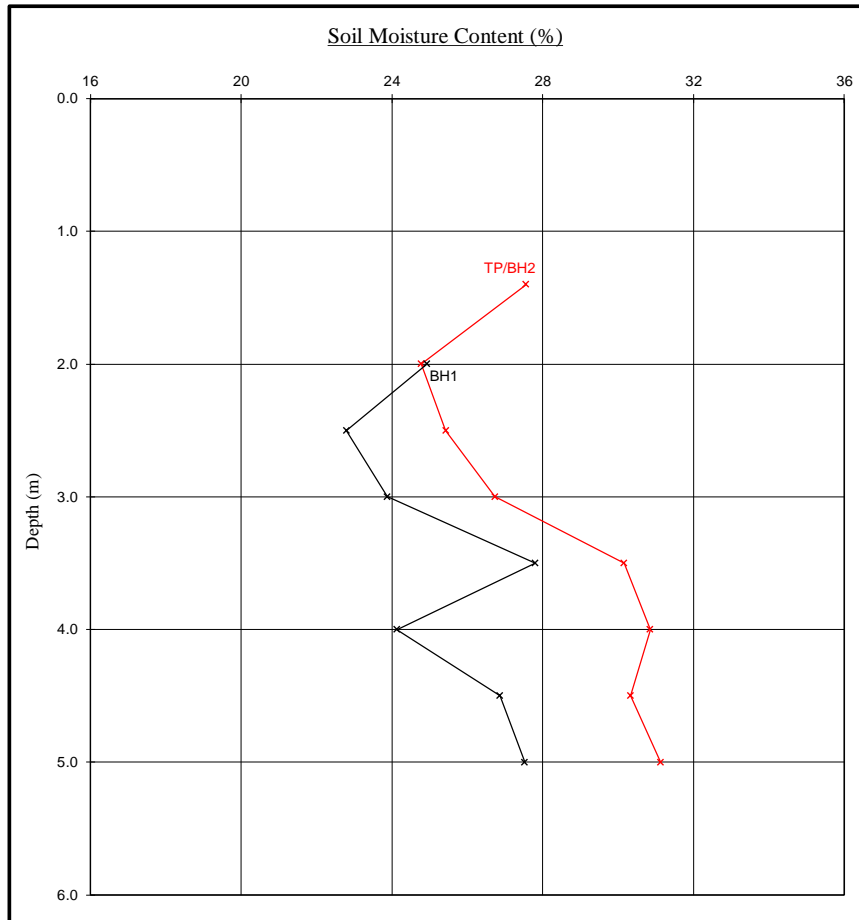
1. Unless otherwise stated, values of Shear Strength were determined in situ by CET using a Picon Hand Vane the calibration of which is limited to a maximum reading of 130 kPa.
2. Unless specifically noted the profiles have not been related to a site datum.

Moisture Content Profiles

Our Ref : 552617
 Location : 10, Hook Lane, Northaw, Potters Bar, Herfordshire
 Work carried out for: Sedgwick International UK - Morley (Leeds)

Soil Suction Profiles

Date Sampled : 21/01/19
 Date Received : 23/01/19
 Date Tested : 24/01/19
 Date of Report : 10/02/19



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.

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>
BH1 (to 2.5m)	<1 mm	Pomoideae gp.	Positive
TP2 (USF)	<1 mm	probably Quercus spp. but possibly Castanea spp. * 2 roots	Positive
BH2 (2.5-3m)	1.5 mm	Quercus spp. 3 roots	Positive
BH2 (2.5-3m)	1 mm	Pomoideae gp.	Positive

* Both rather juvenile.

Pomoideae gp include apple, cotoneaster, hawthorn, pear, pyracantha, quince, rowan, snowy mespil and whitebeam.
Quercus spp. are oaks. Castanea spp. include sweet chestnut.

To: Sedgwick International UK - Morley (Leeds)
 Subsidence Scanning Centre
 Ground Floor
 Fountain Court
 West Yorkshire
 LS27 0JG

Our Ref: **552617**

Your Ref: **6873723**

Date: **24-Jan-19**

Ftiao: David Taylor

ESTIMATE

Site:- 10 Hook Lane, Northaw,

Item		Amount
1.0	Location Mh 1 upstream to Dswc - Run 1	£477.00
	Shared System No	
	Condition Grade B	
	Drain Serviceability Unserviceable	
	Work Spec From Mh 1 Hpwj to clear roots and line upstream to the Dswc with super flex liner.	
2.0	Location Mh 1 upstream to buried gully - Run 2	£312.00
	Shared System No	
	Condition Grade B	
	Drain Serviceability Unserviceable	
	Work Spec From Mh 1 Hpwj to clear roots and line upstream to the buried gully with super flex liner.	
3.0	Location Mh 1 downstream to Mh 2 - Run 3	£549.00
	Shared System No	
	Condition Grade B	
	Drain Serviceability Unserviceable	
	Work Spec From Mh 1 Hpwj to clear and line downstream to Mh 2.	
4.0	Location Mh 2 upstream to Svp 1 - Run 4	£312.00
	Shared System No	
	Condition Grade B	
	Drain Serviceability Unserviceable	
	Work Spec From Mh 2 Hpwj to clear and line upstream to the Svp with super flex liner.	
5.0	Location Mh 2 upstream to Wg 2 - Run 5	£427.00
	Shared System No	
	Condition Grade B	
	Drain Serviceability Unserviceable	
	Work Spec From Mh 2 Hpwj to clear roots and line upstream to Wg 2.	

Notes

Repairs to shared runs and off boundary pipe-work may be the responsibility of the water authority. Total £2,077.00

Condition Grade

- A - Structurally sound with no leakage evident.
- B - Cracks and fractures observed.
- C - Structurally unsound

plus VAT @20% £415.40

Total + VAT	£2,492.40
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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:- **10 Hook Lane, Northaw,**
 Client :- **Sedgwick International UK - Morley (Leeds)**
 Attention of:- **David Taylor**

Client ref	6873723
Job Number :-	552617
Insurer	AXA Personal
Date:-	24-Jan-19
Recommendation	1

Item No	Description	Unit	Quantity	Rate (£)	Price (£)
Mh 1 upstream to Dswc - Run 1					
1.0	Emergency Drain Blockage Clearance				
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item		£70.00	£0.00
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item		£30.00	£0.00
1.3	Unblock drain 6pm-midnight	Item		£100.00	£0.00
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item		£35.00	£0.00
2.1	CCTV Surveys				
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item		£130.00	£0.00
2.3	Additional 1/2 hr survey charge	Item		£30.00	£0.00
3.0	Replacing Underground Drainage				
3.1	Gullies				
3.2	Take out and replace gully (100mm outlet)	Item		£130.00	£0.00
3.3	Take out and replace rodding point (100mm outlet)	Item		£90.00	£0.00
3.4	Bends/junctions				
3.5	Excavate and replace rest bend (100mm outlet)	Item		£90.00	£0.00
3.6	Excavate and replace rest bend (150mm outlet)	Item		£120.00	£0.00
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item		£70.00	£0.00
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item		£70.00	£0.00
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item		£70.00	£0.00
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item		£70.00	£0.00
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item		£70.00	£0.00
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item		£70.00	£0.00
3.13	Pipes				
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m		£95.00	£0.00
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m		£120.00	£0.00
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m		£95.00	£0.00
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m		£120.00	£0.00
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		£150.00	£0.00
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		£160.00	£0.00
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m		£150.00	£0.00
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m		£160.00	£0.00
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		£270.00	£0.00
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		£290.00	£0.00
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m		£250.00	£0.00
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m		£270.00	£0.00
3.26	Surface Reinstatement of Trenches				
3.27	Excavate through and reinstate turf.			£0.00	£0.00
3.28	Excavate through and replace concrete paving slabs	m		£30.00	£0.00
3.29	Excavate through and replace block paving	m		£50.00	£0.00
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m		£47.00	£0.00
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m		£95.00	£0.00
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m		£90.00	£0.00
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m		£115.00	£0.00
3.34	Excavate through and reinstate Tarmac - Cold rolled	m		£48.00	£0.00
3.35	Excavate through and reinstate Tarmac - Hot rolled	m		POA	
3.36	Reinstatement of crazy paving	m		£75.00	£0.00
4.0	Lining				
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item	1	£290.00	£290.00
4.2	Line 100mmØ drain	m		£50.00	£0.00
	Super Flex Liner 100mm drain	m		£90.00	
4.3	Line 150mmØ drain	m		£70.00	£0.00
	Super Flex Liner 150mm drain	m		£110.00	
4.4	Post lining CCTV survey	no	1	£100.00	£100.00
4.5	Minimum lining charge	Item		£290.00	£0.00
4.6	Root cutting of drain prior to lining	hr		£65.00	£0.00
4.7	Set up lining rig for patch lining	Item		£0.00	£0.00
4.8	Patch line 100mmØ drain	no		£250.00	£0.00
4.9	Patch line 150mmØ drain	no		£280.00	£0.00
4.10	Post patch lining CCTV survey	Item		£100.00	£0.00
4.11	Minimum patch lining charge	Item		£250.00	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no		£190.00	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no		£280.00	£0.00
	Epoxy resin	no	1	£22.00	£22.00
5.0	Miscellaneous				
5.1	Excavation and backfill of soakaway (1m3) with stone	Item		£400.00	£0.00
5.2	% Uplift on disbursements and suppliers charges	%		1.25	£0.00
5.3	Daywork - Hourly labour rate	hr		£30.00	£0.00
5.4	Minimum project value	Item		£346.50	£0.00
5.5					£0.00
5.6					£0.00
5.7					£0.00
5.8					£0.00
6.0	Additional items				
6.1	De-scaling (fat/grime)	hr	1	£65.00	£65.00
6.2	De-scaling (scale using chain flails)	hr		£90.00	£0.00
6.3	Gully surround	item		£30.00	£0.00
6.4	Manhole works (up to 1.2m)	item		£80.00	£0.00
6.6	Oversize soakaway (1.5m3)	item		£600.00	£0.00
6.7	Soakaway >1.5m3	item		POA	
6.8	Waste disposal	m		£20.00	£0.00
6.9	Shoring	m		£40.00	£0.00
Total Estimate Price For Recommendation Number			1.0		£477.00
Subject to discount				0.00	£0.00
Total subject to VAT @ 20%					£477.00

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:- **10 Hook Lane, Northaw,**
 Client :- **Sedgwick International UK - Morley (Leeds)**
 Attention of:- **David Taylor**

Client ref	6873723
Job Number :-	552617
Insurer	AXA Personal
Date:-	24-Jan-19
Recommendation	2

Item No	Description	Unit	Quantity	Rate	Price
				(£)	(£)
Mh 1 upstream to buried gully - Run 2					
1.0	Emergency Drain Blockage Clearance				
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item		£70.00	£0.00
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item		£30.00	£0.00
1.3	Unblock drain 6pm-midnight	Item		£100.00	£0.00
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item		£35.00	£0.00
2.1	CCTV Surveys				
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item		£130.00	£0.00
2.3	Additional 1/2 hr survey charge	Item		£30.00	£0.00
3.0	Replacing Underground Drainage				
3.1	Gullies				
3.2	Take out and replace gully (100mm outlet)	Item		£130.00	£0.00
3.3	Take out and replace rodding point (100mm outlet)	Item		£90.00	£0.00
3.4	Bends/junctions				
3.5	Excavate and replace rest bend (100mm outlet)	Item		£90.00	£0.00
3.6	Excavate and replace rest bend (150mm outlet)	Item		£120.00	£0.00
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item		£70.00	£0.00
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item		£70.00	£0.00
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item		£70.00	£0.00
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item		£70.00	£0.00
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item		£70.00	£0.00
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item		£70.00	£0.00
3.13	Pipes				
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m		£95.00	£0.00
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m		£120.00	£0.00
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m		£95.00	£0.00
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m		£120.00	£0.00
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		£150.00	£0.00
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		£160.00	£0.00
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m		£150.00	£0.00
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m		£160.00	£0.00
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		£270.00	£0.00
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		£290.00	£0.00
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m		£250.00	£0.00
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m		£270.00	£0.00
3.26	Surface Reinstatement of Trenches				
3.27	Excavate through and reinstate turf.			£0.00	£0.00
3.28	Excavate through and replace concrete paving slabs	m		£30.00	£0.00
3.29	Excavate through and replace block paving	m		£50.00	£0.00
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m		£47.00	£0.00
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m		£95.00	£0.00
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m		£90.00	£0.00
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m		£115.00	£0.00
3.34	Excavate through and reinstate Tarmac - Cold rolled	m		£48.00	£0.00
3.35	Excavate through and reinstate Tarmac - Hot rolled	m		POA	
3.36	Reinstatement of crazy paving	m		£75.00	£0.00
4.0	Lining				
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item	1	£290.00	£290.00
4.2	Line 100mmØ drain	m		£50.00	£0.00
	Super Flex Liner 100mm drain	m		£90.00	
4.3	Line 150mmØ drain	m		£70.00	£0.00
	Super Flex Liner 150mm drain	m		£110.00	
4.4	Post lining CCTV survey	no		£100.00	£0.00
4.5	Minimum lining charge	Item		£290.00	£0.00
4.6	Root cutting of drain prior to lining	hr		£65.00	£0.00
4.7	Set up lining rig for patch lining	Item		£0.00	£0.00
4.8	Patch line 100mmØ drain	no		£250.00	£0.00
4.9	Patch line 150mmØ drain	no		£280.00	£0.00
4.10	Post patch lining CCTV survey	Item		£100.00	£0.00
4.11	Minimum patch lining charge	Item		£250.00	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no		£190.00	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no		£280.00	£0.00
	Epoxy resin	no	1	£22.00	£22.00
5.0	Miscellaneous				
5.1	Excavation and backfill of soakaway (1m3) with stone	Item		£400.00	£0.00
5.2	% Uplift on disbursements and suppliers charges	%		£1.25	£0.00
5.3	Daywork - Hourly labour rate	hr		£30.00	£0.00
5.4	Minimum project value	Item		£346.50	£0.00
5.5				£0.00	£0.00
5.6				£0.00	£0.00
5.7				£0.00	£0.00
5.8				£0.00	£0.00
6.0	Additional items				
6.1	De-scaling (fat/grime)	hr		£65.00	£0.00
6.2	De-scaling (scale using chain flails)	hr		£90.00	£0.00
6.3	Gully surround	item		£30.00	£0.00
6.4	Manhole works (up to 1.2m)	item		£80.00	£0.00
6.6	Oversize soakaway (1.5m3)	item		£600.00	£0.00
6.7	Soakaway >1.5m3	item		POA	
6.8	Waste disposal	m		£20.00	£0.00
6.9	Shoring	m		£40.00	£0.00
Total Estimate Price For Recommendation Number			2.0		£312.00
Subject to discount				0.00	£0.00
Total subject to VAT @ 20%					£312.00

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:- **10 Hook Lane, Northaw,**
 Client :- **Sedgwick International UK - Morley (Leeds)**
 Attention of:- **David Taylor**

Client ref	6873723
Job Number :-	552617
Insurer	AXA Personal
Date:-	24-Jan-19
Recommendation	3

Item No	Description	Unit	Quantity	Rate	Price
				(£)	(£)
1.0	Emergency Drain Blockage Clearance				
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item		£70.00	£0.00
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item		£30.00	£0.00
1.3	Unblock drain 6pm-midnight	Item		£100.00	£0.00
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item		£35.00	£0.00
2.1	CCTV Surveys				
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item		£130.00	£0.00
2.3	Additional 1/2 hr survey charge	Item		£30.00	£0.00
3.0	Replacing Underground Drainage				
3.1	Gullies				
3.2	Take out and replace gully (100mm outlet)	Item		£130.00	£0.00
3.3	Take out and replace rodding point (100mm outlet)	Item		£90.00	£0.00
3.4	Bends/junctions				
3.5	Excavate and replace rest bend (100mm outlet)	Item		£90.00	£0.00
3.6	Excavate and replace rest bend (150mm outlet)	Item		£120.00	£0.00
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item		£70.00	£0.00
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item		£70.00	£0.00
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item		£70.00	£0.00
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item		£70.00	£0.00
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item		£70.00	£0.00
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item		£70.00	£0.00
3.13	Pipes				
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m		£95.00	£0.00
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m		£120.00	£0.00
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m		£95.00	£0.00
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m		£120.00	£0.00
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		£150.00	£0.00
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		£160.00	£0.00
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m		£150.00	£0.00
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m		£160.00	£0.00
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		£270.00	£0.00
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		£290.00	£0.00
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m		£250.00	£0.00
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m		£270.00	£0.00
3.26	Surface Reinstatement of Trenches				
3.27	Excavate through and reinstate turf.			£0.00	£0.00
3.28	Excavate through and replace concrete paving slabs	m		£30.00	£0.00
3.29	Excavate through and replace block paving	m		£50.00	£0.00
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m		£47.00	£0.00
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m		£95.00	£0.00
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m		£90.00	£0.00
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m		£115.00	£0.00
3.34	Excavate through and reinstate Tarmac - Cold rolled	m		£48.00	£0.00
3.35	Excavate through and reinstate Tarmac - Hot rolled	m		POA	
3.36	Reinstatement of crazy paving	m		£75.00	£0.00
4.0	Lining				
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item	1	£290.00	£290.00
4.2	Line 100mmØ drain	m	3	£50.00	£150.00
	Super Flex Liner 100mm drain	m		£90.00	
4.3	Line 150mmØ drain	m		£70.00	£0.00
	Super Flex Liner 150mm drain	m		£110.00	
4.4	Post lining CCTV survey	no		£100.00	£0.00
4.5	Minimum lining charge	Item		£290.00	£0.00
4.6	Root cutting of drain prior to lining	hr		£65.00	£0.00
4.7	Set up lining rig for patch lining	Item		£0.00	£0.00
4.8	Patch line 100mmØ drain	no		£250.00	£0.00
4.9	Patch line 150mmØ drain	no		£280.00	£0.00
4.10	Post patch lining CCTV survey	Item		£100.00	£0.00
4.11	Minimum patch lining charge	Item		£250.00	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no		£190.00	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no		£280.00	£0.00
	Epoxy resin	no	2	£22.00	£44.00
5.0	Miscellaneous				
5.1	Excavation and backfill of soakaway (1m3) with stone	Item		£400.00	£0.00
5.2	% Uplift on disbursements and suppliers charges	%		£1.25	£0.00
5.3	Daywork - Hourly labour rate	hr		£30.00	£0.00
5.4	Minimum project value	Item		£346.50	£0.00
5.5				£0.00	£0.00
5.6				£0.00	£0.00
5.7				£0.00	£0.00
5.8				£0.00	£0.00
6.0	Additional items				
6.1	De-scaling (fat/grime)	hr	1	£65.00	£65.00
6.2	De-scaling (scale using chain flails)	hr		£90.00	£0.00
6.3	Gully surround	item		£30.00	£0.00
6.4	Manhole works (up to 1.2m)	item		£80.00	£0.00
6.6	Oversize soakaway (1.5m3)	item		£600.00	£0.00
6.7	Soakaway >1.5m3	item		POA	
6.8	Waste disposal	m		£20.00	£0.00
6.9	Shoring	m		£40.00	£0.00
Total Estimate Price For Recommendation Number					£549.00
Subject to discount				0.00	£0.00
Total subject to VAT @ 20%					£549.00

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:- **10 Hook Lane, Northaw,**
 Client :- **Sedgwick International UK - Morley (Leeds)**
 Attention of:- **David Taylor**

Client ref	6873723
Job Number :-	552617
Insurer	AXA Personal
Date:-	24-Jan-19
Recommendation	4

Item No	Description	Unit	Quantity	Rate (£)	Price (£)
Mh 2 upstream to Svp 1 - Run 4					
1.0	Emergency Drain Blockage Clearance				
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item		£70.00	£0.00
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item		£30.00	£0.00
1.3	Unblock drain 6pm-midnight	Item		£100.00	£0.00
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item		£35.00	£0.00
2.1	CCTV Surveys				
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item		£130.00	£0.00
2.3	Additional 1/2 hr survey charge	Item		£30.00	£0.00
3.0	Replacing Underground Drainage				
3.1	Gullies				
3.2	Take out and replace gully (100mm outlet)	Item		£130.00	£0.00
3.3	Take out and replace rodding point (100mm outlet)	Item		£90.00	£0.00
3.4	Bends/junctions				
3.5	Excavate and replace rest bend (100mm outlet)	Item		£90.00	£0.00
3.6	Excavate and replace rest bend (150mm outlet)	Item		£120.00	£0.00
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item		£70.00	£0.00
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item		£70.00	£0.00
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item		£70.00	£0.00
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item		£70.00	£0.00
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item		£70.00	£0.00
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item		£70.00	£0.00
3.13	Pipes				
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m		£95.00	£0.00
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m		£120.00	£0.00
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m		£95.00	£0.00
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m		£120.00	£0.00
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		£150.00	£0.00
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		£160.00	£0.00
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m		£150.00	£0.00
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m		£160.00	£0.00
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		£270.00	£0.00
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		£290.00	£0.00
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m		£250.00	£0.00
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m		£270.00	£0.00
3.26	Surface Reinstatement of Trenches				
3.27	Excavate through and reinstate turf.			£0.00	£0.00
3.28	Excavate through and replace concrete paving slabs	m		£30.00	£0.00
3.29	Excavate through and replace block paving	m		£50.00	£0.00
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m		£47.00	£0.00
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m		£95.00	£0.00
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m		£90.00	£0.00
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m		£115.00	£0.00
3.34	Excavate through and reinstate Tarmac - Cold rolled	m		£48.00	£0.00
3.35	Excavate through and reinstate Tarmac - Hot rolled	m		POA	
3.36	Reinstatement of crazy paving	m		£75.00	£0.00
4.0	Lining				
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item	1	£290.00	£290.00
4.2	Line 100mmØ drain	m		£50.00	£0.00
	Super Flex Liner 100mm drain	m		£90.00	
4.3	Line 150mmØ drain	m		£70.00	£0.00
	Super Flex Liner 150mm drain	m		£110.00	
4.4	Post lining CCTV survey	no		£100.00	£0.00
4.5	Minimum lining charge	Item		£290.00	£0.00
4.6	Root cutting of drain prior to lining	hr		£65.00	£0.00
4.7	Set up lining rig for patch lining	Item		£0.00	£0.00
4.8	Patch line 100mmØ drain	no		£250.00	£0.00
4.9	Patch line 150mmØ drain	no		£280.00	£0.00
4.10	Post patch lining CCTV survey	Item		£100.00	£0.00
4.11	Minimum patch lining charge	Item		£250.00	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no		£190.00	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no		£280.00	£0.00
	Epoxy resin	no	1	£22.00	£22.00
5.0	Miscellaneous				
5.1	Excavation and backfill of soakaway (1m3) with stone	Item		£400.00	£0.00
5.2	% Uplift on disbursements and suppliers charges	%		£1.25	£0.00
5.3	Daywork - Hourly labour rate	hr		£30.00	£0.00
5.4	Minimum project value	Item		£346.50	£0.00
5.5				£0.00	£0.00
5.6				£0.00	£0.00
5.7				£0.00	£0.00
5.8				£0.00	£0.00
6.0	Additional items				
6.1	De-scaling (fat/grime)	hr		£65.00	£0.00
6.2	De-scaling (scale using chain flails)	hr		£90.00	£0.00
6.3	Gully surround	item		£30.00	£0.00
6.4	Manhole works (up to 1.2m)	item		£80.00	£0.00
6.6	Oversize soakaway (1.5m3)	item		£600.00	£0.00
6.7	Soakaway >1.5m3	item		POA	
6.8	Waste disposal	m		£20.00	£0.00
6.9	Shoring	m		£40.00	£0.00
Total Estimate Price For Recommendation Number			4.0		£312.00
Subject to discount				0.00	£0.00
Total subject to VAT @ 20%					£312.00

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:- **10 Hook Lane, Northaw,**
 Client :- **Sedgwick International UK - Morley (Leeds)**
 Attention of:- **David Taylor**

Client ref	6873723
Job Number :-	552617
Insurer	AXA Personal
Date:-	24-Jan-19
Recommendation	5

Item No	Description	Unit	Quantity	Rate	Price
				(£)	(£)
1.0	Emergency Drain Blockage Clearance				
1.1	Unblock drain 8am-6pm - First 1/2 Hour	Item		£70.00	£0.00
1.2	Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item		£30.00	£0.00
1.3	Unblock drain 6pm-midnight	Item		£100.00	£0.00
1.4	Unblock drain 6pm-midnight - Subsequent 1/2 hour	Item		£35.00	£0.00
2.1	CCTV Surveys				
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item		£130.00	£0.00
2.3	Additional 1/2 hr survey charge	Item		£30.00	£0.00
3.0	Replacing Underground Drainage				
3.1	Gullies				
3.2	Take out and replace gully (100mm outlet)	Item		£130.00	£0.00
3.3	Take out and replace rodding point (100mm outlet)	Item		£90.00	£0.00
3.4	Bends/junctions				
3.5	Excavate and replace rest bend (100mm outlet)	Item		£90.00	£0.00
3.6	Excavate and replace rest bend (150mm outlet)	Item		£120.00	£0.00
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m.	Item		£70.00	£0.00
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item		£70.00	£0.00
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item		£70.00	£0.00
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m.	Item		£70.00	£0.00
3.11	Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item		£70.00	£0.00
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item		£70.00	£0.00
3.13	Pipes				
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m		£95.00	£0.00
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m		£120.00	£0.00
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m		£95.00	£0.00
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m		£120.00	£0.00
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		£150.00	£0.00
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m.	m		£160.00	£0.00
3.20	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m		£150.00	£0.00
3.21	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m.	m		£160.00	£0.00
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		£270.00	£0.00
3.23	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m		£290.00	£0.00
3.24	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m.	m		£250.00	£0.00
3.25	Excavate trench and replace 150mmØ pipework, Excavation depth 1.5-2.0m.	m		£270.00	£0.00
3.26	Surface Reinstatement of Trenches				
3.27	Excavate through and reinstate turf.			£0.00	£0.00
3.28	Excavate through and replace concrete paving slabs	m		£30.00	£0.00
3.29	Excavate through and replace block paving	m		£50.00	£0.00
3.30	Excavate through and reinstate plain concrete, maximum thickness 100mm.	m		£47.00	£0.00
3.31	Excavate through and reinstate plain concrete, thickness 100- 200mm.	m		£95.00	£0.00
3.32	Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m		£90.00	£0.00
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m		£115.00	£0.00
3.34	Excavate through and reinstate Tarmac - Cold rolled	m		£48.00	£0.00
3.35	Excavate through and reinstate Tarmac - Hot rolled	m		POA	
3.36	Reinstatement of crazy paving	m		£75.00	£0.00
4.0	Lining				
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm	Item	1	£290.00	£290.00
4.2	Line 100mmØ drain	m	1	£50.00	£50.00
	Super Flex Liner 100mm drain	m		£90.00	
4.3	Line 150mmØ drain	m		£70.00	£0.00
	Super Flex Liner 150mm drain	m		£110.00	
4.4	Post lining CCTV survey	no		£100.00	£0.00
4.5	Minimum lining charge	Item		£290.00	£0.00
4.6	Root cutting of drain prior to lining	hr		£65.00	£0.00
4.7	Set up lining rig for patch lining	Item		£0.00	£0.00
4.8	Patch line 100mmØ drain	no		£250.00	£0.00
4.9	Patch line 150mmØ drain	no		£280.00	£0.00
4.10	Post patch lining CCTV survey	Item		£100.00	£0.00
4.11	Minimum patch lining charge	Item		£250.00	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm	no		£190.00	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no		£280.00	£0.00
	Epoxy resin	no	1	£22.00	£22.00
5.0	Miscellaneous				
5.1	Excavation and backfill of soakaway (1m3) with stone	Item		£400.00	£0.00
5.2	% Uplift on disbursements and suppliers charges	%		£1.25	£0.00
5.3	Daywork - Hourly labour rate	hr		£30.00	£0.00
5.4	Minimum project value	Item		£346.50	£0.00
5.5				£0.00	£0.00
5.6				£0.00	£0.00
5.7				£0.00	£0.00
5.8				£0.00	£0.00
6.0	Additional items				
6.1	De-scaling (fat/grime)	hr	1	£65.00	£65.00
6.2	De-scaling (scale using chain flails)	hr		£90.00	£0.00
6.3	Gully surround	item		£30.00	£0.00
6.4	Manhole works (up to 1.2m)	item		£80.00	£0.00
6.6	Oversize soakaway (1.5m3)	item		£600.00	£0.00
6.7	Soakaway >1.5m3	item		POA	
6.8	Waste disposal	m		£20.00	£0.00
6.9	Shoring	m		£40.00	£0.00
Total Estimate Price For Recommendation Number					£427.00
Subject to discount				0.00	£0.00
Total subject to VAT @ 20%					£427.00

Note: Subject to the attached Terms and Conditions
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 KEY: ne = not exceeding, eo = extra over rate, m = linear metre, nr = number, hr = hour
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 E - Depths are taken to the base of excavations

Coding Sheet	Sheet:		Site:	10 Hook Lane
	Job No.:	552617		
	Date:	21/01/19	Client:	Sedgwick International UK - Morley (Leeds)

Run:		1						
From:	MH1	Invert Level:	300	Direction:	U/S			
To:	DSWC1	Invert Level:		Function:	F/W			
Pipe Material:	VC	Pipe Dia:	100					
Water/Pressure Test:		Drain Break-In:	No	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	RMJ			15	Roots mass			
1.00	JDM				Joint displaced medium	PAVING SLABS	2	
1.70	RMJ				Roots mass			
2.00	LU				Line deviates up	UNDRR BUILDING		
2.40	FH				REACHED DSWC1			

Comments:
Roots Throughout run

Run:		2						
From:	MH1	Invert Level:	300	Direction:	U/S			
To:	BURIED WG1	Invert Level:		Function:	F/W			
Pipe Material:	VC	Pipe Dia:	100					
Water/Pressure Test:		Drain Break-In:	No	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	RMJ				Roots mass			
0.40	DEG			20	Debris grease			
0.60	JDM				Joint displaced medium	PAVING SLABS		
0.90	JDM				Joint displaced medium			
0.90	LL				SLIGHT			
1.10	FH				REACHED WG1			

Comments:

Run:		3									
From:		MH1		Invert Level:		300		Direction:		D/S	
To:		MH2		Invert Level:		450		Function:		F/W	
Pipe Material:		VC		Pipe Dia:		100					
Water/Pressure Test:				Drain Break-In:		No		Gully Condition:			
Distance (m)	Code	Clock Ref at to		Dia mm	Intrusion % mm		Shared Run: If Shared How:		No		
0.00	ST						Remarks		Surface Material	Length (m)	
0.20	FC	12	12				Fracture circumferential				
0.20	RMJ					10	Roots mass		PAVING SLABS		
1.00	RFJ						Roots fine at joint				
4.20	WL					5	Water level				
4.30	JDM						Joint displaced medium				
4.30	RFJ						Roots fine at joint				
4.90	CC	12	12				Crack circumferential				
5.30	FH						REACHED MH2				

Comments:

Run:		4									
From:		MH2		Invert Level:		450		Direction:		U/S	
To:		SVP1		Invert Level:				Function:		F/W	
Pipe Material:		VC		Pipe Dia:		100					
Water/Pressure Test:				Drain Break-In:		No		Gully Condition:			
Distance (m)	Code	Clock Ref at to		Dia mm	Intrusion % mm		Shared Run: If Shared How:		No		
0.00	ST						Remarks		Surface Material	Length (m)	
0.50	CC	12	12				Crack circumferential				
0.50	LL						SLIGHT		PAVING SLAB		
0.70	JDM						Joint displaced medium				
1.00	CC	12	12				Crack circumferential				
1.50	JDM						Joint displaced medium				
1.80	LU						Line deviates up				
2.20	FH						REACHED SVP1				

Comments:

Run:		5									
From:		MH2		Invert Level:		450		Direction:		U/S	
To:		WG1		Invert Level:				Function:		F/W	
Pipe Material:		VC		Pipe Dia:		100					
Water/Pressure Test:				Drain Break-In:		No		Gully Condition:		As Built	
Distance (m)	Code	Clock Ref at to		Dia mm	Intrusion % mm		Shared Run: If Shared How:		No		
0.00	ST						Remarks		Surface Material	Length (m)	
1.80	CC	12	12				Crack circumferential				
2.00	ESL						Scale light		PAVING SLABS		
2.00	CC	12	12				Crack circumferential				
2.60	RFJ						Roots fine at joint				
2.90	WL					10	Water level				
3.40	FH						REACHED WG2				

Comments:

Run:		6									
From:		MH2		Invert Level:		450		Direction:		D/S	
To:		D/S		Invert Level:				Function:		S/W	
Pipe Material:		VC		Pipe Dia:		100					
Water/Pressure Test:				Drain Break-In:		No		Gully Condition:			
Distance (m)	Code	Clock Ref at to		Dia mm	Intrusion % mm		Shared Run: If Shared How:		No		
0.00	ST						Remarks		Surface Material	Length (m)	
7.00	FH						REACHED D/S		PAVING SLABS		

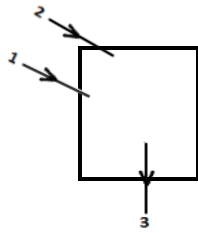
Comments:

Run:		7									
From:		RWG1		Invert Level:				Direction:		D/S	
To:		D/S		Invert Level:				Function:		S/W	
Pipe Material:		PVC		Pipe Dia:		100					
Water/Pressure Test:				Drain Break-In:		Yes		Gully Condition:		As Built	
Distance (m)	Code	Clock Ref at to		Dia mm	Intrusion % mm		Shared Run: If Shared How:		No		
0.00	ST						Remarks		Surface Material	Length (m)	
1.70	LL						SLIGHT		PAVING SLABS	2	
4.20	LR						SLIGHT				
4.20	FH						REACHED D/S		TURF		

Comments:

Manhole Details	Sheet:	1 of 1	Site:	10 Hook Lane
	Job No.:	552617		
	Date:	21/01/19	Client:	Sedgwick International UK - Morley (Leeds)

MH:- Depth:- (mm)



Depths of run if different to invert level:-

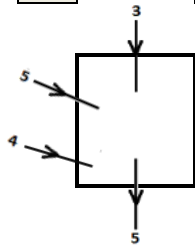
Run	Depth (mm)

Manhole Condition:-

Reasons for poor condition.

Chamber Dimension:- / (mm)

MH:- Depth:- (mm)



Depths of run if different to invert level:-

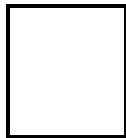
Run	Depth (mm)

Manhole Condition:-

Reasons for poor condition.

Chamber Dimension:- / (mm)

MH:- Depth:- (mm)



Depths of run if different to invert level:-

Run	Depth (mm)

Manhole Condition:-

Reasons for poor condition.

Chamber Dimension:- / (mm)

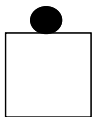
Key



Interceptor



Internal Back Drop.



External Back Drop.

Additional Comments for Poor Condition