

SITE INVESTIGATION **FACTUAL REPORT**

Report No: 552617

Sedgwick International UK - Morley (Leeds) Client:

Site: 10 Hook Lane, Northaw,

Client Ref: 6873723

Date of Visit: 21/01/19







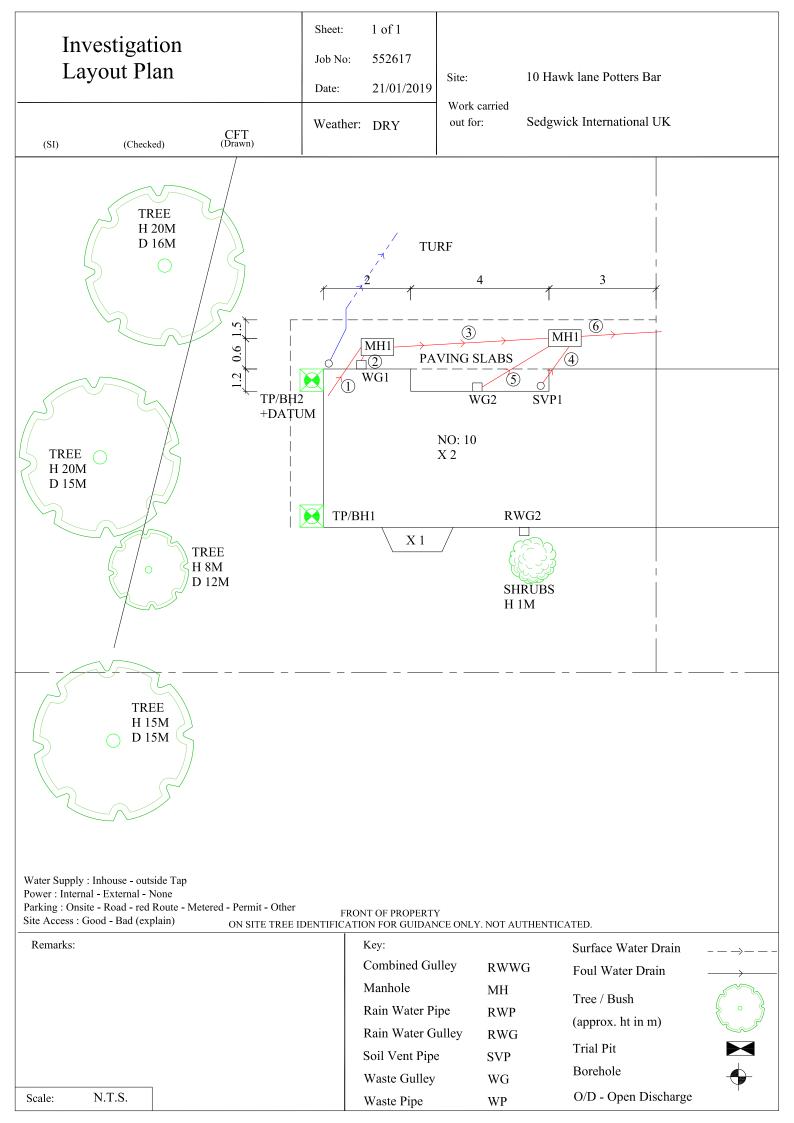








Home Emergency Response - Subsidence Investigation - Drainage Services - Crack & Level Monitoring - Property Video Surveys





TEST REPORT: Trial Pit

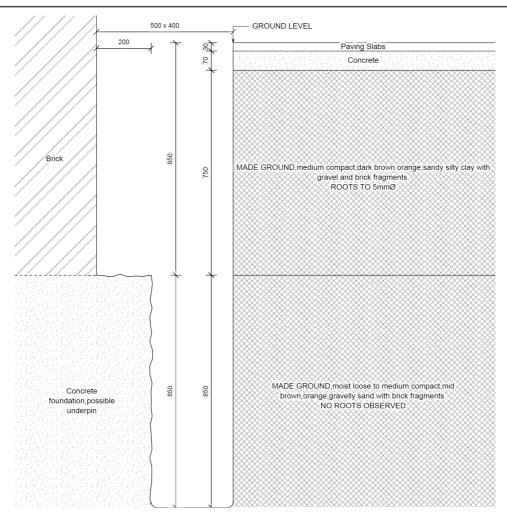
REPORT NUMBER: C978487 / 62574.1.1.1

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

Page 1 of 1

TDTD Too dense to drive

Remarks: For and on behalf of CET Lauren Beck - Admin

Report Format: Approved Signatory 07-Feb-19

DE74 2UD

0843 2272362 CET is the trading name for CET Structures Limited. enquiries@cet-uk.com Registered in England No. 02527130



TEST REPORT: Trial Pit

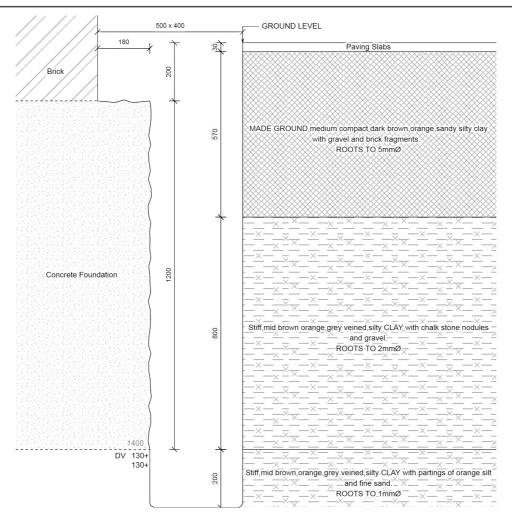
REPORT NUMBER: C978487 / 62574.1.1.2

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

DE74 2UD

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Part		_	_	_		Sheet:	1 of 2	Site:	10 Hook La	ne			
State Stat		Boreh	ıole	1		Job No:							
Distance Paris P							21/01/2019						
Sept				_		Ground Level:		Client:	Sedgwick I	nternatio	nal UK -	Morley	(Leeds)
Machine Property		r (mm):	50	Weather:									
Description					Soil Description				T				
1.70 MADEGROUND medium compact mid brown-orange silty sand with gravel and brick fragments 0.30										Legend	Depth	Туре	Result
Stiff orange-brown silty CLAY	0.00	See Trial	Pit						1.70				
Stiff orange-brown silty CLAY													
Stiff orange-brown silty CLAY													
Stiff orange-brown silty CLAY													
Stiff orange-brown silty CLAY													
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Stiff orange-brown silty CLAY													
Stiff orange-brown silty CLAY	1 70	MADEGE	ROLIND mediu	m compact	mid hrown-orange silty s	and with gravel a	and hrick fragm	ents	0.30	XXXXX			
Remarks:	1.70	111111201	NOOND Meana	compact	ma brown orange sitty st	and with Braver	and brick magni	Circs	0.50	****			
Remarks:										****			
Remarks:	2 00	Stiff oral	nge-hrown silt	ν CLΔV					3.00	<u> </u>	2 00	DV	130+
Remarks:	2.00	Still Olai	ige brown site	y CLA					3.00	×	2.00		
Remarks:										×			1301
Remarks:										<u> </u>			
Remarks:										<u>×</u>			
Remarks:										<u>~</u> _×	2 50	DV	120+
Remarks: Key: To Max Max										<u>~</u> _×	2.30	DV	
Remarks: Key: To Max Max										<u>×</u>			130+
Remarks: Key: To Max Max										<u>×</u>			
Remarks: Key: To Max Max										<u>×</u>			
Remarks: Key: To Max Max										<u>~×</u>	2.22	517	
Remarks: Key: To Max Max										<u>*</u> ×	3.00	DV	
Remarks:										<u>*</u> ×			130+
Remarks:										<u>*</u> ×			
Remarks: Key: To Max Maximtosh Probe Depth to Water (m) TDTD - Too Dense To Drive To Max Maximtosh Probe Depth to Water (m) TDTD - Too Dense To Drive To Max Maximtosh Probe Depth to Water (m) TDTD - Too Dense To Drive To Max Maximtosh Probe Depth to Water (m) TDTD - Too Dense To Drive TDTD - TOO Dense										×			
Remarks:										<u>*</u> ×			
Remarks: Key: To Max D - Disturbed Sample Roots D - Disturbed Sample Roots J - Jar Sample Roo										<u>*</u> ×	3.50	DV	
Remarks: Key: To Max Maximosh Probe Roots J - Jar Sample J - Jar Sample										<u>*</u> ×			130+
Remarks: Key: To Max Maximosh Probe Roots J - Jar Sample J - Jar Sample										<u>*</u> ×			
Remarks: Key: To Max Maximosh Probe Roots J - Jar Sample J - Jar Sample										<u>*</u> ×			
Remarks: Key: To Max Maximosh Probe Roots J - Jar Sample J - Jar Sample										<u>*</u> —×			
Remarks:										<u>*</u> ×	4.00	DV	
Remarks: Key: To Max Mackintosh Probe Roots January Sample January Sample Roots January Sample Janu										<u>*</u> ×			130+
Remarks: Key: To Max Mackintosh Probe Roots January Sample January Sample Roots January Sample Janu										<u>* — ×</u>			
Remarks:										× ×			
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Remarks: Key: To Max										× ×			130+
Remarks: Key: To Max										××			
D - Disturbed Sample Depth Dia B - Bulk Sample (m) (mm) 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										× ×			
D - Disturbed Sample Depth Dia B - Bulk Sample (m) (mm) 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										×x			
B - Bulk Sample	Remarks	:					Key:					То	Max
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							D - Disturbed Sa	ample				Depth	Dia
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													(mm)
J - Jar Sample Roots V - Pilcon Shear Vane (kPa Roots M - Mackintosh Probe Depth to Water (m) TDTD - Too Dense To Drive									Roots				
V - Pilcon Shear Vane (kPa Roots M - Mackintosh Probe Depth to Water (m) TDTD - Too Dense To Drive									Roots				
M - Mackintosh Probe Depth to Water (m) TDTD - Too Dense To Drive								Vane (kPa	Roots				
TDTD - Too Dense To Drive										/ater (m)			
	Logged:		SP	SA	Checked:							N.T.S.	

	_	_	_		Sheet:	2 of 2	Site:	10 Hook La	ne			
6	Borel	nole	1		Job No:	552617						
					Date:	21/01/2019						
Boring M		Hand Auger			Ground Level:		Client:	Sedgwick I	nternatio	nal UK -	Morley	(Leeds)
Diameter	r (mm):	75	Weather:	dry								
Depth				Soil Description							oles and	
(m)								Thickness	Legend	Depth	Туре	Result
5.00				End of BH						5.00	DV	130+
												130+
						1						
Remarks:				1		Key:					То	Max
				evel at 4.8m on completion,	no roots	D - Disturbed Sa					Depth	Dia
observed	pelow 2.	5m.Water see	page from 2.0	ım.		B - Bulk Sample					(m)	(mm)
						W - Water Sam	ple	Roots			2.50	1
						J - Jar Sample		Roots				
						V - Pilcon Shear						
						M - Mackintosh		Depth to W	/ater (m)		4.80	
			Ι.	T	1	TDTD - Too Den						
Logged:		SP	SA	Checked:	Approved:	Version	V1.0 28/0	1/16			N.T.S.	

l .	D k		2		Sheet:	1 of 2	Site:	10 Hook La	ane			
	Borel	noie	2+datum		Job No:	552617						
					Date:	21/01/2019						
Boring N		Rotary Auger		1.	Ground Level:		Client:	Sedgwick I	nternatio	nal UK -	Morley	(Leeds)
Diamete	r (mm):	100	Weather:	dry								
Depth				Soil Description					•		oles and	
(m)									Legend	Depth	Type	Result
0.00	See Tria	l Pit						1.40				
1.40	Stiff mid	l hrown-orang	e grey veined silty CLAY wi	th nartings of orange cilt	and fine cand			4.60	x			
1.40	Jul 11110	i bi owii-oi alig	C BICY VEHICU SHLY CLAT WI	an partings of orange silt	ana mie sana.			4.00	^			
									× ^			
									× ×			
									× ×			
									× ×			
									× ×	2.00	DV	130+
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Remarks	:					Key:					То	Max
						D - Disturbed Sa					Depth	Dia
						B - Bulk Sample					(m)	(mm)
						W - Water Sam		Roots				
						J - Jar Sample		Roots				
						V - Pilcon Shear	Vane (kPa					
						M - Mackintosh		Depth to V	Vater (m)			
L_						TDTD - Too Den						
Logged:		sp		Checked:	Approved:		V1.0 28/0				N.T.S.	

					Sheet:	2 of 2	Site:	10 Hook La	ine			
E	Borel	nole	2+datum		Job No:	552617						
					Date:	21/01/2019						
Boring M	lethod:	Rotary Auger	I.	Į.	Ground Level:		Client:	Sedgwick I	nternatio	nal UK -	Morley	(Leeds)
Diameter			Weather:	dry	1	1						(,
Depth	(1-00		Soil Description						Sami	oles and	Tests
(m)								Thickness	Legend			Result
(111)								IIIICKIIESS	~ -			
									^	5.00	DV	130+
									×			130+
									* — ×			
									× ×			
									× — ×			
									× — ×			
									××			
									××			
									××			
									××			
6.00				End of BH								
												-
												-
Remarks:						Key:		ı			То	Max
		dry and open o	n completion,no roots observ	ed helow 3 5m Datum insta		D - Disturbed Sa	mnlo					
			ests carried out below 5.0m.	ca pelow 3.3111.Datuiii IIIStd							Depth	Dia
samples (LUNCII UI I	notu oti eligili t	coto carrica out below 5.011.			B - Bulk Sample				ı	(m)	(mm)
						W - Water Samp	oie	Roots			2.50	2
						J - Jar Sample		Roots			3.00	1
						V - Pilcon Shear					3.50	Fibrous
						M - Mackintosh		Depth to V	/ater (m)			
						TDTD - Too Dens	se To Drive	2				
Logged:		SP	SA	Checked:	Approved:		V1.0 28/0				N.T.S.	

Laboratory Summary Results

Our Ref: 552617 Date Sampled: 21/01/19

Location: 10, Hook Lane, Northaw, Potters Bar, Herfordshire Date Received: 23/01/19

Date Tested: Client: Sedgwick International UK - Morley (Leeds) 24/01/19

Subsidence Scanning Centre, Ground Floor, Fountain Court, LS27 0JG Address: Date of Report: 10/02/19

Sa TP/BH	ample Ref Depth	Type	Moisture Content	Soil Fraction	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity * Index	Modified * Plasticity	Soil * Class	Filter Paper Contact	Soil Sample	Oedometer Strain	Estimated Heave	In situ * Shear Vane	Organic * Content	pH * Value	Sulphate (g		* Class
No	(m)	Турс	Content	> 0.425mm	Limit	Ziiiiic	macx	пасх	Index	Citass	Time	Suction	Strum	Potential (Dd)	Strength	Content	v ande	so ₃	so ₄	Citass
			(%)[1]	(%) [2]	(%)[3]	(%)[4]	(%)[5]	[5]	(%)[6]	[7]	(h)	(kPa) [8]	[9]	(mm)[10]	(kPa) [11]	(%)[12]	[13]	[14]	[15]	[16]
DIII	2.0	ъ	25	1.5	70	26	4.5	0.02	20	GI.	1.60	20.5			120					
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	СН	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] $SO_4 = 1.2 \times SO_3$

- [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 soluable magnesium testing is undertaken to prove otherwise
- Full reports can be provided upon request
- * These tests are not UKAS accredited



Disturbed sample (small) Disturbed sample (bulk)

Undisturbed sample

Groundwater sample Essentially Non-Plastic by inspection ENF

U/S Underside of Foundation



Version: 5BH V1.5 - 26.06.18

Our Ref: 552617

Laboratory Testing Results

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

Client: Sedgwick International UK - Morley (Leeds)

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

S	Sample Ref.		Moisture	Soil	Liquid	Plastic	Plasticity	Liquidity *	Modified *	Soil *	Filter Paper	Soil	Oedometer	Estimated	In situ *	Organic *	pH *	Sulphate	Content *	*
TP/BH	Depth	Type	Content	Fraction	Limit	Limit	Index	Index	Plasticity	Class	Contact	Sample	Strain	Heave	Shear Vane	Content	Value	(g /		Class
No.	(m)		(%)[1]	> 0.425mm (%) [2]	(%)[3]	(%)[4]	(%)[5]	[5]	Index (%)[6]	[7]	Time (h)	Suction (kPa) [8]	[9]	Potential (Dd) (mm)[10]	Strength (kPa) [11]	(%)[12]	[13]	so ₃ [14]	so ₄ [15]	[16]
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																
	4.0	D	31	<5							168	481			> 130					
	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

[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 200:

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 soluable 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) Disturbed sample (bulk) В U Undisturbed sample

Date Sampled:

Date Received:

Date of Report:

Date Tested:

21/01/19

23/01/19

24/01/19

10/02/19

Groundwater sample

ENP Essentially Non-Plastic by inspection U/S Underside of Foundation

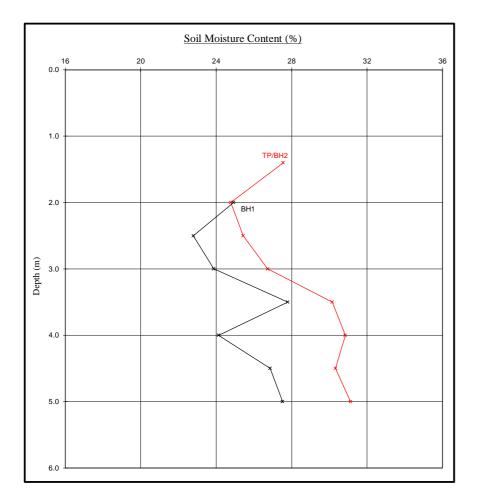


Version: 5BH V1.5 - 26.06.18

Moisture Content Profiles

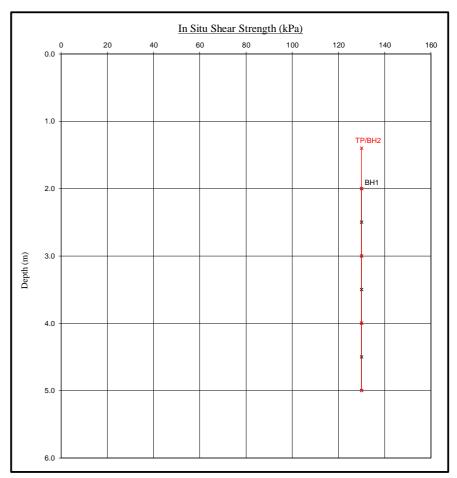
Our Ref: 552617

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



Shear Strength Profiles

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



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 130 kPa.

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

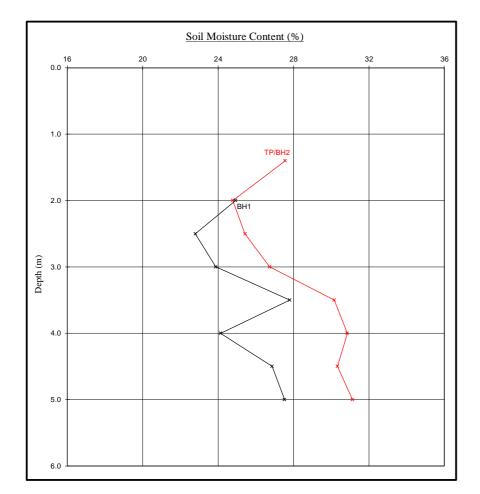
 $[\]frac{Notes}{1.\ If\ plotted,\ 0.4\ LL\ and\ PL+2\ (after\ Driscoll,\ 1983\)\ should\ only\ be\ applied\ to\ London\ Clay\ (and\ similarly\ overconsolidated)}$ clay) at shallow depths.

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

Moisture Content Profiles

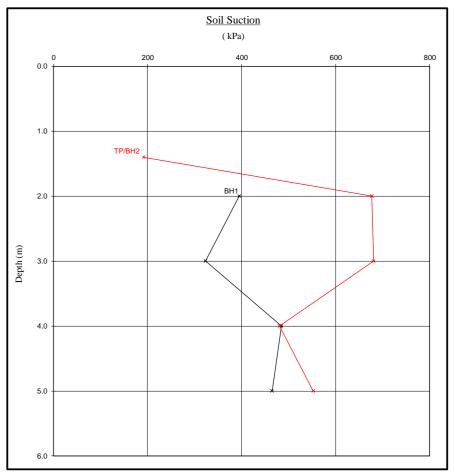
Our Ref: 552617

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



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.

 $[\]underline{\underline{Notes}} \\ 1. \ \, \text{If plotted, 0.4 LL and PL+2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated and the longon Clay (and similarly overconsolidated and similarly overconsolidated a$ clay) at shallow depths.

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

EPSL

European Plant Science Laboratory

Sheet: 1 of 1

Job No: **552617**

Date: 30/01/2019

Order No: **1291444**

Site: 10 Hook Lane,

Work carried

out for: Sedgwick International UK

EPSL Ref: **R27925**

Certificate of Analysis

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

The results were as follows -

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

MDM

Address for correspondence: EPSL, Intec, Parc Menai, Bangor, Gwynedd, North Wales, LL57 4FG

Telephone: 01248 672 652

e-mail: lab@innovation-environmental.co.uk

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

Registered in England. No 3256771, Registered Office: Yarmouth House, 1300 Parkway, Solent Business Park, Hampshire, PO15 7AE

To: Sedgwick International UK - Morley (Leeds)

Our Ref: 552617

Subsidence Scanning Centre

6873723 Your Ref:

Ground Floor Fountain Court

Date: 24-Jan-19

West Yorkshire LS27 0JG

Ftao: David Taylor

ESTIMATE

Site:- 10 Hook Lane, Northaw,

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

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

£2,077.00 Total

£415.40

£2,492.40

plus VAT @20%

Total + VAT

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.

Site:-

10 Hook Lane, Northaw,

Client :-Attention of:- Sedgwick International UK - Morley (Leeds) David Taylor

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

	Description		Recommendat	ion	1
Item No	Mh I upstream to Dswc - Run I	Unit	Quantity	Rate	Price
				(£)	(£)
1.0 1.1	Emergency Drain Blockage Clearance 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 gulley (100mm outlet)	Item		£130.00	£0.00
3.3	Take out and replace rodding point (100mm outlet) Bends/junctions	Item		£90.00	£0.00
3.5	Excavate and replace rest bend (100mm outlet)	Item		£90.00	£0.00
3.6	Excavate and replace rest bend (150mm outlet) Excavate and replace rest bend (150mm outlet)	Item		£120.00	£0.00
3.7	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m. Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m	Item Item	 	£70.00 £70.00	£0.00
3.9	Excavate and replace junction/bend (100mmØ), Excavation depth 0-1m	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	1	£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. Excavate through and reinstate reinforced concrete, maximum thickness 100mm.	m m		£95.00 £90.00	£0.00
3.33	Excavate through and reinstate reinforced concrete, maximum unckness roomin. 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
4.4	Super Flex Liner 150mm drain	m		£110.00 £100.00	£100.00
4.4	Post lining CCTV survey Minimum lining charge	no Item	1	£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 Page open lateral branch up to 2m length, pipe up to 150mm	Item	 	£250.00 £190.00	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm Re-open lateral branch over 2m length, pipe up to 150mm	no no	+	£190.00 £280.00	£0.00
T.13	Epoxy resin	no	1	£22.00	£22.00
E ^					
5.0	Miscellaneous Excavation and backfill of soakaway (1m3) with stone	T4	 	£400.00	£0.00
5.1	Excavation and backfill of soakaway (1m3) with stone W Uplift on disbursements and suppliers charges	Item %	+	1.25	£0.00
5.3	Daywork - Hourly labour rate	hr	 	£30.00	£0.00
5.4	Minimum project value	Item	1	£346.50	£0.00
5.5					£0.00
5.6					£0.00
5.7				└──	£0.00
5.8			 _	<u> </u>	£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 £20.00	£0.00
6.8	Waste disposal Shoring	m m	0	£20.00 £40.00	£0.00
6.9		111	v	o. TU•UU	20.00
6.9			1.0	——	£477 00
6.9	Total Estimate Price For Recommendation Number Subject to discount		1.0 0.00		£477.00 £0.00

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

Site:-

10 Hook Lane, Northaw,

Client :-Attention of:- Sedgwick International UK - Morley (Leeds) David Taylor

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

	Description		Recommendat		
Item No	Mh 1 upstream to buried gully - Run 2	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	T.		6130.00	00.00
3.2	Take out and replace gulley (100mm outlet)	Item		£130.00	£0.00
3.3	Take out and replace rodding point (100mm outlet) Bends/junctions	Item		£90.00	£0.00
3.4		Τ,		600.00	00.00
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
		item		270.00	20.00
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.	223	+ ===	£150.00	£0.00
3.18	Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m, First 10m.	m	 	£160.00	£0.00
		m	 		
3.20	Execute 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	<u> </u>	£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
				£30.00	£0.00
3.28	Excavate through and replace concrete paving slabs	m			
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	1	£250.00	£0.00
4.9	Patch line 150mmØ drain	no		£280.00	£0.00
4.10	Post patch lining CCTV survey	Item	1	£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	1	£280.00	£0.00
	Epoxy resin	no	1	£22.00	£22.00
5.0	Miscellaneous		ļ	0400.00	00.00
5.1	Excavation and backfill of soakaway (1m3) with stone	Item	ļ	£400.00	£0.00
5.2	% Uplift on disbursements and suppliers charges	%		£1.25	£0.00
5.3	Daywork - Hourly labour rate	hr	ļ	£30.00	£0.00
5.4	Minimum project value	Item		£346.50	£0.00
5.5				£0.00	£0.00
5.6			1	£0.00	£0.00
5.7				£0.00	£0.00
5.8				£0.00	£0.00
6.0	Additional items				
			 	077.00	60.00
6.1	De-scaling (fat/grime)	hr	1	£65.00	£0.00
6.2	De-scaling (scale using chain flails)	hr	ļ	£90.00	£0.00
6.3	Gully surround	item		£30.00	£0.00
	Manhole works (up to 1.2m)	item	ļ	£80.00	£0.00
6.4	Oversize soakaway (1.5m3)	item	ļ	£600.00	£0.00
6.4 6.6			1	POA	
6.4 6.6 6.7	Soakaway >1.5m3	item			
6.4 6.6 6.7 6.8	Waste disposal	m		£20.00	£0.00
6.4 6.6 6.7					£0.00
6.4 6.6 6.7 6.8	Waste disposal	m	2.0	£20.00	
6.4 6.6 6.7 6.8	Waste disposal Shoring	m	2.0 0.00	£20.00	£0.00

Note: Subject to the attached Terms and Condtions

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

Site:-

10 Hook Lane, Northaw,

Client :-Attention of:- Sedgwick International UK - Morley (Leeds) **David Taylor**

Client ref 6873723 552617 Job Number Insurer AXA Personal 24-Jan-19

	Description				
Item No	Mh 1 downstream to Mh 2 - Run 3	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) Additional 1/2 hr survey charge	Item		£130.00 £30.00	£0.00 £0.00
2.3		Item		230.00	10.00
3.0 3.1	Replacing Underground Drainage Gullies				
3.2	Take out and replace gulley (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 3.10	Excavate and replace junction/bend (100mmØ), Excavation depth 1-1.5m.	Item		£70.00 £70.00	£0.00
3.10	Excavate and replace junction/bend (150mmØ), Excavation depth 1-1.5m. Excavate and replace junction/bend (100mmØ), Excavation depth 1.5-2.0m.	Item Item		£70.00	£0.00
3.12	Excavate and replace junction/bend (150mmØ), Excavation depth 1.5-2.0m.	Item		£70.00	£0.00
		no		37,0100	20.00
3.13	Pipes Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	m		£95.00	£0.00
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m. Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m	1	£120.00	£0.00
3.16	Excavate trench and replace 190mmø pipework, Excavation depth 0-1m, First Tohi.	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 3.29	Excavate through and replace concrete paving slabs	m	1	£30.00 £50.00	£0.00
3.30	Excavate through and replace block paving Excavate through and reinstate plain concrete, maximum thickness 100mm.	m 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 675.00	£0.00
3.36	Reinstatement of crazy paving	m		£75.00	10.00
4.0	Lining	τ.	,	6200.00	6200.00
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm Line 100mmØ drain	Item m	3	£290.00 £50.00	£290.00 £150.00
4.2	Super Flex Liner 100mm drain	m	3	£90.00	2130.00
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 4.7	Root cutting of drain prior to lining Set up lining rig for patch lining	hr Item		£65.00 £0.00	£0.00
4.7	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 Re-open lateral branch over 2m length, pipe up to 150mm	no		£190.00 £280.00	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm Epoxy resin	no no	2	£280.00 £22.00	£0.00 £44.00
E C		110		322.00	~ 13.00
5.0 5.1	Miscellaneous Excavation and backfill of soakaway (1m3) with stone	Itam	+	£400.00	£0.00
5.1	% Uplift on disbursements and suppliers charges	Item %	+	£1.25	£0.00
5.3	Daywork - Hourly labour rate	hr	1	£30.00	£0.00
5.4	Minimum project value	Item		£346.50	£0.00
5.5			1	£0.00	£0.00
5.6			1	£0.00	£0.00
5.7			+	£0.00	£0.00
	Additional items		+	£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
	Gully surround Manhole works (up to 1.2m)	item		£30.00 £80.00	£0.00
6.3	Manhole works (up to 1.2m) Oversize soakaway (1.5m3)	item item		£80.00	£0.00
6.4		Item	1		20.00
	Soakaway >1.5m3	item		POA	
6.4 6.6		item m		POA £20.00	£0.00
6.4 6.6 6.7	Soakaway >1.5m3 Waste disposal Shoring				£0.00
6.4 6.6 6.7 6.8	Soakaway >1.5m3 Waste disposal	m	3.0	£20.00	

Note: Subject to the attached Terms and Condtions

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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

Site:-

10 Hook Lane, Northaw,

Client :-Attention of:- Sedgwick International UK - Morley (Leeds) David Taylor

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

	Description		Recommendat	ion.	4
Item No	Mh 2 upstream to Svp 1 - Run 4	Unit	Quantity	Rate	Price
				(£)	(\mathfrak{t})
1.0	Emergency Drain Blockage Clearance	16		070.00	60.00
1.1	Unblock drain 8am-6pm - First 1/2 Hour Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item Item		£70.00 £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	Item		£130.00	£0.00
2.3	Undertake CCTV survey 8am-6pm (up to 3 hours) Additional 1/2 hr survey charge	Item		£30.00	£0.00
		itom		200.00	20.00
3.0	Replacing Underground Drainage Gullies				
3.1	Take out and replace gulley (100mm outlet)	Item		£130.00	£0.00
3.3	Take out and replace guilty (100mm outlet) Take out and replace rodding point (100mm outlet)	Item		£90.00	£0.00
3.4	Bends/junctions	Tion.			20.00
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.	Itam		£70.00	£0.00
3.8	Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m. Excavate and replace junction/bend (150mmØ), Excavation depth 0-1m.	Item Item		£70.00	£0.00
3.9	Excavate and replace junction/bend (190mmØ), Excavation depth 9-1m 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 Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m.	***	1	£95.00	£0.00
3.14	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m, First 10m. Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m m	+	£120.00	£0.00
3.16	Excavate trench and replace 130mmØ pipework, Excavation depth 0-1m, First 10m.	m	1	£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. Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m m	1	£160.00 £150.00	£0.00
3.20	Excavate trench and replace 100mm/p pipework, Excavation depth 1-1.5m. Excavate trench and replace 150mm/p pipework, Excavation depth 1-1.5m.	m m	-	£150.00 £160.00	£0.00
		m			
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 £115.00	£0.00
3.33	Excavate through and reinstate reinforced concrete, thickness 100-200mm.	m			£0.00
3.34	Excavate through and reinstate Tarmac - Cold rolled Excavate through and reinstate Tarmac - Hot rolled	m m		£48.00 POA	10.00
3.36	Reinstatement of crazy paving	m		£75.00	£0.00
		- 111		275.00	20.00
4.0	Lining	Τ,		£290.00	6200.00
4.1	Set up lining rig for drain lining including first 3m of lining per run, for 100mm or 150mm Line 100mmØ drain	Item m	1	£50.00	£290.00 £0.00
4.2	Super Flex Liner 100mm drain	m		£90.00	20.00
4.3	Line 150mmØ drain	m		£70.00	£0.00
****	Super Flex Liner 150mm drain	m		£110.00	20.00
4.4	Post lining CCTV survey	no	1	£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 Re once leteral broads up to 2m length, pine up to 150mm	Item	1	£250.00	£0.00
4.12	Re-open lateral branch up to 2m length, pipe up to 150mm Re-open lateral branch over 2m length, pipe up to 150mm	no	-	£190.00 £280.00	£0.00
4.13	Epoxy resin	no no	1	£280.00	£22.00
		110	-	~##.UU	222.00
5.0	Miscellaneous			0.400.00	20.0-
5.1	Excavation and backfill of soakaway (1m3) with stone	Item	1	£400.00	£0.00
5.2	% Uplift on disbursements and suppliers charges Daywork - Hourly labour rate	%	1	£1.25 £30.00	£0.00
5.3	Minimum project value	hr Item		£346.50	£0.00
5.5	Annual project muc	Hem	1	£0.00	£0.00
5.6				£0.00	£0.00
5.7			1	£0.00	£0.00
5.8				£0.00	£0.00
6.0	Additional items		 		
			!	0.5	
6.1	De-scaling (fat/grime)	hr	1	£65.00	£0.00
6.2	De-scaling (scale using chain flails)	hr	ļ	£90.00	£0.00
6.3	Gully surround Manhala works (up to 1.2m)	item	1	£30.00	£0.00
6.4	Manhole works (up to 1.2m) Oversize soakaway (1.5m3)	item	1	£80.00	£0.00
6.6	Oversize soakaway (1.5m3) Soakaway >1.5m3	item item	 	£600.00 POA	£0.00
6.8	Soakaway >1.5m3 Waste disposal	n item	-	£20.00	£0.00
6.9	Shoring	m	+	£40.00	£0.00
U.)	Total Estimate Price For Recommendation Number	111	4.0	~ r0.00	£312.00
	Subject to discount	<u> </u>	0.00		£0.00
	Subject to discount		0.00		£0.00

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

Site:-

10 Hook Lane, Northaw,

Client :-Attention of:- Sedgwick International UK - Morley (Leeds) **David Taylor**

Client ref 6873723 552617 Job Number Insurer AXA Personal 24-Jan-19

	Description	٦			
Item No	Mh 2 upstream to Wg 2 - Run 5	Unit	Quantity	Rate	Price
				(£)	(£)
1.0	Emergency Drain Blockage Clearance	lt o no		670.00	00.00
1.1 1.2	Unblock drain 8am-6pm - First 1/2 Hour Unblock drain 8am-6pm- Subsequent 1/2 Hour	Item Item		£70.00 £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
	· · · · · · · · · · · · · · · · · · ·			200.00	20.00
2.1	CCTV Surveys	14		0400.00	00.00
2.2	Undertake CCTV survey 8am-6pm (up to 3 hours)	Item Item		£130.00 £30.00	£0.00
	Additional 1/2 hr survey charge	item		230.00	10.00
3.0	Replacing Underground Drainage				
3.1	Gullies				
3.2	Take out and replace gulley (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	Te		200.00	CO OO
3.5 3.6	Excavate and replace rest bend (100mm outlet) Excavate and replace rest bend (150mm outlet)	Item		£90.00 £120.00	£0.00
3.0	Excavate and reprace rest bend (150mm outlet)	Item		£120.00	20.00
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	1	£95.00	£0.00
3.15	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m, First 10m.	m	1	£120.00	£0.00
3.16	Excavate trench and replace 100mmØ pipework, Excavation depth 0-1m.	m	1	£95.00	£0.00
3.17	Excavate trench and replace 150mmØ pipework, Excavation depth 0-1m.	m	İ	£120.00	£0.00
			1	£150.00	
3.18	Excavate trench and replace 100mm@ pipework, Excavation depth 1-1.5m, First 10m.	m	 	£150.00 £160.00	£0.00
3.19	Excavate trench and replace 150mmØ pipework, Excavation depth 1-1.5m, First 10m. Excavate trench and replace 100mmØ pipework, Excavation depth 1-1.5m.	m	1	£150.00	£0.00
3.20	Excavate trench and replace 100mm/Ø pipework, Excavation depth 1-1.5m. Excavate trench and replace 150mm/Ø pipework, Excavation depth 1-1.5m.	m m	1	£160.00	£0.00
			_		
3.22	Excavate trench and replace 100mmØ pipework, Excavation depth 1.5-2.0m, First 10m.	m	ļ	£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	1	£290.00	£0.00
4.6 4.7	Root cutting of drain prior to lining Set up lining rig for patch lining	hr	1	£65.00 £0.00	£0.00
		Item	1	£0.00 £250.00	£0.00
4.8	Patch line 100mmØ drain Patch line 150mmØ drain	no no	 	£250.00 £280.00	£0.00
4.9	Post patch lining CCTV survey	Item	1	£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	1	£190.00	£0.00
4.13	Re-open lateral branch over 2m length, pipe up to 150mm	no	İ	£280.00	£0.00
-	Epoxy resin	no	1	£22.00	£22.00
EA		1	1		•
5.0 5.1	Miscellaneous Excavation and backfill of soakaway (1m3) with stone	Itarr	1	£400.00	£0.00
5.1	% Uplift on disbursements and suppliers charges	Item %	1	£1.25	£0.00
5.3	Daywork - Hourly labour rate	% hr	1	£30.00	£0.00
5.4	Minimum project value	Item	1	£346.50	£0.00
5.5	p=,, muo	2.011	1	£0.00	£0.00
5.6		1	1	£0.00	£0.00
5.7		1	İ	£0.00	£0.00
5.8				£0.00	£0.00
6.0	Additional items	1	1		
0.0		 	 	0.55	
	De-scaling (fat/grime)	hr	1	£65.00	£65.00
6.1		hr	1	£90.00	£0.00
6.2	De-scaling (scale using chain flails)				
6.2 6.3	Gully surround	item		£30.00	
6.2 6.3 6.4	Gully surround Manhole works (up to 1.2m)	item item		£80.00	£0.00
6.2 6.3 6.4 6.6	Gully surround Manhole works (up to 1.2m) Oversize soakaway (1.5m3)	item item item		£80.00 £600.00	
6.2 6.3 6.4 6.6 6.7	Gully surround Manhole works (up to 1.2m) Oversize soakaway (1.5m3) Soakaway >1.5m3	item item item item		£80.00 £600.00 POA	£0.00 £0.00
6.2 6.3 6.4 6.6 6.7 6.8	Gully surround Manhole works (up to 1.2m) Oversize soakaway (1.5m3) Soakaway > 1.5m3 Waste disposal	item item item item item m		£80.00 £600.00 POA £20.00	£0.00 £0.00
6.2 6.3 6.4 6.6 6.7	Gully surround Manhole works (up to 1.2m) Oversize soakaway (1.5m3) Soakaway >1.5m3 Waste disposal Shoring	item item item item	50	£80.00 £600.00 POA	£0.00 £0.00 £0.00
6.2 6.3 6.4 6.6 6.7 6.8	Gully surround Manhole works (up to 1.2m) Oversize soakaway (1.5m3) Soakaway > 1.5m3 Waste disposal	item item item item item m	5.0	£80.00 £600.00 POA £20.00	£0.00 £0.00

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E - Depths are taken to the base of excavations

				Sheet:		Site:	10 Hook Lane		
Co	ding (Sheet		Job No.:	552617				
				Date:	21/01/19	Client:	Sedgwick International UK - N	Morley (Leeds)	
Run:	1								
From:		M	H1	Invert Lev	/el:	300	Direction:	U/S	
To:		DSV	NC1	Invert Lev	/el:		Function:	F/W	
Pipe Materi	ial:	V	/C	Pipe Dia:		100	7		
Water/Pres	sure Te	st:		Drain Brea	ak-In:	No	Gully Condition:		
Distance	Code	Cloc	k Ref	Dia	Intru	usion	Shared Run:	No	
(m)		at	to	mm	%	mm	If Shared How:		
0.00	ST						Remarks	Surface Material	Length (m)
0.00	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 Thou	ghout r	un							
Run:	2				•				
From:		M	H1	Invert Lev	vel:	300	Direction:	U/S	
To:		BURIE	D WG1	Invert Lev	vel:		Function:	F/W	
Pipe Materi	ial:	V	/C	Pipe Dia:		100	7		
Water/Pres		st:		Drain Bre	ak-In:	No	Gully Condition:		
Distance	Code		k Ref	Dia	Intri	usion	Shared Run:	No	
(m)		at	to	mm	%	mm	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		1
Comments:					1				
					-		-	-	

Run:	3								
From:		М	H1	Invert Lev	rel:	300	Direction:	D/S	
То:		М	H2	Invert Lev	rel:	450	Function:	F/W	
Pipe Materi	ial:	٧	'C	Pipe Dia:		100	†	<u> </u>	
Water/Pres		st:		Drain Bre	ak-In:	No	Gully Condition:		
Distance	Code		k Ref	Dia	Intro	usion	Shared Run:	No	
(m)		at	to	mm	%	mm	If Shared How:		
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:	-	М	H2	Invert Lev	el:	450	Direction:	U/S	
To:			'P1	Invert Lev			Function:	F/W	
Pipe Materi	ial:		'C	Pipe Dia:		100		,	
Water/Pres				Drain Bre	ak-In:	No	Gully Condition:		
Distance	Code		k Ref	Dia		usion	Shared Run:	No	
(m)	•	at	to	mm	%	mm	If Shared How:		
0.00	ST				,,,		Remarks	Surface Material	Length (m)
0.50	CC	12	12				Crack circumferential	5 4.1466.114.	
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:		M	H2	Invert Lev	rel·	450	Direction:	U/S	
To:			G1	Invert Lev		730	Function:	F/W	
Pipe Materi	ial·		'C	Pipe Dia:	C1.	100	T direction.	1 / ٧٧	
Water/Pres				Drain Bre	ak-In·	No	Gully Condition:	As Built	
Distance	Code		k Ref	Dia		usion	Shared Run:	No No	
(m)	Code	at	to	mm	%	mm	If Shared How:	140	
0.00	ST	uı	1.0		70	111111	Remarks	Surface Material	Length (m)
1.80	CC	12	12				Crack circumferential	Sarrace Material	
2.00	ESL						Scale light	PAVING SLABS	1
2.00	CC	12	12				Crack circumferential	7.1.110 32 103	1
2.60	RFJ						Roots fine at joint		1
2.90	WL				10		Water level		1
3.40	FH				10		REACHED WG2		1
Comments:		<u> </u>		<u> </u>		<u> </u>	THE TOTAL DE VIOL	<u> </u>	
comments.	•								

Run:	6								
From:		М	H2	Invert Lev	/el:	450	Direction:	D/S	
То:		D	/S	Invert Level:			Function:	S/W	
Pipe Mater	ial:	٧	'C	Pipe Dia:		100			
Water/Pres	ssure Te	st:		Drain Bre	ak-In:	No	Gully Condition:		
Distance	Code	Cloc	Clock Ref		Intru	ısion	Shared Run:	No	
(m)		at	to	mm	%	mm	If Shared How:		
0.00	ST						Remarks	Surface Material	Length (m
7.00	FH						REACHED D/S	PAVING SLABS	
	-								
Comments									
	7								
From:	7		/G1	Invert Lev			Direction:	D/S	
From: To:		D	/S	Invert Lev			Direction: Function:	D/S S/W	
From: To:		D		-		100	 		
From: To: Pipe Mater	ial:	D P\	/S	Invert Lev	vel:	100 Yes	 		
From: To: Pipe Mater	ial:	D P\ st:	/S	Invert Lev Pipe Dia:	vel: ak-In:		Function:	S/W	
From: To: Pipe Mater Water/Pres	ial: ssure Te	D P\ st:	/S /C	Invert Lev Pipe Dia: Drain Bre	vel: ak-In:	Yes	Function: Gully Condition:	S/W As Built	
	ial: ssure Te	D P\ st: Cloc	/S /C k Ref	Invert Lev Pipe Dia: Drain Bre Dia	vel: ak-In: Intru	Yes usion	Function: Gully Condition: Shared Run:	S/W As Built	Length (m
From: To: Pipe Mater Water/Pres Distance (m)	ial: ssure Te Code	D P\ st: Cloc	/S /C k Ref	Invert Lev Pipe Dia: Drain Bre Dia	vel: ak-In: Intru	Yes usion	Function: Gully Condition: Shared Run: If Shared How:	S/W As Built No	Length (m
From: To: Pipe Mater Water/Pres Distance (m) 0.00	ial: ssure Te Code ST	D P\ st: Cloc	/S /C k Ref	Invert Lev Pipe Dia: Drain Bre Dia	vel: ak-In: Intru	Yes usion	Function: Gully Condition: Shared Run: If Shared How: Remarks	As Built No Surface Material	
From: To: Pipe Mater Water/Pres Distance (m) 0.00 1.70	ial: ssure Te Code ST LL	D P\ st: Cloc	/S /C k Ref	Invert Lev Pipe Dia: Drain Bre Dia	vel: ak-In: Intru	Yes usion	Function: Gully Condition: Shared Run: If Shared How: Remarks SLIGHT	As Built No Surface Material	

