

SITE INVESTIGATION FACTUAL REPORT

Report No:	377279
Client:	Crawford Claims Management
Site:	31 Heath Hurst Road, London
Client Ref:	1308651-
Date of Visit:	27/09/16





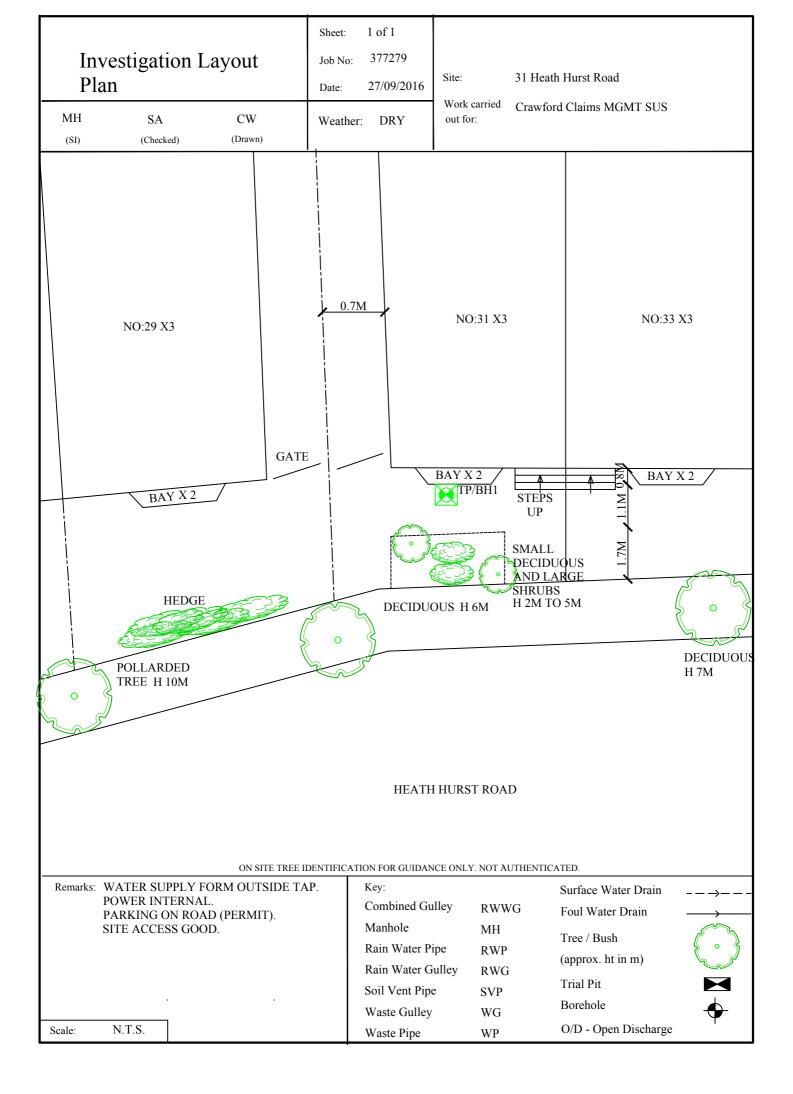
Home Emergency Response - Subsidence Investigation - Drainage Services – Crack & Level Monitoring – Property Video Surveys

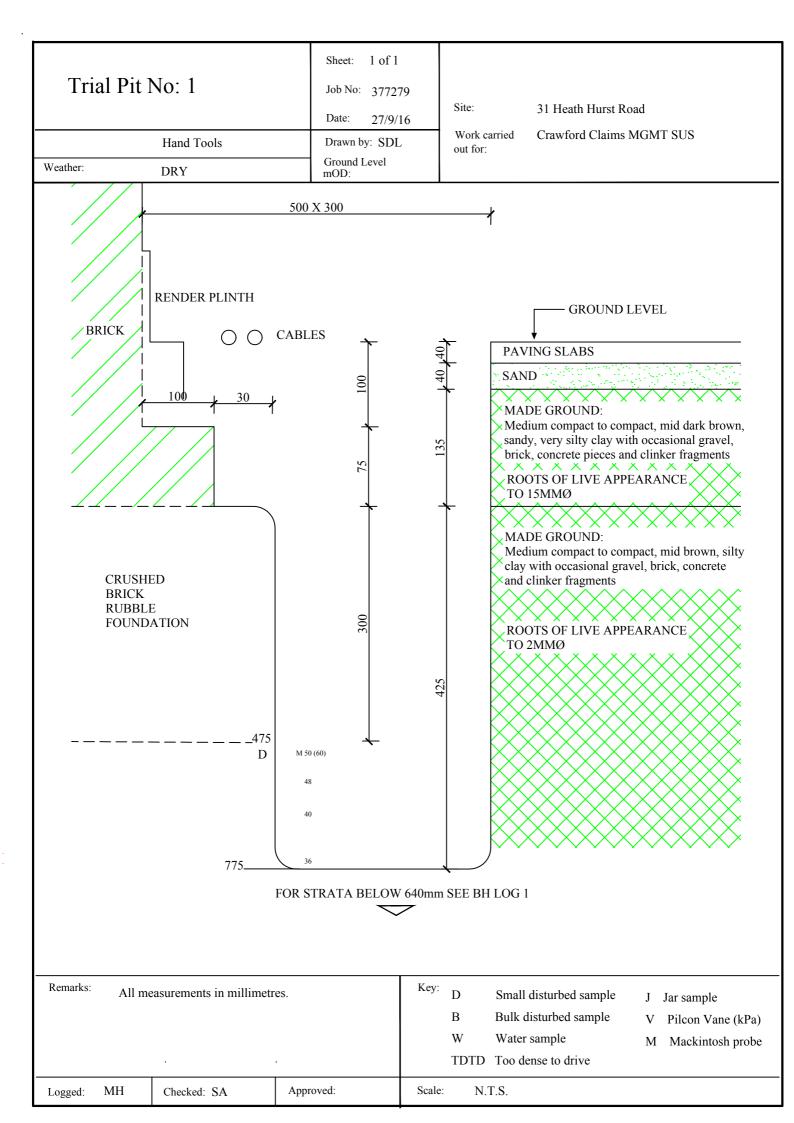
Unit E2 First Floor Suite, Boundary Court Willow Farm Business Park, Castle Donington Leicestershire, DE74 2NN 0843 2272362

⊠ enquiries@cet-uk.com

www.cet-uk.com

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





					Sheet:	1 of 1	Site:	31 Heath H	lurst Roa	d		
	Boreh	ole	1		Job No:	377279						
		1			Date:	27/09/2016						
Boring N		Rotary Auger			Ground Level:		Client:	Crawford (Claims Ma	anagem	ent	
Diamete	er (mm):	100	Weather:	Dry						r		
Depth				Soil Description				Г			ples and	
(m)								Thickness	Legend	Depth	Туре	Result
0.00	See Trial	Pit						0.60				
0.00												
0.60	Stiff orai	nge-brown silt	ty CLAY					1.80	<u>× – ×</u>			
									<u>×</u>	-		
									<u>×</u>			
									<u>×</u>	1.00	DV	90
									<u>~ ×</u>	1.00	DV	90 94
									<u></u>	<u> </u>		94
									<u>~ ~ ×</u>			
									<u></u>			
									<u>~ ~ ×</u>	1.50	D	
									<u>~ ~ ×</u>	1.50		
									<u>~×</u>			
									××	-		
									×			
									×	2.00	DV	130
									××			120
									××			
									×			
2.40	Very Stif	f orange-brow	vn silty CLAY					0.60	××			
	-	-							×	2.50	D	
									×			
									×			
									××			
									××			
3.00				End of BH						3.00	DV	140+
												140+
										<u> </u>		
										┝───		
										<u> </u>		
												-
										<u> </u>		
										<u> </u>		
Remarks	:					Key:				•	То	Max
		3H dry and ope	n on complet	ion. Hair and fibrous root		D - Disturbed Sa	ample				Depth	Dia
		roots to 3.0m.	-			B - Bulk Sample					(m)	(mm)
						W - Water Sam		Roots			1.30	1
						J - Jar Sample		Roots				
						V - Pilcon Shear	Vane (kPa					
						M - Mackintosh		Depth to V	Vater (m))		
						TDTD - Too Der			. ,			•
Logged:		Db	SA	Checked:	Approved:		V1.0 28/0		-		N.T.S.	

Laboratory Summary Results

Our Ref : 377279

Location :	31, Heath Hurst Road, NW3
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Crawford Claims Management Client:

Address:

Cartwright House, Tottle Road, Riverside Business Park, NG2 1RU

S TP/BH	Sample Ref Depth	Туре	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/	(1)	* 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]	so3 [14]	so ₄ [15]	[16]
			()*)[-]	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	() []	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	()]]]	1-1	(/0) [0]	1.1	(1)	(KI a) [0]	[7]	(mm)[10]	((/* //]	1 1	11	[]	11
1	U/S 0.475	D	33	9	85	28	57	0.10	52	CV	No	ot suitable	e for suction	n testing - M	ade groun	d				
1		D		,																
	1.0	D	34	<5	81	30	51	0.08	51	CV	168	269			92					
	1.5	D	33	<5							168	222								
	2.0	D	35	<5	83	28	55	0.13	55	CV	168	211			125					
	2.5	D	37	<5							168	238								
	3.0	D	33	<5	81	28	53	0.10	53	CV	168	196			> 140					
Test Me	thods / Notes				[8] In-house me	thod S9a adapted	from BRE IP 4/93			[16] BRE Spe	ecial Digest One (Co	oncrete in Aggres	sive Ground) Augu	st 2005	Key					
	7 : Part 2 : 1990, Test						a: One Dimensiona	l Swell/Strain Tes					DS-5 class, it would	d be	D	Disturbed sampl				
	ed if <5%, otherwise i 77 : Part 2 : 1990, Test				[10] Estimated H [11] Values of sh)d) e determined in situ	ı by CET using			onsider the sample a	-		can	B U	Disturbed sampl Undisturbed sam			ĊÎ	2
	77 : Part 2 : 1990, Test					d vane or Geono		,		to prove othe	-	nuaole magnesiu	m testing is undertal	KCII	w	Groundwater sa	•			-
	77 : Part 2 : 1990, Test				[12] BS 1377 : Pa					to prove ould	a wise.				W ENP	Essentially Non-		pection	Ē(\$,	₹) <u>=</u>
[6] BRE D	9igest 240 : 1993				[13] BS 1377 : Pa	art 2 : 1990, Test	No 9			* These test	ts are not UKAS acc	credited			U/S	Underside of Fo				ショ
	30 : 1981 : Figure 31 -	Plasticity C	hart for the classif		[14] BS 1377 : Pa		No 5.6				can be provided up								ŪΚ	AS -
of fine	soils				[15] SO ₄ = 1.2 x	SO ₃									¥7 ·	5BH V1.4 -	11/05/15		TESTI 86	

CET Structures Ltd - CET Property Assurance Division - Lawness Barns, Mountnessing Road, Billericay, Essex CM12 0TS

27/09/16

Date Received :

29/09/16

Date of Report :

Date Sampled:

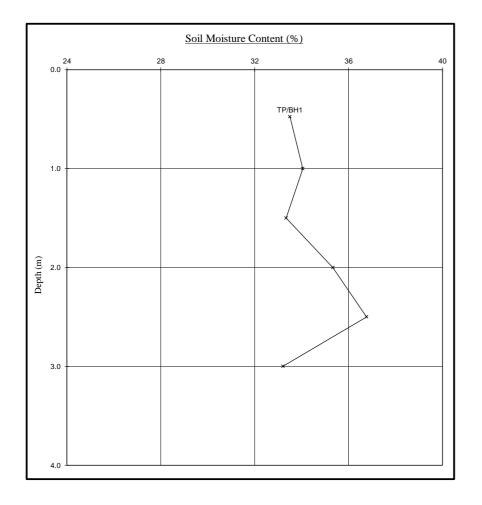
Date Tested :

28/09/16

11/10/16

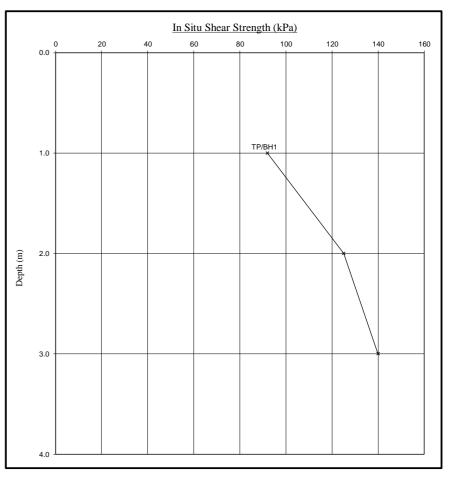
Moisture Content Profiles

Our Ref : 377279 Location : 31, Heath Hurst Road, NW3 Work carried out for: Crawford Claims Management



Shear Strength Profiles

Date Sampled :	27/09/16
Date Received :	28/09/16
Date Tested :	29/09/16
Date of Report :	11/10/16



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.

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 140 kPa.

Note

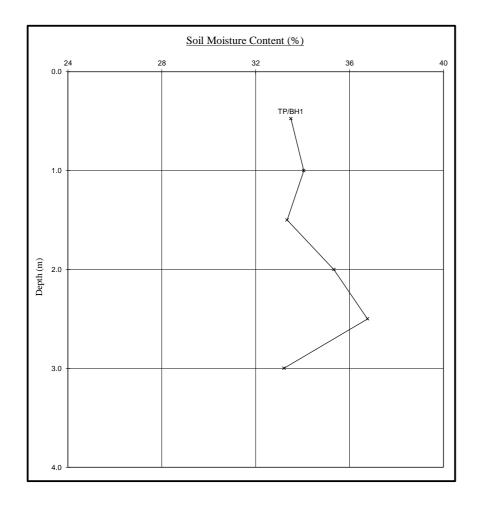
2. Unless specifically noted the profiles have not been related to a site datum.

Moisture Content Profiles

 Our Ref :
 377279

 Location :
 31, Heath Hurst Road, NW3

 Work carried out for:
 Crawford Claims Management



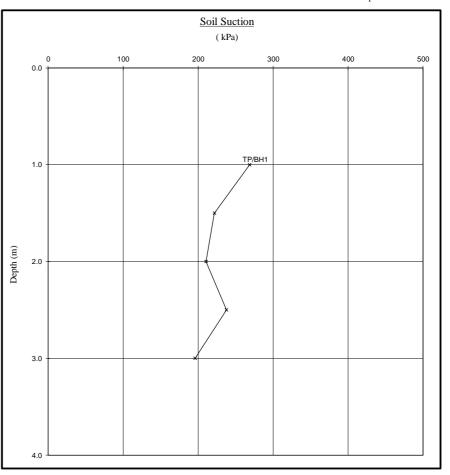
Soil Suction Profiles	

 Date Sampled :
 27/09/16

 Date Received :
 28/09/16

 Date Tested :
 29/09/16

 Date of Report :
 11/10/16



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.

		Sheet: 1 of 1				
EPSL European Plant Scie	ence Laboratory	Job No: 377279 Date: 04/10/2016 Order No: 890048 EPSL Ref: R15831	Site: 31 Heath Hurst Road, N Work carried out for: Crawford Claims MGM			
		Certificate	of Analysis			
The following work was correference given as to the ty The results were as follows	pes of tree or shrub from		ot samples were obtained in sealed packe ginated.	ets from the above site with no		
Trial pit/ Borehole <u>number</u>	Root diameter (<u>mm</u>)		ree, shrub or climber <u>m which root originates</u>	Result of starch test		
TP1 (USF)	1.5 mm		Viburnum spp.	Positive		
TP1 (USF)	2 mm		Fraxinus spp.			
BH1 (0.675-1.3m)	<1 mm		Cupressaceae spp.	Negative		
Heltidae MDM	ul		DPA			

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

 Telephone: 01248 672 652

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

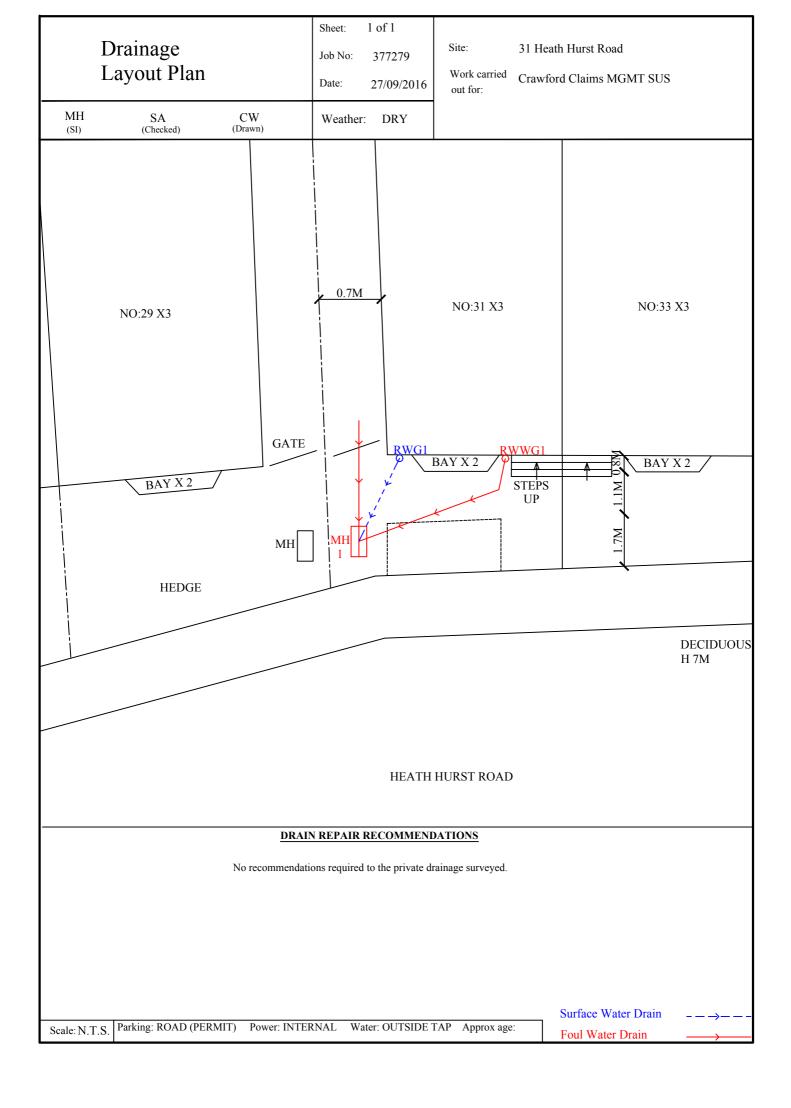
 Head of Laboratory Services : M D Mitchell B.Sc. (Hons), M.Phil.

 Plant Anatomist : Dr G S Turner B.Sc. (Hons), M.Sc., Ph.D

 Plant Anatomist : Dr D P Aebischer B.Sc. (Hons), M.Sc., 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: Ftao: Gordon McEwan	Crawford Claims Management	Client Ref: Job No. Claim No:	1308651 377279 251998/HSA/2016				
Site:	31 Heath Hurst Road	Date:	06-Oct-16				
	ESTIMATE						
Item			An	nount			
No recom	mendations required to the private drainage surveyed.						
Notes							
Repairs to shared runs and off b	boundary pipe-work may be the responsibility of the water authority.	Total	£0	0.00			
Condition Grade		plus VAT @20)% £'	0.00			
A - Structurally sound with no lea B - Cracks and fractures observe	akage evident. ed.	Total + VA1	۲ £	0.00			
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.							

			Sheet:		Site:	31 Heath Hurst Road				
Co	ding	Sheet		Job No.:	377279					
				Date:	27/09/16	Client:	Crawford Claims Manageme	Crawford Claims Management		
Run:	1									
From:		M	H1	Invert Lev	vel:	1850	Direction:	U/S		
То:		Rw	wg	Invert Lev	vel:		Function:	Comb		
Pipe Materi	al:	P۱	/C	Pipe Dia:		100				
Water/Pres	sure Te	st:		Drain Bre	ak-In:	Yes	Gully Condition:	As Built		
Distance	Code	Cloc	k Ref	Dia	Intru	usion	Shared Run:			
(m)		at	to	mm	%	mm	If Shared How:			
0.00	ST						Remarks	Surface Material	Length (m)	
4.30	LL						Line deviates left	crazy paving	4.7	
4.70	FH						End of survey	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Comments:							· · ·			
Run:	2									
From:		М	H1	Invert Lev	vel:	1850	Direction:	U/S		
To:		Rv	vg	Invert Lev	vel:		Function:	S/W		
Pipe Materi	al:	P۱		Pipe Dia:	-	100	-			
Water/Pres			_	Drain Bre	ak-In:	Yes	Gully Condition:	As Built		
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)	
0.40	DES				10		Debris silt	crazy paving	2.1	
1.00	WL				10		Water level			
1.20	LR				10		Line deviates right			
2.10	FH						reached rwg			
Comments:							reacheurwg			
comments.										
Run:	3									
From:	5	м	H1	Invert Lev	امر.	1850	Direction:	U/S		
То:		U		Invert Lev		1050	Function:	Comb		
Pipe Materi	ali		/S C	Pipe Dia:		150		comb		
Water/Pres				Drain Bre	ak Ini		Cully Condition:			
			Dof			No usion	Gully Condition:			
Distance	Code		k Ref	Dia			Shared Run: If Shared How:			
(m)	<u>ст</u>	at	to	mm	%	mm		Cumfree Marter 1		
0.00	ST						Remarks	Surface Material	Length (m)	
5.00	GO						3m passed front	crazy paving	3	
5.00	FH						Reached 5 meters u/s	behind gate ?	3m	
Comments:										

Run:	4								
From:		М	H1	Invert Lev	Invert Level:		Direction:	U/S	
То:		U	/S	Invert Lev	nvert Level:		Function:		
Pipe Mater	ial:	V	′C	Pipe Dia:	Pipe Dia:				
Water/Pres	ssure Te	st:		Drain Bre	ak-In:	No	Gully Condition:		
Distance	Code	Cloc	k Ref	Dia	Intru	ision	Shared Run:	No	
(m)		at	to	mm	%	mm	If Shared How:		
0.00	ST						Remarks	Surface Material	Length (m)
0.00	FH						Capped off		
Comments	:	-				-			
Run:	5								
From:		М	H1	Invert Lev	vel:	1850	Direction:	U/S	
To:		U	/S	Invert Lev	vel:		Function:		
Pipe Mater	ial:	V	′C	Pipe Dia:		100	-		
Water/Pres	ssure Te	st:		Drain Bre	ak-In:	No	Gully Condition:		
Distance	Code	Cloc	k Ref	Dia	Intru	ision	Shared Run:	No	
(m)		at	to	mm	%	mm	If Shared How:		
0.00	ST						Remarks	Surface Material	Length (m)
0.00	FH						Capped off		
Comments	:						-	•	

	Sheet:	1 of 1	Site:	31 Heath Hurst Road
Manhole Details	Job No.:	377279		
	Date:	27/09/16	Client:	Crawford Claims Management
MH:- MH1 Depth:- 1850	<u>nm</u> (mm) 4 - 5	Depths of r different to Run 1 2	run if Depth (mm 400 500	Manhole Condition:- Good) Reasons for poor condition.
Chamber Dimension:- 45) / 600	(mm)		
MH:- Depth:-	(mm)	Depths of r different to Run	run if Dinvert level:- Depth (mm	Manhole Condition:- Reasons for poor condition.
Chamber Dimension:-	/	(mm)		
MH:- Depth:-	(mm)	Depths of r different to Run	un if Dinvert level:- Depth (mm	Manhole Condition:- Reasons for poor condition.
Chamber Dimension:-	/	(mm)		
Key Interceptor		Additional Com	aments for Poor (Condition
Internal Back Drop				
External Back Drop				