SubsNetuk

Drains

for Subsidence Management Services

96 Haverstock Hill, London, NW3 2BD

Client: Subsidence management Services

Client Contact: Raymond Borrow

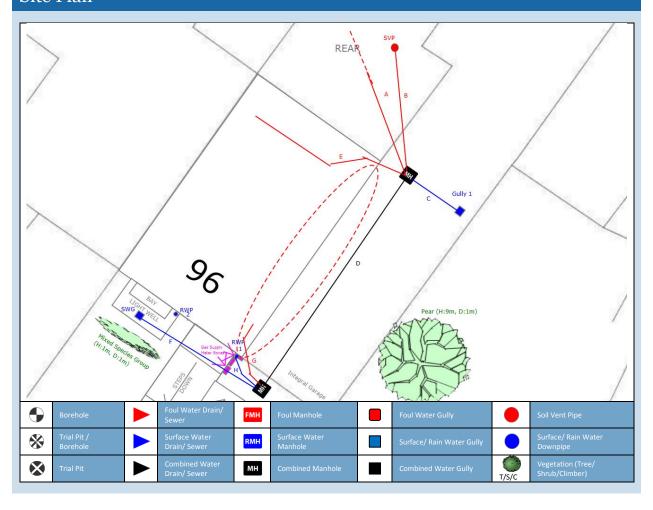
Client Ref: IFS-AVI-SUB-14-0052426

Policy Holder: Haverstock Hill Limited

Report Date: 30 June 2015

Our Ref: C18151D7398 Rev1

Site Plan



SubsNetuk

Inspection Report

RUN:	Α	Dia	100	Duty:	Foul Wa	iter	Materia	l: (Clay	Responsibility: Insured		
		mm:		•						-	•	
FROM:	N	1H1	Depth	830	TO:	•	ond Area o	f De	pth	N/A	Direction:	U/Stream
			mm:				Concern	mn	n:			
Motorago	Ć	de	Dofo	+	Cloc	k re	f Conti	nuous	%	Comments		
Meterage	Co	ae	Dele	Defect S F defect		ect	70	Comments				
			Start of s	urvey,								
0.00	M	IH	Manh	ole							MH1	
0.00	W	/L	Water I	evel					0			
			Section Co	mplete,								
			Beyond a	rea of								
6.00	BA	CF	conce	ern							Beyond Area of	Concern
TOTAL LEI	NGTI	I STRU	ICTURAL C	ONDITIO	ON GRA	DE:	-					Α

TOTAL LENGTH STRUCTURAL CONDITION GRADE:-

A = Structurally sound with no leakage evident. Slight cracks/ defect permitted
B = Cracks and/ or fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide insufficient arching support when deformation is >20% of the diameter

and >10% for clay/ concrete pipes.)

C = Structurally unsound with insufficient arching support, or large holes. Total collapse/ blockage likely.

DRAIN SERVICABILITY:

Is the drain failing to discharge normal household flows to the sewer system, i.e. recurrence of blockages?	No
Is there evidence of leakage occurring (infiltration or exfiltration)?	No
Is there intermittent storm water flooding?	No
Are existing roots or future root growth likely to lead to continuing blockages?	No
Has a leakage test failed?	N/A
Do defects make the drain unserviceable?	NO

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FROM: MH1 Depth mm: 830 mm: TO: SVP Depth mm: N/A pirection: Meterage Code Defect Clock ref survey, Manhole Continuous defect % Commendation 0.00 MH Manhole MH1 MH1	U/Stream
Meterage Code Defect S F Continuous defect % Comme	ents
Start of survey, 0.00 MH Manhole MH1	ents
0.00 MH Manhole MH1	
0.00 WII Water level	
0.00 WL Water level 0	
Line of drain/sewer 1.42 LR deviates right 45°	
Line of drain/sewer 2.07 LU deviates up 90°	
Section complete, Soil 2.07 SVPF and Vent Pipe Enters SV	.VP
TOTAL LENGTH STRUCTURAL CONDITION GRADE:-	A
A = Structurally sound with no leakage evident. Slight cracks/ defect permitted B = Cracks and/ or fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide insufficient arching support when deformation and >10% for clay/ concrete pipes.) C = Structurally unsound with insufficient arching support, or large holes. Total collapse/ blockage likely. DRAIN SERVICABILITY:	n is >20% of the diame
Is the drain failing to discharge normal household flows to the sewer system, i.e.	No
recurrence of blockages?	
Is there evidence of leakage occurring (infiltration or exfiltration)?	No
Is there intermittent storm water flooding?	No
Are existing roots or future root growth likely to lead to continuing blockages?	No
Has a leakage test failed?	N/A

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С	Dia mm:	100 Duty: Foul Water Material: Clay Responsibility:		onsibility:	Insured								
MH1		MH1		Depth mm:	830	то:		Gully 1	-		N/A	Direction:	U/Stream
6 -	al a	Defe		Clock ref		Continu	Continuous						
Co	ae	Defect S F defect %		Comme	nts								
N	1H		• •							MH1			
W	/L	Water	level					0					
JD	M		•										
		Section complete,											
G'	YF	F Gully Enters Gully 1							lly 1				
und with fracture concret	h no leakage es observed te pipes.)	e evident. Slight o but pipe provides	racks/ defect pe sufficient archi	ermitted ng support (e	e.g. plas	tics or pitch-fibre	provide i	insufficie	ent arching	support when deformation	An is >20% of the diamete		
	-	, I NO							No				
there evidence of leakage occurring (infiltration or exfiltration)?							No						
											No		
							No						
		·							N/A				
	M W JD G G NGTH und with fracture concrete cound v tritre concrete	MH1 Code MH WL JDM GYF NGTH STRU und with no leakage fractures observed concrete pipes.) sound with insuffici	mm: MH1 Depth mm: Code Start of s MH Manh WL Water Joint disp JDM Medit Section co GYF Gull NGTH STRUCTURAL Cound with no leakage evident. Slight of fractures observed but pipe provides (concrete pipes.) sound with insufficient arching support (concrete pipes.)	mm: MH1 Depth mm: Start of survey, MH Manhole WL Water level Joint displaced, JDM Medium Section complete, GYF Gully NGTH STRUCTURAL CONDITIO und with no leakage evident. Slight cracks/ defect pe fractures observed but pipe provides sufficient archi concrete pipes.) sound with insufficient arching support, or large hole inty: In failing to discharge normal he e of blockages? ridence of leakage occurring (intermittent storm water flooding roots or future root growth	mm: Depth 830 TO: mm:	mm: Depth 830 TO:	mm: Depth 830 TO: Gully 1	MH1 Depth 830 TO: Gully 1 Depth mm: Code Defect Clock ref Continuous defect Start of survey, MH Manhole WL Water level Joint displaced, JDM Medium Section complete, GYF Gully NGTH STRUCTURAL CONDITION GRADE:- und with no leakage evident. Slight cracks/ defect permitted fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide fractures observed but pipe provides su	MH1 Depth 830 TO: Gully 1 Depth mm: Clock ref Continuous defect % MH1 Manhole ML Water level User Use	mm: Depth 830 TO: Gully 1 Depth N/A mm:	mm: Depth 830 TO: Gully 1 Depth N/A Direction: mm: Clock ref Continuous % Comme MH1 Manhole MH1 Multiple Medium Mediu		

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RUN:	D	Dia mm	100	Duty:	Foul Wa	ater	Material:	C	lay	Resp	Responsibility:		ed
FROM:	N	ИН1	Depth 830 mm:		то:	TO: MH2 Depth N/mm:				N/A	Direction:	U/Stre	eam
Mataraga	Ca	da			Cloc	k ref	Continu	Continuous		Comments			
Meterage	Co	de	Defe	ect	S	F	defe	ct	%		Comme	nts	
0.00	N	1H	Start of s Manh	,,							MH1		
0.00	٧	٧L	Water	level					0				
3.18	F	RF	Roots,	Fine									
6.86	٧	٧L	Water	level					10				
6.86	М	HF	Section complete, Manhole Enters MH2							IH2			
A = Structurally so B = Cracks and/ or and >10% for clay	ound wit fracture concre	h no leaka es observe te pipes.)	UCTURAL (ge evident. Slight of the state of	cracks/ defect p s sufficient arch	ermitted ing support (e.g. plas	itics or pitch-fibre	provide i	insufficio	ent arching	support when deformatio	n is >20% of the o	diameter
Is the drai		_	o discharge normal household flows to the sewer system, i.e. No							0			
			f leakage occurring (infiltration or exfiltration)?						0				
			it storm water flooding?						0				
Are existin	ng ro	ots or	future roc	t growth	likely 1	to lea	ad to cont	inuin	g blo	ckage	s?	No	0
Has a leak											Ά		

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RUN:	E	Dia mm:	100	Duty:	Foul Wate	er N	laterial:	Pla	astic	Responsibility:	sured		
FROM:	Ν	1H2	Depth mm:	N/A	TO:	•	d Area of ncern	Dep mm		Direction:			
Meterage	Co	de	Defe	ect	Clock	ref	Continu		%	Comments			
· ·					S	F	defe	ct					
0.00	N	IH	Start of s Manh	-						MH1			
0.00	V	/L	Water	level					0				
2.59	L	L	Line of drai deviate	s left						900			
4.35	L	R	Line of drai deviates	•						45°			
4.55	J	N	Juncti		9					Unknown Connection			
5.33	J	N	Juncti	ion	9					Unknown Connection			
			Section Co Beyond a										
6.00	ΒA	CF	conce							Beyond Area of Concer	'n		
TOTAL LE	NGTH	ı STRU	JCTURAL (ONDITIO	ON GRAD	E:-					Α		
B = Cracks and/ or and >10% for clay	fracture / concre nsound v	es observed te pipes.)	ge evident. Slight of I but pipe provides ient arching suppo	sufficient arch	ing support (e.g	-	-	provide i	nsufficie	ent arching support when deformation is >20% of	the diameter		
		-	_	normal	househol	d flo	ws to th	e sev	ver s	ystem, i.e.	No		
recurrenc			•										
							No						
			storm wat							No			
			future roo	t growth	likely to	lead	to cont	inuin	g blo	ockages?	No		
Has a leak											N/A		
Do defects make the drain unserviceable?						NO							

F	Dia mm	Water		/laterial:	С	lay	Resp	onsibility:	Insu	Insured		
		Depth 1250 mm:		TO: SWG		SWG	-		N/A	Direction:	U/St	ream
Ca	40	Defe		Clock ref		Continuous		0/	Comments			
Co	ae	Deie	ect.	S	F	defe	ct	76		Comme	nts	
N	IH									MH2		
V	/L	Water	level					0				
R	F	Roots,	Fine									
OJ	М	Open joint,	Medium									
N	IC								Material changes from Clay to PVC			PVC
G'	ΥF		•							Enters S\	NG	
und witl fracture concre	n no leak es observ te pipes.)	age evident. Slight o	racks/ defect pe s sufficient archir	rmitted g support (e.g. plasti	•	provide i	insufficio	ent arching	support when deformatio	n is >20% of th	A e diamete
	_	•	normal h	ouseh	old fl	ows to th	ie sev	wer s	ystem	, i.e.	١	No
						1	No					
							, •	•				No.
					to lea	d to cont	inuin	g blo	ckage	ıs?		No.
las a leakage test failed?							<i>5</i> ~	N/A				
	M G M G M M M M M M M M M M M M M M M M	MH2 Code MH WL RF OJM MC GYF NGTH STR und with no leak fractures observ concrete pipes, sound with insuf iTY: In failing to e of block ridence of termitten ig roots o	MH2 Depth mm: Code Start of s MH Manh WL Water RF Roots, OJM Open joint, Materi drain/sewer Section co GYF Gull NGTH STRUCTURAL (und with no leakage evident. Slight of fractures observed but pipe provider (concrete pipes.) sound with insufficient arching support iTY: In failing to discharge e of blockages? ridence of leakage oct termittent storm wait ag roots or future root	MH2 Depth 1250 mm: Code Defect Start of survey, MH Manhole WL Water level RF Roots, Fine OJM Open joint, Medium Material of drain/sewer changes Section complete, Gully NGTH STRUCTURAL CONDITIO und with no leakage evident. Slight cracks/ defect perfractures observed but pipe provides sufficient archin/concrete pipes.) sound with insufficient arching support, or large holes ITY: In failing to discharge normal here of blockages? ridence of leakage occurring (intermittent storm water flooding roots or future root growth	mm: MH2 Depth 1250 TO: mm:	MH2 Depth 1250 TO: mm: Code Defect S F Start of survey, MH Manhole WL Water level RF Roots, Fine OJM Open joint, Medium Material of MC drain/sewer changes Section complete, GYF Gully NGTH STRUCTURAL CONDITION GRADE:- und with no leakage evident. Slight cracks/ defect permitted fractures observed but pipe provides sufficient arching support (e.g. plastic concrete pipes.) sound with insufficient arching support, or large holes. Total collapse/ block ITY: In failing to discharge normal household floor in the of blockages? Indence of leakage occurring (infiltration of termittent storm water flooding? In groots or future root growth likely to leak	MH2 Depth 1250 TO: SWG Mm: Clock ref Start of survey, MH Manhole WL Water level RF Roots, Fine OJM Open joint, Medium Material of drain/sewer changes Section complete, GYF Gully NGTH STRUCTURAL CONDITION GRADE:- und with no leakage evident. Slight cracks/ defect permitted fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre concrete pipes.) sound with insufficient arching support, or large holes. Total collapse/ blockage likely. ITY: In failing to discharge normal household flows to the of blockages? Itidence of leakage occurring (infiltration or exfiltrate termittent storm water flooding? It groots or future root growth likely to lead to contents.	MH2 Depth 1250 TO: SWG Depth mm: Code Defect Clock ref Continuous defect Start of survey, MH Manhole WL Water level RF Roots, Fine OJM Open joint, Medium Material of MC drain/sewer changes Section complete, GYF Gully NGTH STRUCTURAL CONDITION GRADE:- und with no leakage evident. Slight cracks/ defect permitted fractures observed but pipe provides sufficient arching support (e.g. plastics or pitch-fibre provide rooncrete pipes.) sound with insufficient arching support, or large holes. Total collapse/ blockage likely. ITY: In failing to discharge normal household flows to the several place of leakage occurring (infiltration or exfiltration) in termittent storm water flooding? Intermittent storm water flooding? Intermittent storm water flooding? Intermittent storm water flooding?	MH2 Depth 1250 TO: SWG Depth mm: Mater Mater MH2 Depth mm: Mater M	MH2 Depth 1250 TO: SWG Depth N/A mm: Clock ref Continuous defect S F defect S S F defect S S S S S S S S S	MH2 Depth 1250 TO: SWG Depth N/A Direction: mm: Clock ref Continuous defect S F Continuous defect MH2 Manhole MH2 Manhole MH2 Material of MC drain/sewer changes Material changes from Section complete, GYF Gully Enters SV Section complete GYF Gully Enters SV Section divide sufficient arching support, or large holes. Total collapse/ blockage likely. In failing to discharge normal household flows to the sewer system, i.e. e of blockages? Indence of leakage occurring (infiltration or exfiltration)? termittent storm water flooding? Ig roots or future root growth likely to lead to continuing blockages?	MH2 Depth 1250 TO: SWG Depth N/A Direction: U/St mm: Clock ref S F Continuous defect MH2 M

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RUN:	G	Dia mm	100	Duty:	Foul Wa	ater	Material:	С	lay	Resp	onsibility:	Insu	ired
FROM:	N	1H2	Depth mm:	1250	TO:		SA	Dep		N/A	Direction:	U/St	ream
Motorago	Co	de	Defe	act	Cloc	k ref	Continu	ıous	%		Comme	ntc	
Meterage	Cu	ue	Den	ec.	S	F	defe	ct	/0		Comme	1115	
0.00	N	1H	Start of s Manh	• •							MH2		
0.00		/L	Water						0				
0.02		R	Line of dra deviate	in/sewer							30°		
1.52	L	R	Line of dra deviate	•							45°		
2.07	L	U	Line of dra deviate	•							90°		
2.07	S	A	Survey aba	andoned						Surv	ey abandoned due the lin		ions in
TOTAL LE	NGTI	1 STR	UCTURAL	CONDITIC	N GRA	\DE:-				•			Α
B = Cracks and/ or and >10% for clay,	fracture concressound v	es observ te pipes.)		s sufficient archir	ng support (٠.	·	provide i	insufficie	ent arching	support when deformatio	n is >20% of th	e diamete
Is the drai		_	o discharge ages?	normal h	ouseh	old f	lows to th	e sev	ver s	ystem	ı, i.e.	ſ	No
			leakage od	curring (i	nfiltrat	tion c	or exfiltrat	ion)?	?			ſ	No
			t storm wa									ſ	No
			r future roo			to lea	ad to cont	inuin	g blo	ckage	es?	ſ	No
Has a leak				_ J								N	I/A

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RUN:	Н	Dia mm	100 1:	Duty:	Surfac Wate	•	Material:	C	lay	Resp	onsibility:	Insu	red
FROM:	N	1H2	Depth mm:	1250	TO:	•	RWP	Dep mm		N/A	Direction:	U/Str	eam
Motorogo	C -	٦.	Defe		Cloc	k ref	Continu	uous	%				
Meterage	Co	de	Dete	ect	S	F	defe	ct	%		Comme	nts	
0.00	N	IH	Start of s Manh	• •							MH2		
0.00	V	/L	Water	level					0				
1.14	JD	М	Joint disp Medi	,									
1.26	L	R	Line of dra deviates								90°		
1.26	RW	/PF	Section co Rain water o	'							Enters R\	WP	
A = Structurally so B = Cracks and/ or and >10% for clay,	und with fracture concress sound w	n no leak es observ te pipes.)		racks/ defect pe sufficient archin	rmitted ng support (e.g. plasti	·	provide i	insufficio	ent arching	support when deformation	n is >20% of the	A diameter
Is the drai		_	o discharge ages?	normal h	ouseh	old fl	ows to th	ie sev	wer s	ystem	, i.e.	N	lo
			leakage oc	curring (i	nfiltrat	tion o	r exfiltrat	tion) î	?			N	lo
			t storm wa					,				N	lo
			r future roc			to lea	d to cont	inuin	g blo	ckage	:s?	N	lo
Has a leak										J -		N	/A

GULLY I	NSPECTION:	S					
ID	Duty	Material		Cover		Structural	Comments
			Shape	Size	Type	Condition	
				(mm)		Grade	
Gully 1	Surface	Clay	Rectangular	170	Metal	Α	No defects detected
	Water						
SWG	Surface	Clay	Rectangular	170	Metal	Α	No defects detected
	Water						

MANHO	DLE INSPECTI	ONS:					
ID	Duty	Material		Cover		Invert	Comments
			Тур	e	Size (mm)	(mm)	
MH1	Combined	Brick	Recessed	Heavy Duty	650 x 450	830	No defects detected.
MH2	Combined	Brick	Metal	Heavy Duty	650 x 450	1250	No defects detected

GRADE

Conclusions/ Recommendations

serviceable.

RUN/LOCATION

RUN A

Following an instruction from Subsidence Management Services we have carried out a subsidence site investigation CCTV survey of the drainage system as per the previous GEO Technical report.

All runs were cleaned by high pressure water jetting prior to the CCTV survey.

CONCLUSIONS/RECOMMENDATIONS

The following presents a summary of the findings with recommendations to repair and/ or return the drains to a serviceable state, where necessary.

Structural damage was observed within this drainage run and it was assessed to be

(MH1 U/S Beyond Area of Concern)	This drainage run is a private drain and therefore the property owner has responsibility for its maintenance and repair.	Α
	No repairs required as line is in a serviceable condition at this time	
	Structural damage was observed within this drainage run and it was assessed to be serviceable.	
RUN B (MH1 U/S SVP)	This drainage run is a private drain and therefore the property owner has responsibility for its maintenance and repair.	A
	No repairs required as line is in a serviceable condition at this time	
RUN C	Structural damage was observed within this drainage run and it was assessed to be serviceable.	
(MH1 U/S Gully 1)	This drainage run is a private drain and therefore the property owner has responsibility for its maintenance and repair.	Α
	No repairs required as line is in a serviceable condition at this time	
	Structural damage was observed within this drainage run and it was assessed to be serviceable.	
RUN D (<i>MH1 U/S MH2</i>)	This drainage run is a private drain and therefore the property owner has responsibility for its maintenance and repair.	A
	No repairs required as line is in a serviceable condition at this time	
RUN E	Structural damage was observed within this drainage run and it was assessed to be serviceable.	
(MH2 U/S Beyond Area of Concern)	This drainage run is a private drain and therefore the property owner has responsibility for its maintenance and repair.	Α
	No repairs required as line is in a serviceable condition at this time	
	Structural damage was observed within this drainage run and it was assessed to be serviceable.	
RUN F (MH2 U/S SWG)	This drainage run is a private drain and therefore the property owner has responsibility for its maintenance and repair.	А
	No repairs required as line is in a serviceable condition at this time	

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	Structural damage was observed within this drainage run and it was assessed to be serviceable.	
RUN G (<i>MH2 U/S SA</i>)	This drainage run is a private drain and therefore the property owner has responsibility for its maintenance and repair.	Α
	No repairs required as line is in a serviceable condition at this time	
	Structural damage was observed within this drainage run and it was assessed to be serviceable.	
RUN H (<i>MH2 U/S RWP</i>)	This drainage run is a private drain and therefore the property owner has responsibility for its maintenance and repair.	Α
	No repairs required as line is in a serviceable condition at this time	

Updated report 30th June 2015

Further to updated instructions we re-attended to site to investigate the drainage in the area of damage again. The question related to Run D, which had been previously investigated at the last visit. Please see below second investigation on this line:

	D	Dia mm:	100	Duty:	Foul Wa	iter	Material:	(Clay	Res	ponsibility:	Insured
FROM:	N	/Н1	Depth mm:	830	TO:	,	MH2	Dep mm		N/A	Direction:	U/Stream
Motorogo	Ca	ode	Defe	oct.	Cloc	k re	f Continu	uous	%		Comments	
Meterage		ue	Dele	::::	S	F	defe	ct	70		Comme	iits
			Start of s	-								
0.00		1H	Manh								MH1	
0.00	-	VL	Water						0			
3.10		RF	Roots,						10			
6.80	V	VL	Water Section co						10			
			360000000	mmere.								
6.80	М	HF		•							Enters M	H2
6.80			Manh UCTURAL (ole	ON GRA	NDE:	<u> </u> -				Enters M	H2 B
TOTAL LEI A = Structurally so B = Cracks and/ or and >10% for clay	NGTH ound with r fracture r/ concre nsound v	H STRI th no leaka es observe te pipes.)	Manh UCTURAL (ge evident. Slight o	Ole CONDITION CO	permitted ning support (e.g. pla	stics or pitch-fibre	provide i	nsufficient	arching s	Enters M upport when deformation	В
TOTAL LEI A = Structurally sc B = Cracks and/ or and >10% for clay C = Structurally ur DRAIN SERVICABI Is the drai	NGTh pund with r fracture r/ concre nsound v	H STRU th no leaka es observe te pipes.) with insuffi	Manh UCTURAL (ge evident. Slight of d but pipe provides icident arching support	Ole CONDITION CONDITION Cracks/ defect prescription control or surficient archeology ort, or large hole	permitted ning support (les. Total coll	e.g. pla apse/ b	stics or pitch-fibre plockage likely.				upport when deformation	В
TOTAL LEI A = Structurally sc B = Cracks and/or and >10% for clay C = Structurally ur DRAIN SERVICABI Is the drai recurrence	NGThound with refracture refractu	H STRI th no leaka es observe the pipes.) with insuffi	Manh UCTURAL (ge evident. Slight of d but pipe provides icident arching support) O discharge ages?	Ole CONDITION Pracks/ defect property of the sufficient architect, or large hole normal	permitted ning support (les. Total coll househ	e.g. pla apse/ b	stics or pitch-fibre olockage likely. flows to th	e sev	ver sy		upport when deformation	B is >20% of the diamete
TOTAL LEI A = Structurally sc B = Cracks and/ or and >10% for clay C = Structurally ur DRAIN SERVICABI Is the drai recurrenc Is there ev	NGTH ound with r fracture // concre nsound v	H STRI th no leaka, es observe the pipes.) with insuffi	Manh UCTURAL (ge evident. Slight of d but pipe provides icient arching suppo	Ole CONDITION racks/ defect properties sufficient archort, or large hole normal curring (permitted hing support (les. Total coll househ (infiltrat	e.g. pla apse/ b	stics or pitch-fibre olockage likely. flows to th	e sev	ver sy		upport when deformation	B is >20% of the diamete
TOTAL LEI A = Structurally sc B = Cracks and/ or and >10% for clay, C = Structurally ur DRAIN SERVICABI Is the drai recurrenc Is there ev Is there in	NGTH bund with r fracturery/concre nsound v LLITY: in fai e of I viden	H STRI th no leaka eso observe the pipes.) with insuffi	Manh UCTURAL (ge evident. Slight of d but pipe provides icient arching support of discharge ages? Leakage oct storm wat	Ole CONDITION Tracks/ defect prisufficient arch ont, or large hole normal curring (ter flood	permitted ning support (les. Total coll househ (infiltrat ling?	e.g. pla apse/ b	stics or pitch-fibre plockage likely. flows to th or exfiltrat	e sev	ver sy	stem,	upport when deformation	NO NO NO
TOTAL LEI A = Structurally sc B = Cracks and/ or and >10% for clay, C = Structurally ur DRAIN SERVICABI Is the drai recurrenc Is there ev Is there in	NGThound with refracture of concrensound villery: in faire of levider of termination of the concrene of the co	H STRI th no leaka eso observe te pipes.) with insuffi ling to blocka nce of nittent	Manh UCTURAL (ge evident. Slight of d but pipe provides icient arching support of discharge ages? leakage oct storm waft future root	Ole CONDITION Tracks/ defect prisufficient arch ont, or large hole normal curring (ter flood	permitted ning support (les. Total coll househ (infiltrat ling?	e.g. pla apse/ b	stics or pitch-fibre plockage likely. flows to th or exfiltrat	e sev	ver sy	stem,	upport when deformation	is >20% of the diameter NO NO

	Structural damage was observed within this drainage run and it was assessed to be serviceable.	
RUN D (<i>MH1 U/S MH2</i>)	This drainage run is a private drain and therefore the property owner has responsibility for its maintenance and repair.	Α
	A1. Carry out specialist root cutting. A2. Install 1 no. (one) Cured-In-Place Repair (CIPR) upstream from the manhole (MH 1) at 3.10m to seal.	

RUN/ LOCATION: RUN D							
Repair	Description	Unit	Rate	Quantity	Amount		
item			(£)		(£)		
UK0561	Mechanical Root Cutting	m	£4.35	4.00	£17.39		
UK0025	Protection Temporary works to floors, 1000 gauge polythene.	m2	£1.79	1.00	£1.79		
UK1133	Van pack HPWJ & CCTV in preparation of lining	nr	£148.44	1.00	£148.44		
UK1180	Patch Lining. Up to 2 m x 100mm diameter	nr	£290.94	1.00	£290.94		
				TOTAL			
				(Excl VAT)	£458.56		

REPAIR ESTIMATE TOTALS:	
Run/ Location	Amount (£)
Run D	£458.56
TOTAL (EXCL VAT)	£458.56