SubsNetuk

Drainage Investigation Report

For Subsidence Management Services

Client Maria Templeton

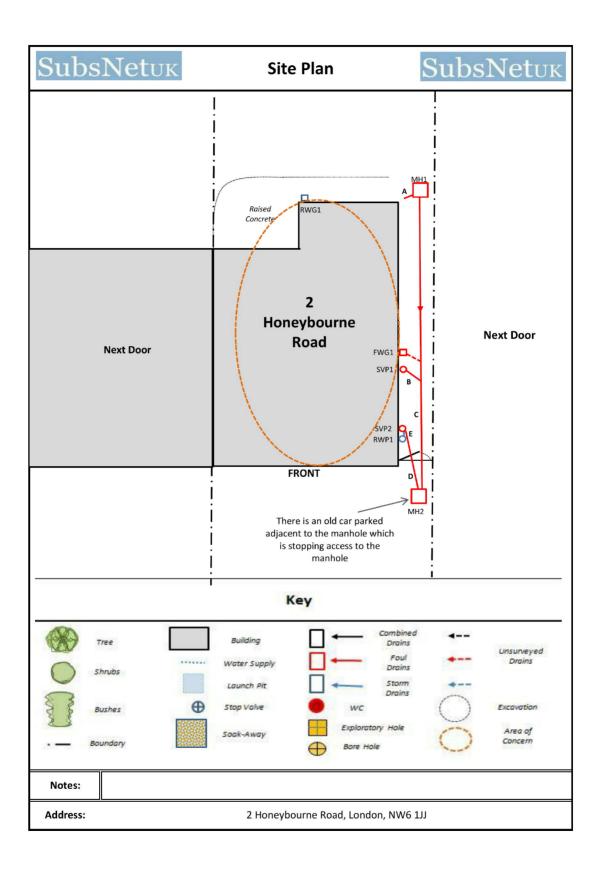
Risk Address: 2 Honeybourne Road, London, NW6 1JJ

Visit Date: 25th January 2019

Report Date: 7th February 2019

Report Content: Front Page

Site Plan CCTV Coding Drain Overview Photographs Quote



Subs	Netuk	(CCTV Surve	У	SubsN	etuk
RUN	Start From :	MH1	Finish at :	Upstream node	Pipe Ø:	100mm
Α	Invert Level (m):	0.65	Invert Level (m):	N/a	Material:	Cast Iron
	Condition grade:	Α	Direction:	Upstream	Responsibility:	Home Own
Distance	Code		Hyd	raulic Test - Not Te	sted	
0.00	SN	Start Node from I	MH1			
0.00	WL	Water Level 0%				
1.05	REM	Remark - Drain Ca	apped Off			
1.05	FN	Finish Node at Ca	pped off Drain			
RUN	Start From :	SVP1	Finish at :	Carrier	Pipe Ø:	100mm
В	Invert Level (m):	N/a	Invert Level (m):	N/a	Material:	Clay
FOUL	Condition grade:	В	Direction:	Downstream	Responsibility:	Home Own
Distance	Code		Hyd	raulic Test - Not Te	sted	
0.00	SN	Start Node from S	SVP1			
0.00	WL	Water Level 0%				
0.20	JDM	Joint Displaced (N	/ledium)			
0.35	JDM	Joint Displaced (N	/ledium)			
0.35	MC		changes at this poir	nt to Cast Iron		
0.45	FN	Finish Node at Ca				
RUN	Start From :	Run B	Finish at :	MH2	Pipe Ø:	100mm
С	Invert Level (m):	N/a	Invert Level (m):	N/a	Material:	Cast Iron
FOUL	Condition grade:	A	Direction:	Downstream	Responsibility:	Home Own
Distance	Code		Hyd	raulic Test - Not Te		
0.00	SN	Start Node from J	unction at end of R	un B		
0.00	WL	Water Level 5%				
0.65	DEG	Attached Deposit	S			
0.65	REM	Remark - Loss of V	arri tan			
1.90	REM	Remark - Vision R				
2.25	DEG	Attached Deposit				
2.25	WL	Water Level 10%				
2.95	DEG	Attached Deposit	S			
3.45	DEG	Attached Deposit				
3.45	WL	Water Level 15%				
3.90	DEG	Attached Deposit	S			
3.90	REM	Remark - Loss of				
4.20	REM	Remark - Vision R				
4.20	WL	Water Level 0%				
6.00	DEG	Attached Deposit	S			
8.85	FN	Finish Node at MI	1.00%			
8.85	REM	Remark - Outlet o	I was a stranger of the strang			

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RUN	Start From :	SVP2	Finish at :	MH2	Pipe Ø:	100mm
D	Invert Level (m):	N/a	Invert Level (m):	N/a	Material:	Plastic
COMBINED	Condition grade:	В	Direction:	Downstream	Responsibility:	Home Owner
Distance	Code		Hydi	raulic Test - Not Te	ested	
0.00	SN	Start Node from S	SVP2			
0.00	WL	Water Level 0%				
0.00	REM	Remark - Vertical	ly Down			
0.10	MC	Material of drain	changes at this poin	t to Clay		
0.20	JN	Junction - RWP1				
0.40	R	Roots				
0.50	REM	Remark - At Rest	bend			
0.85	JDM	Joint Displaced (N				
2.50	JDM	Joint Displaced (N				
2.50	LD	Line of drain devi	*			
3.70	LD	Line of drain devi				
3.70	LL	Line of drain devi				
3.95	FN	Finish Node at MI				
RUN	Start From :	RWP1	Finish at :	Run D	Pipe Ø:	100mm
E	Invert Level (m):	N/a	Invert Level (m):	N/a	Material:	Plastic
STORM	Condition grade:	A	Direction:	Downstream	Responsibility:	
Distance	Code	Α		raulic Test - Not Te		Home Owner
0.00	SN	Start Node from F		dane rese mot re	stea	
0.00	WL	Water Level 0%	1001 1			
0.15	MC		changes at this poin	t to Clay		
0.30	REM	Remark - At Rest		t to clay		
0.45	FN	Finish Node at Ru				
Address:		2.1	Honeybourne Road	London NWS	111	



Drainage Overview



Following the receipt of your instruction, we attended site to carry out a CCTV survey.

The CCTV survey was undertaken in general accordance with the Manual of Sewer Classification and the WRc Drain Repair Book.

We carried out high pressure water jetting prior to the CCTV survey on the accessible drains but found the drain downstream of MH1 to be heavily blocked with silt/debris. There is an old car that is parked over MH2 so we were unable to clear this section of the drain. The drain may be redundant from MH1 down to the junctions from SVP1/FWG1.

FWG1 could not be access as it is recessed down approx 0.4m below ground level.

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

Drain Run A: MH1 to Upstream Node

Pipe Diameter: 100mm **Responsibility**: Home Owner

Hydraulic Pressure Test: Not Tested CCTV Survey Result: No Structural Damage

Recommended Repair:

No repairs have been recommended as the drain line was found to be redundant.

Drain Run B: SVP1 Downstream to Carrier

Pipe Diameter: 100mm **Responsibility**: Home Owner

Hydraulic Pressure Test: Not Tested - No access **CCTV Survey Result**: Structural Damage

Recommended Repair:

To excavate and replace existing Rest bend at base of SVP1 including pipework to carrier.

Replace a section of upstream pipework on the carrier to junction from FWG1. Survey up the junctiontowards FWG1 and report on findings. See Notes

Drain Run C: Run B Downstream to MH2

Pipe Diameter: 100mm **Responsibility**: Home Owner

Hydraulic Pressure Test: Not Tested - No access **CCTV Survey Result**: No Structural Damage

Recommended Repair:

No repairs have been recommended as the drain line was found to be free from defects.

Nb - We would recommend the drain is flushed through to clear debris within it by the policyholder.

Drain Run D: SVP2 Downstream to MH2

Pipe Diameter: 100mm **Responsibility**: Home Owner

Hydraulic Pressure Test: Not Tested - No access

CCTV Survey Result: Structural Damage

Recommended Repair:

To excavate and replace existing Rest bend at base of SVP2 including section of pipework and junction

rom RWP1.

Prepare the drain and flexi-line from our excavation down to MH2, approx 3m.

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Drainage Overview 2



Drain Run E: RWP1 Downstream to Run D

Pipe Diameter: 100mm **Responsibility**: Home Owner

Hydraulic Pressure Test: Not Tested - No access **CCTV Survey Result**: No Structural Damage

Recommended Repair:

No repairs have been recommended as the drain line was found to be free from defects.

NOTE: The re-instatement will be carried out on a like-for-like basis but where concrete or tarmac has been re-instated these surfaces will not match to the existing surface and will be seen as its new material.

Notes

The old car will need to be moved so we can have safe working access into MH2 to allow repairs to

We will carry out works during the repairs to Run B to clear the drain upstream of our excavation towards MH1 to allow a survey of this drain to be carried out.

If we find this is redundant we will replace the junction on the carrier from FWG1 with a bend to cap off the drain.

There was no connection into MH1 from RWG1. The gully is recessed down into the raised concrete at the rear of the property and could not be accessed.

RWG1 Recommendations

Excavate and replace the gully together with a section of pipework Survey from excavation and report on findings Nb.

		Result	Notes
Water Main Test	Water Meter	PASS	

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Quote

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RUN / LOCATION: RUN	В
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Repair Item	Description	Unit	Rate (£)	Quantity	Amount (£)
UK0650	Rest-bend. Remove existing and replace with new PVCu item. Bed, surround and backfill.	nr		1.00	
UK1120155	32/40mm waste pipes. Remove existing and replace with new PVCu. Fixed to masonry.	m		1.00	
UK1120165	32/40mm waste pipes. Shoes / bends.	nr		2.00	
UK0825	Excavate & remove pipework. Replace with new 110mm PVCu. Bed, surround & backfill. n.e. 1000mm	m		2.00	
UK0880	Short Radius Bend. Remove existing item and replace with new 110mm PVCu.	nr		2.00	
UK1060	Extra over pipework for surrounding drain run in 100mm thick concrete.	m		1.00	
UK0025	Protection Temporary works to floors, 1000 gauge polythene.	m2		4.00	
UK8120300	Hardcore Filling to excavations over 250 mm average thick.	m		1.00	
UK2050005	Disposal by hand excavated contaminated/saturated material off site.	m3		1.00	
UK0890	Junction. Remove existing item and replace with new 110mm PVCu.	nr		2.00	
UK1050	Removal, disposal and reinstatement of concrete path / hardstanding n.e 100mm thick.	m2		2.00	
UK0575	Excavate out silt/effluent from manhole.	nr		1.00	
UK0525	High Pressure Water Jetting - up to 1 hour on site.	hr		1.00	
				Total	

(Excl VAT)

RUN / LOCATION: RUN D

Repair Item	Description	Unit	Rate (£)	Quantity	Amount (£)
UK0650	Rest-bend. Remove existing and replace with new PVCu item. Bed, surround and backfill.	nr		1.00	
UK1120155	32/40mm waste pipes. Remove existing and replace with new PVCu. Fixed to masonry.	m		1.00	
UK1120165	32/40mm waste pipes. Shoes / bends.	nr		2.00	
UK0605	Excavate & remove isolated length. Replace in new 110mm PVCu. Bed, surround & backfill. n.e. 1000mm	nr		1.00	
UK0880	Short Radius Bend. Remove existing item and replace with new 110mm PVCu.	nr		2.00	
UK1060	Extra over pipework for surrounding drain run in 100mm thick concrete.	m		1.00	
UK0025	Protection Temporary works to floors, 1000 gauge polythene.	m2		4.00	
UK8120300	Hardcore Filling to excavations over 250 mm average thick.	m		1.00	
UK2050005	Disposal by hand excavated contaminated/saturated material off site.	m3		1.00	
UK0890	Junction. Remove existing item and replace with new 110mm PVCu.	nr		1.00	
UK1050	Removal, disposal and reinstatement of concrete path / hardstanding n.e 100mm thick.	m2		1.00	
UK1133	Van pack HPWJ & CCTV in preparation of lining	nr		1.00	
UK1135	Drain Lining - Initial Set-Up Fee (0-3.0m)	nr		1.00	
*	Extra-Over for flexi-Liner	nr		1.00	
				Total	
				(Excl VAT)	

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KUN / LOCA	ATION: RWG1 Recommendat	ions	- 16		1
Repair Item	Description	Unit	Rate (£)	Quantity	Amount (£
UK0010	Remove existing UPVC pipework in isolated lengths, refix with new 69mm UPVC pipework (incl. brackets).	nr		1.00	
UK0015	Extra over for bends.	nr		1.00	
UK0595	Gully, 225mm x 225mm. Remove existing and replace with new PVCu item. Bed, surround and backfill .	nr		1.00	
UK0605	Excavate & remove isolated length. Replace in new 110mm PVCu. Bed, surround & backfill. n.e. 1000mm	nr		1.00	
UK0880	Short Radius Bend. Remove existing item and replace with new 110mm PVCu.	nr		2.00	
UK1060	Extra over pipework for surrounding drain run in 100mm thick concrete.	m		1.00	
UK0025	Protection Temporary works to floors, 1000 gauge polythene.	m2		2.00	
UK8120300	Hardcore Filling to excavations over 250 mm average thick.	m		1.00	
UK2050005	Disposal by hand excavated contaminated/saturated material off site.	m3		1.00	
UK1050	Removal, disposal and reinstatement of concrete path / hardstanding n.e 100mm thick.	m2		2.00	
	CCTV survey of underground drainage & report (where undertaken as part of other drainage works on	nr		1.00	
				Total	
				(Excl VAT)	
	MATE TOTALS:			1	
Run / Locatio	OCO SECTION SELECTION SELE				
Run / Locatio RUN B	OCO SECTION SELECTION SELE				
Run / Locatio	n				

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