SubsNetuk

Drainage Investigation Report

For Subsidence Management Services

Client Mr G Hardy

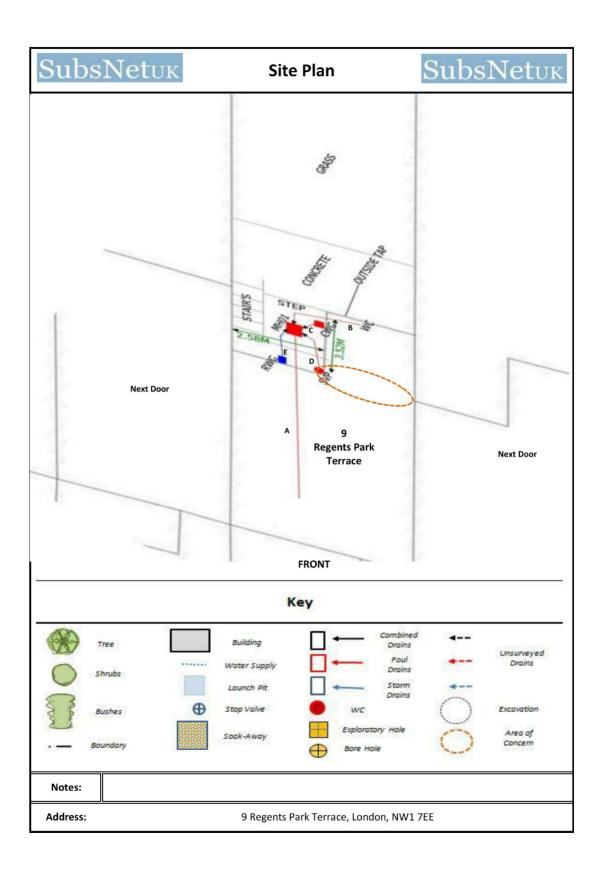
Risk Address: 9 Regents Park Terrace, London, NW1 7EE

Visit Date: 7th January 2019

Report Date: 30th January 2019

Report Content: Front Page

Site Plan CCTV Coding Drain Overview Quote



RUN	Start From :	MH1	Finish at :	Downstream Node	Pipe Ø:	150mm			
A	Invert Level (m):	0.78	Invert Level (m):	N/a	Material:	Clay			
FOUL	Condition grade:	0.78 A	Direction:	Downstream	Responsibility:	Home Owne			
Distance	Code	A				nome Owne			
0.00	SN	Hydraulic Test - Not Tested							
0.00	WL	Start Node from MH1 Water Level 5%							
6.00	FN								
		·	inish Node - Beyond Area of Concern						
RUN	Start From :	MH1	Finish at :	WC	Pipe Ø:	100mm			
В	Invert Level (m):	0.78	Invert Level (m):	N/a	Material:	Clay			
FOUL	Condition grade:	В	B Direction: Upstream Responsibility: Home Owne						
Distance	Code			<mark>raulic Test - Not Te</mark> s	sted				
0.00	SN	Start Node from N	ЛН1						
0.00	WL	Water Level 5%							
0.00	LR	Line of drain devia							
0.85	FC	Fracture Circumfe	rential						
0.85	R	Roots							
1.85	FC	Fracture Circumfe	rential						
2.00	JDL	Joint Displaced (La	arge)						
2.25	LR	Line of drain devia	ates right °						
2.90	FC	Fracture Circumfe	rential						
3.20	CC	Crack Circumferer	Crack Circumferential						
3.60	LU	Line of drain devia	Line of drain deviates up °						
4.10	FN	Finish Node at Wo	2						
RUN	Start From :	MH1	Finish at :	CWG	Pipe Ø:	100mm			
С	Invert Level (m):	0.78	Invert Level (m):	N/a	Material:	Clay			
FOUL	Condition grade:	В							
Distance	Code			Hydraulic Test - Fai	l .				
0.00	SN	Start Node from N	Л Н1						
0.00	WL	Water Level 5%							
0.00	LU	Line of drain devia	ates up °						
0.55	OJM	Open Joint (medic	ım)						
0.55	MC	Material of drain	changes at this poir	nt to Plastic					
0.75	FN	Material of drain changes at this point to Plastic Finish Node at CWG							
RUN	Start From :	MH1	Finish at :	SVP	Pipe Ø:	100mm			
D	Invert Level (m):	0.78	Invert Level (m):	N/a	Material:	Clay			
U	Condition grade:	В	Direction:	Upstream	Responsibility:	Home Owne			
FOUL	Code		Hydraulic Test - Fail						
		Start Node from MH1							
FOUL	SN								
FOUL Distance	SN WL	Water Level 5%		Line of drain deviates right °					
FOUL Distance 0.00		Water Level 5%	ates right °						
FOUL Distance 0.00 0.00 0.55	WL LR	Water Level 5% Line of drain devia							
FOUL Distance 0.00 0.00 0.55 0.65	WL LR FC	Water Level 5% Line of drain devia Fracture Circumfe	rential						
FOUL Distance 0.00 0.00 0.55 0.65 1.75	WL LR FC FC	Water Level 5% Line of drain devia Fracture Circumfe Fracture Circumfe	rential rential						
FOUL Distance 0.00 0.00 0.55 0.65 1.75 1.75	WL LR FC FC JDM	Water Level 5% Line of drain devia Fracture Circumfe Fracture Circumfe Joint Displaced (M	rential rential ledium)						
FOUL Distance 0.00 0.00 0.55 0.65 1.75 1.75 2.15	WL LR FC FC JDM LU	Water Level 5% Line of drain devia Fracture Circumfe Fracture Circumfe Joint Displaced (M Line of drain devia	rential rential ledium) ates up °						
FOUL Distance 0.00 0.00 0.55 0.65 1.75 1.75	WL LR FC FC JDM	Water Level 5% Line of drain devia Fracture Circumfe Fracture Circumfe Joint Displaced (M	rential rential ledium) ates up °						

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RUN	Start From :	MH1	Finish at :	RWG	Pipe Ø:	100mm
E	Invert Level (m):	0.78	Invert Level (m):	N/a	Material:	Clay
STORM	Condition grade:	В	Direction:	Upstream	Responsibility:	
Distance	Code		A STATE OF THE STA	lydraulic Test - Fa		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
0.00	SN	Start Node from N		,		
0.00	WL	Water Level 5%				
0.50		Line of drain devia	ates right °			
0.80		Crack Circumferer				
1.90	CC	Crack Circumferer				
2.00	LU	ine of drain deviates up °				
2.15	FN		inish Node at RWG			
Address:		9 Re	gents Park Terrac	e, London, NW1	7EE	



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.

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

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 Downstream Node Point

Pipe Diameter: 150mm **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 free from defects.

Drain Run B: MH1 Upstream to WC

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

Hydraulic Pressure Test: Not Tested **CCTV Survey Result**: Structural Damage

Recommended Repair:

To prepare the drain line and insert 4.1m of flexi-liner upstream from MH1.

Drain Run C: MH1 Upstream to CWG

Pipe Diameter: 100mm Responsibility: Home Owner Hydraulic Pressure Test: FAIL

CCTV Survey Result: Structural Damage

Recommended Repair:

To excavate and replace existing gully including 1m of adjacent pipework.

Drain Run D: MH1 Upstream to SVP

Pipe Diameter: 100mm Responsibility: Home Owner Hydraulic Pressure Test: Not Tested CCTV Survey Result: Structural Damage

Recommended Repair:

To prepare the drain line and insert 2.5m of flexi-liner upstream from MH1

Drain Run E: MH1 Upstream to RWG

Pipe Diameter: 100mm Responsibility: Home Owner Hydraulic Pressure Test: Not Tested CCTV Survey Result: Structural Damage

Recommended Repair:

To prepare the drain line and insert 2.15m of flexi-liner upstream from MH1

Address:

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Water Main Test	Water Meter	Result	Notes
		PASS	
NOTE: The re-instatement will	be carried out on a like-for-like ba	sis but where co	ncrete or tarmac has
been re-instated these surfaces	s will not match to the existing sur	face and will be	seen as its new
material.			

9 Regents Park Terrace, London, NW1 7EE

Address:



Quote



IRUN /	LOCATION:	RUN B
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Repair Item	Description	Unit		
UK1133	Van pack HPWJ & CCTV in preparation of lining	nr		
UK1135	Drain Lining - Initial Set-Up Fee (0-3.0m)	nr		
UK1140	Drain Lining - 100mm. Install Structural liner into existing 100mm underground drain. 3mm Wall	m		
*	Extra-Over for flexi-Liner	nr		

RUN / LOCATION: RUN C

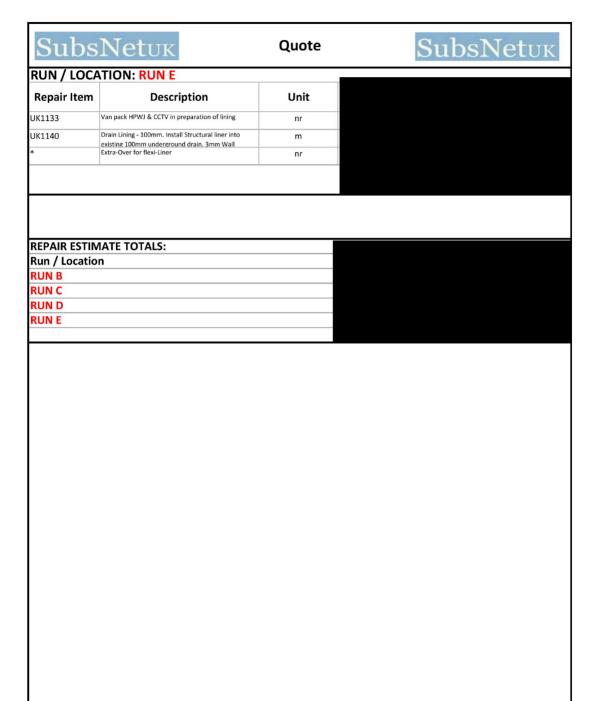
Repair Item	Description	Unit
UK0010	Remove existing UPVC pipework in isolated lengths, refix with new 69mm UPVC pipework (incl. brackets).	nr
UK0015	Extra over for bends.	nr
UK1120155	32/40mm waste pipes. Remove existing and replace with new PVCu. Fixed to masonry.	m
UK1120165	32/40mm waste pipes. Shoes / bends.	nr
UK0595	Gully, 225mm x 225mm. Remove existing and replace with new PVCu item. Bed, surround and backfill .	nr
UK0605	Excavate & remove isolated length. Replace in new 110mm PVCu. Bed, surround & backfill. n.e. 1000mm	nr
UK0880	Short Radius Bend. Remove existing item and replace with new 110mm PVCu.	nr
UK1060	Extra over pipework for surrounding drain run in 100mm thick concrete.	m
UK0025	Protection Temporary works to floors, 1000 gauge polythene.	m2
UK8120300	Hardcore Filling to excavations over 250 mm average thick.	m
UK2050005	Disposal by hand excavated contaminated/saturated material off site.	m3
UK1050	Removal, disposal and reinstatement of concrete path / hardstanding n.e 100mm thick.	m2

RUN / LOCATION: RUN D

Description	Unit
Van pack HPWJ & CCTV in preparation of lining	nr
Drain Lining - 100mm. Install Structural liner into existing 100mm underground drain. 3mm Wall	m
Extra-Over for flexi-Liner	nr
	Van pack HPWJ & CCTV in preparation of lining Drain Lining - 100mm. Install Structural liner into existing 100mm underground drain. 3mm Wall

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