SubsNetuk

Drainage Investigation Report

For Subsidence Management Services

Client Mr G Lindley

Risk Address: 36 Yeomead, Bristol, BS48 1JA

Visit Date: 18th November 2022

Client Reference: IFS-AVI-SUB-22-0101951

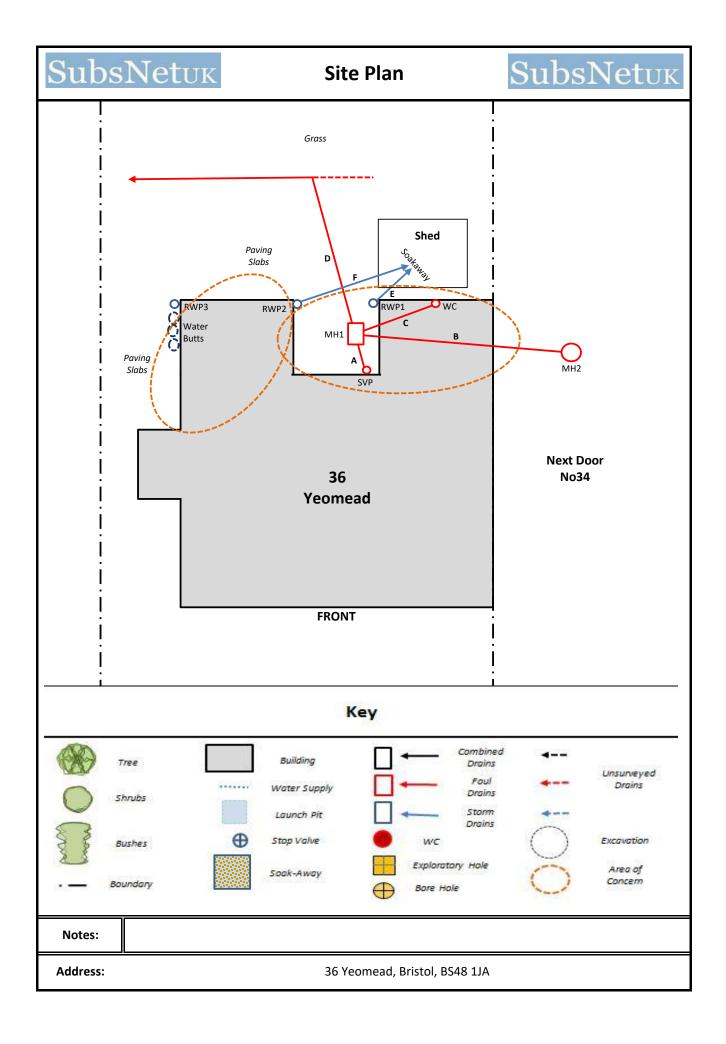
Our Reference: C67595 D23713

Report Date: 23rd November 2022

Report Content: Front Page

Site Plan CCTV Coding Drain Overview Photographs Quote

Further Report Site Plan CCTV Coding Photographs Quote



RUN A FOUL Distance 0.00 0.80 RUN B FOUL Distance 0.00 0.00	WL FN Start From: Invert Level (m): Condition grade: Code	MH1 0.2	MH1 Finish at:	SVP N/a Upstream aulic Test - Not Te	Pipe Ø: Material: Responsibility: sted	100mm Clay Home Own			
FOUL Distance 0.00 0.00 0.80 RUN B FOUL Distance 0.00	Condition grade: Code SN WL FN Start From: Invert Level (m): Condition grade: Code	Start Node from I Water Level 0% Finish node at SVI MH1 0.2	Direction: Hydr MH1 Finish at:	Upstream	Responsibility:	· ·			
Distance	SN WL FN Start From: Invert Level (m): Condition grade: Code	Start Node from I Water Level 0% Finish node at SV MH1 0.2	Hydr MH1 P Finish at :		• •	Home Own			
0.00 0.00 0.80 RUN B FOUL Distance 0.00	SN WL FN Start From: Invert Level (m): Condition grade: Code	Water Level 0% Finish node at SVI MH1 0.2	MH1 Finish at:	aulic Test - Not Te	sted				
0.00 0.80 RUN B FOUL Distance 0.00	WL FN Start From: Invert Level (m): Condition grade: Code	Water Level 0% Finish node at SVI MH1 0.2	Finish at :						
0.80 RUN B FOUL Distance 0.00	FN Start From: Invert Level (m): Condition grade: Code	Finish node at SV MH1 0.2	Finish at :						
RUN B FOUL Distance 0.00	Start From : Invert Level (m): Condition grade: Code	MH1 0.2	Finish at :						
B FOUL Distance	Invert Level (m): Condition grade: Code	0.2		Finish node at SVP					
FOUL Distance 0.00	Condition grade:			MH2	Pipe Ø:	100mm			
Distance 0.00	Code		Invert Level (m):	N/a	Material:	Clay			
0.00		Α	Direction:	Upstream	Responsibility:	Local Autho			
	T		Н	ydraulic Test - Pas	S				
0.00	SN	Start Node from MH1							
	WL	Water Level 0%							
11.30	FN	Finish node at MH2							
RUN	Start From :	MH1	Finish at :	WC	Pipe Ø:	100mm			
С	Invert Level (m):	0.2	Invert Level (m):	N/a	Material:	Clay			
FOUL	Condition grade:	В	Direction:	Upstream	Responsibility:	Home Own			
Distance	Code		ŀ	lydraulic Test - Fai					
0.00	SN	Start Node from MH1							
0.00	WL	Water Level 0%							
0.20	JDM	Joint Displaced (Medium)							
0.40		Joint Displaced (Medium)							
2.40		Finish Node at WC							
RUN	Start From :	MH1	_	Downstream Node	Pipe Ø:	100mm			
D	Invert Level (m):	0.2	Invert Level (m):	N/a	Material:	Clay			
FOUL	Condition grade:	B	Direction:	Downstream					
Distance	Code	B Direction: Downstream Responsibility: Local Author Hydraulic Test - Not Tested							
0.00		Start Node from MH1							
0.00	• • • •	Water Level 0%							
0.15	CC	Crack Circumferential							
6.00		Finish Node - Beyond Area of Concern							
RUN	Start From :	RWP1	Finish at :	Soakaway	Pipe Ø:	100mm			
E	Invert Level (m):	N/a	Invert Level (m):	N/a	Material:	Clay			
STORM	Condition grade:		Direction:	Downstream	Responsibility:	Home Own			
Distance	Code	Α			· · ·	Home Own			
0.00		Hydraulic Test - Not Tested Start Node from RWP1							
0.00	WL	Water Level 0%							
1.60		Finish node at Soakaway							
			·	Caalianian	Dina di	100,,,,,,			
RUN	Start From :	RWP2	Finish at :	Soakaway	Pipe Ø:	100mm			
F STORM	Invert Level (m):	N/a	Invert Level (m): Direction:	N/a	Material: Responsibility:	Clay			
	Condition grade:	Α		Downstream	• •	Home Own			
Distance	Code	0	•	<mark>aulic Test - Not Te</mark>	stea				
0.00	SN	Start Node from I	KWP2						
0.00	WL	Water Level 0%							
1.60	FN	Finish node at So	akaway						



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.

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 Upstream to SVP

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 free from defects.

Drain Run B: MH1 Upstream to MH2

Pipe Diameter: 100mm Responsibility: LWA

Hydraulic Pressure Test: Pass

CCTV Survey Result: No structural damage

Recommended Repair:

No repairs have been recommended as the drain line is shared and is therefore a transferred asset.

The responsibility and maintenance of this drain falls with the Local Water Authority.

Drain Run C: MH1 Upstream to WC

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

CCTV Survey Result: Structural damage

Recommended Repair:

Prepare the drain and line from MH1 upstream to WC, approx 2.5m

Drain Run D: MH1 to Downstream

Pipe Diameter: 100mm Responsibility: LWA

Hydraulic Pressure Test: Not tested **CCTV Survey Result**: Structural damage

Recommended Repair:

No repairs have been recommended as the drain line is shared and is therefore a transferred asset.

The responsibility and maintenance of this drain falls with the Local Water Authority.

Drain Run E: RWP1 Downstream to Soakaway

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 free from defects.

Address:

36 Yeomead, Bristol, BS48 1JA



Drainage Overview 2



Drain Run F: RWP2 Downstream to Soakaway 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 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** RWP3 is discharging into a water butt - see photos Result Notes **Water Main Test PASS** Address: 36 Yeomead, Bristol, BS48 1JA

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Photographs

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Quote



RUN	/ LOCATION: Run	C
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Repair Item	Description	Unit	Rate (£)	Quantity	Amount (£)
UK1135	Drain Lining - Initial Set-Up Fee (0-3.0m)	nr	£332.64	1.00	£332.64
UK1133	Van pack HPWJ & CCTV in preparation of lining	nr	£148.44	1.00	£148.44

Total (Excl VAT) £481.08

Address:

Following your instruction we attended site on 5th September 2023 to carry out further investigations works. We had attended in December 2022 to complete the works to Run C.

We have been advised that there are Storm drains that have been missed off the original investigations.

We found there is a gully at the base of RWP3 and another downpipe close by. These are noted as Runs G&H in the updated report/site plan

We also noted there is a gully at the neighbouring property (RWG2) which is in the area of concern.

Permission would be needed from the owners of the neighbouring property to be able to survey this pipework. Please note an excavation may be required.

Drain Run G: RWP1 to Downstream Node Point

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

Hydraulic Pressure Test: Not tested **CCTV Survey Result:** Structural damage

Recommended Repair:

Excavate and replace the rest bend at the base of RWP1 together with upto 1m of pipework

Survey from excavation andreport on findings

Drain Run H: RWG1 to Downstream Node Point

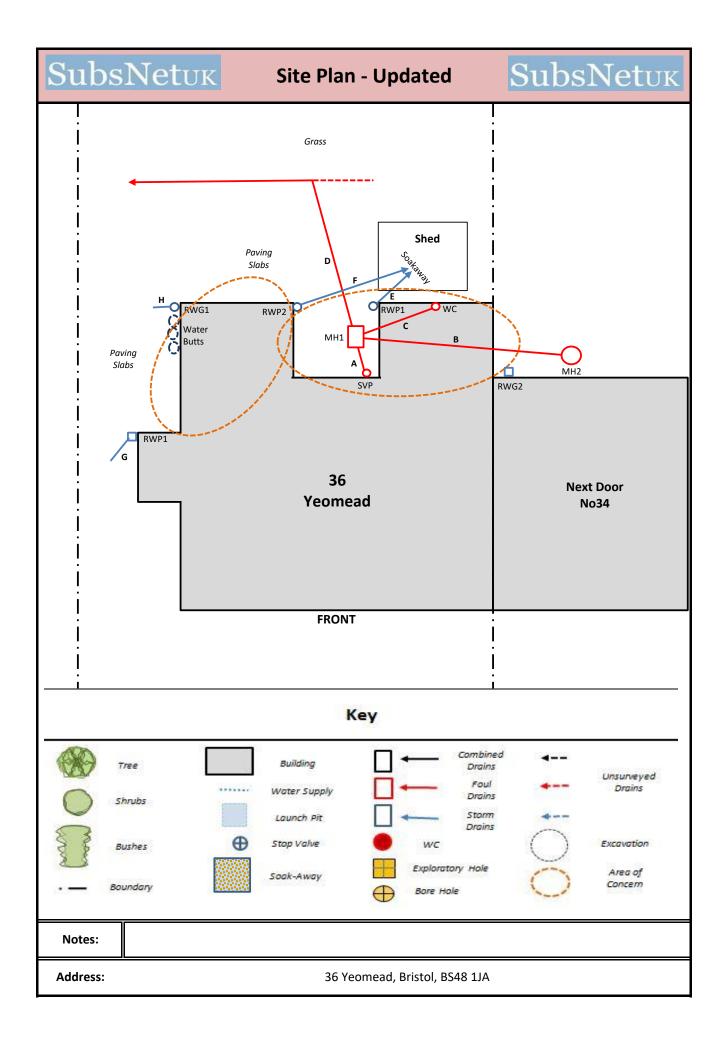
Pipe Diameter: 100mm **Responsibility**: Home Owner

Hydraulic Pressure Test: Not tested CCTV Survey Result: Structural damage

Recommended Repair:

Excavate and replace RWG1 together with upto 1m of pipework

Survey from excavation andreport on findings



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Photographs RWP1 & RWG1

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Address:

36 Yeomead, Bristol, BS48 1JA

SubsNetuk SubsNetuk Quote **RUN / LOCATION: Further Surveys** Rate (£) Quantity Amount (£) Repair Item Description Unit CCTV survey of underground drainage & report £165.00 1.00 £165.00 nr **Total** (Excl VAT) £165.00 **RUN / LOCATION: Run G** Rate (£) Quantity Amount (£) Description Unit Repair Item Rest-bend. Remove existing and replace with new UK0650 nr £96.02 1.00 £96.02 32/40mm waste pipes. Remove existing and replace UK1120155 £9.60 1.00 £9.60 32/40mm waste pipes. Shoes / bends. UK1120165 £10.81 2.00 £21.61 Excavate & remove isolated length, Replace in new UK0605 £131.47 1.00 £131.47 Short Radius Bend. Remove existing item and replace UK0880 £14.89 2.00 £29.78 Extra over pipework for surrounding drain run in UK1060 £14.40 1.00 £14.40 m Protection Temporary works to floors, 1000 gauge UK0025 m2 £1.79 2.00 £3.59 Hardcore Filling to excavations over 250 mm average UK8120300 m £35.35 1.00 £35.35 UK2050005 Disposal by hand excavated contaminated/saturated £45.30 1.00 £45.30 m3 Removal, set aside and reinstatement of concrete UK1045 m2 £24.61 1.00 £24.61 Total (Excl VAT) £411.73 **RUN / LOCATION: Run H** Rate (£) Amount (£) Quantity Repair Item Description Unit Remove existing UPVC pipework in isolated lengths, UK0010 £14.25 £14.25 nr 1.00 Extra over for bends. UK0015 £8.31 £8.31 1.00 nr UK0595 Gully, 225mm x 225mm. Remove existing and replace £146.43 1.00 £146.43 nr Excavate & remove isolated length. Replace in new UK0605 £131.47 £131.47 1.00 Short Radius Bend. Remove existing item and replace UK0880 £14.89 2.00 £29.78 nr Extra over pipework for surrounding drain run in UK1060 £14.40 1.00 £14.40 Protection Temporary works to floors, 1000 gauge UK0025 m2 £1.79 2.00 £3.59 Hardcore Filling to excavations over 250 mm average UK8120300 £35.35 1.00 £35.35 Disposal by hand excavated contaminated/saturated UK2050005 £45.30 1.00 £45.30 UK1045 Removal, set aside and reinstatement of concrete m2 £24.61 1.00 £24.61 Total (Excl VAT) £453.49 **REPAIR ESTIMATE TOTALS:** Run / Location Amount (£) **Further Survey** £165.00 Run G £411.73 £453.49 Run H

Total (Excl VAT)

£1,030.22

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