

Drainage Investigation Report

For Subsidence Management Services

Client Ms Krycia Fedorowitz

Risk Address: 12 Park Avenue, London, N22 7EX

Visit Date: 6th May 2022

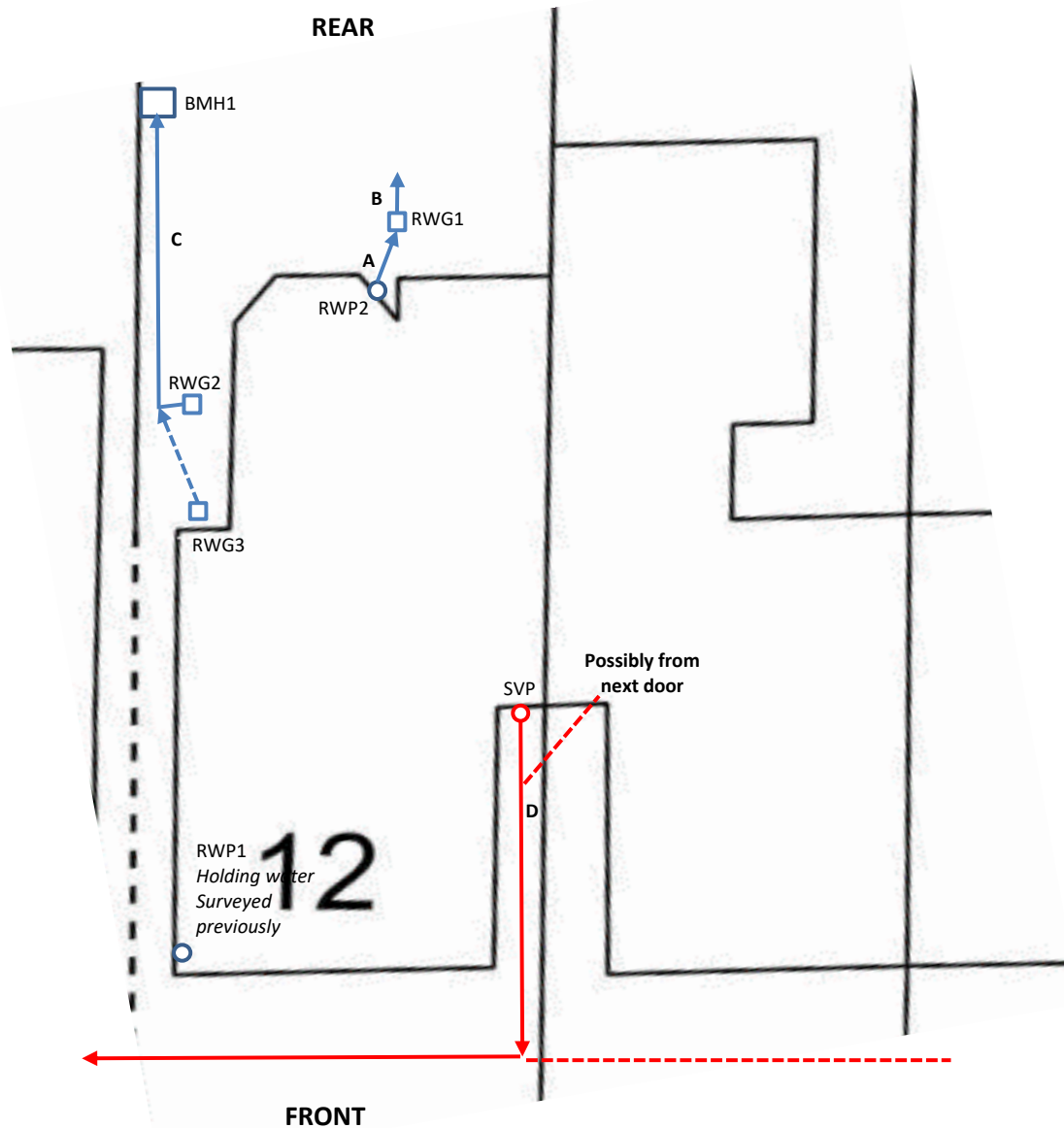
Client Reference: IFS-AVI-SUB-21-0091858

Our Reference: C60664 D22437

Report Date: 6th May 2022

Report Content:

- Front Page
- Site Plan
- CCTV Coding
- Drain Overview
- Photographs
- Quote



Key

	Tree		Building		Combined Drains		Unsurveyed Drains
	Shrubs		Water Supply		Foul Drains		Excavation
	Bushes		Launch Pit		Storm Drains		Area of Concern
	Boundary		Stop Valve		WC		
			Soak-Away		Exploratory Hole		
					Bore Hole		

Notes:

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RUN	Start From :	RWP2	Finish at :	RWG1	Pipe Ø:	100mm
A	Invert Level (m):	N/A	Invert Level (m):	0.47	Material:	Clay
STORM	Condition grade:	C	Direction:	Downstream	Responsibility:	Home Owner
<i>Distance</i>	<i>Code</i>	<i>Hydraulic Test - Fail</i>				
0.00	SN	Start Node from RWP2				
0.00	WL	Water Level 0%				
0.50	LU	Line of drain deviates up °				
1.90	FN	Finish Node at RWG1				
RUN	Start From :	UNABLE TO PUSH	Finish at :	RWG1	Pipe Ø:	100mm
B	Invert Level (m):	N/A	Invert Level (m):	0.47	Material:	Clay
STORM	Condition grade:	C	Direction:	Upstream	Responsibility:	Home Owner
<i>Distance</i>	<i>Code</i>	<i>Hydraulic Test - Fail</i>				
0.00	SN	Start Node from Unable to push further (reverse survey)				
0.00	WL	Water Level 0%				
0.00	CC	Crack Circumferential				
0.00	JDM	Joint Displaced (Medium)				
0.39	LU	Line of drain deviates up °				
0.40	FN	Finish Node at RWG1				
RUN	Start From :	RWG2	Finish at :	BEYOND AOC	Pipe Ø:	100mm
C	Invert Level (m):	N/A	Invert Level (m):	0.47	Material:	Clay
STORM	Condition grade:	C	Direction:	Upstream	Responsibility:	Home Owner
<i>Distance</i>	<i>Code</i>	<i>Hydraulic Test - Fail</i>				
0.00	SN	Start Node from RWG2				
0.00	WL	Water Level 0%				
0.00	JDM	Joint Displaced (Medium)				
0.00	LD	Line of drain deviates down °				
0.50	JDM	Joint Displaced (Medium)				
0.50	CC	Crack Circumferential				
0.70	CC	Crack Circumferential				
0.80	REM	Remark - Pipe joins another drain line via junction (from RWG3)				
0.80	DC	Dimension of drain changes at this point to 150mmØ				
1.33	CC	Crack Circumferential				
1.79	CC	Crack Circumferential				
2.19	CC	Crack Circumferential				
3.68	CC	Crack Circumferential				
4.67	CC	Crack Circumferential				
4.72	CC	Crack Circumferential				
5.37	CC	Crack Circumferential				
5.99	CC	Crack Circumferential				
6.26	CC	Crack Circumferential				
6.56	CC	Crack Circumferential				
7.05	CC	Crack Circumferential				
7.35	CC	Crack Circumferential				
8.74	FN	Finish Node at Buried Manhole				

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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: RWP2 D/S TO RWG1

Pipe Diameter: 100mm

Responsibility: Home Owner

Hydraulic Pressure Test: Fail

CCTV Survey Result: Structural damage

Recommended Repair:

To excavate and replace existing Rest bend at base of RWP including 2m of adjacent pipework.
Bed new pipe, compact, back fill and reinstate crazy paving

Drain Run B: UNABLE TO PUSH U/S TO RWG1

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
To carry out a further CCTV survey and report findings
Bed new pipe, compact, back fill and reinstate crazy paving

Drain Run C: RWG2 D/S TO BURIED MANHOLE

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 and junction
Trace and expose Buried Manhole
To prepare the drain line and insert 7m of structural liner to cover defects
To carry out a further CCTV survey upstream to RWG3 and report findings
Bed new pipe, compact, back fill and reinstate crazy paving

Drain Run D: SVP D/S TO MAIN LINE

Pipe Diameter: 100mm

Responsibility: Home Owner / Local Water Authority

Hydraulic Pressure Test: Unable to test

CCTV Survey Result: Structural damage

Recommended Repair:

To excavate and replace existing Rest bend at base of SVP including 2m of adjacent pipework
Faults beyond the junction at 1.33m are the responsibility of the Local Water Authority
Bed new pipe, compact, back fill and reinstate flag paving

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RWP1: Engineers carried out HPWJ to attempt to clear the drain as it is holding water but the drain was still holding after extensive jettings. This was surveyed on the previous report. See recommendations

Water Main Test	Result	Acoustic Test
	PASS	No noise could be heard which indicates that there is no leak

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