

Drainage Investigation Report

For Subsidence Management Services

Client Aviva

Risk Address: 81 Baker Street, Reading, RG1 7XY

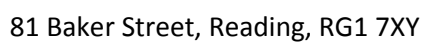
Visit Date: 17/01/2020

Client Reference: IFS-AVI-SUB-19-0084937

Our Reference: C53353 D17400

Report Date: 29/01/2020

Report Content: Front Page
Site Plan
CCTV Coding
Drain Overview
Quote



RUN	Start From :	MH1	Finish at :	Unconfirmed	Pipe Ø:	100mm
A	Invert Level (m):	N/A	Invert Level (m):	N/A	Material:	Plastic
FOUL	Condition grade:	A	Direction:	Upstream	Responsibility:	Home Owner
<i>Distance</i>	<i>Code</i>	<i>Hydraulic Test - Not Tested</i>				
0.00	SN	Start Node from MH1				
1.25	JN	Junction at 3 o'clock from Unconfirmed				
2.66	LR	Line of drain deviates right 45°				
2.96	LU	Line of drain deviates up 90°				
3.42	FN	Finish Node at Rest bend to Unconfirmed				
RUN	Start From :	Run A	Finish at :	Unconfirmed	Pipe Ø:	100mm
B	Invert Level (m):	N/A	Invert Level (m):	N/A	Material:	Plastic
FOUL	Condition grade:	A	Direction:	Upstream	Responsibility:	Home Owner
<i>Distance</i>	<i>Code</i>	<i>Hydraulic Test - Not Tested</i>				
0.00	SN	Start Node from Run A				
0.84	LR	Line of drain deviates right 45°				
2.47	LU	Line of drain deviates up 90°				
2.96	FN	Finish Node at Rest bend to Unconfirmed				
RUN	Start From :	MH1	Finish at :	Buried MH	Pipe Ø:	100mm
C	Invert Level (m):	N/A	Invert Level (m):	N/A	Material:	Plastic
FOUL	Condition grade:	A	Direction:	Downstream	Responsibility:	Home Owner
<i>Distance</i>	<i>Code</i>	<i>Hydraulic Test - Not Tested</i>				
0.00	SN	Start Node from MH1				
3.00	JN	Junction at 11 o'clock				
7.07	FN	Finish Node at Buried MH				
RUN	Start From :	RWG1	Finish at :	Downstream Node	Pipe Ø:	100mm
D	Invert Level (m):	N/A	Invert Level (m):	N/A	Material:	Plastic
STORM	Condition grade:	B	Direction:	Downstream	Responsibility:	Home Owner
<i>Distance</i>	<i>Code</i>	<i>Hydraulic Test - Not Tested</i>				
0.00	SN	Start Node from RWG1				
0.46	OB	Obstruction				
0.46	SA	Survey Abandoned - Unable to push past obstruction				
RUN	Start From :	FWG1	Finish at :	Run C	Pipe Ø:	100mm
E	Invert Level (m):	N/A	Invert Level (m):	N/A	Material:	Plastic
FOUL	Condition grade:	A	Direction:	Downstream	Responsibility:	Home Owner
<i>Distance</i>	<i>Code</i>	<i>Hydraulic Test - Not Tested</i>				
0.00	SN	Start Node from FWG1				
1.82	LD	Line of drain deviates down 45°				
2.09	FN	Finish Node at Run C				
RUN	Start From :	RWG2	Finish at :	Downstream Node	Pipe Ø:	100mm
F	Invert Level (m):	N/A	Invert Level (m):	N/A	Material:	Plastic
STORM	Condition grade:	B	Direction:	Downstream	Responsibility:	Home Owner
<i>Distance</i>	<i>Code</i>	<i>Hydraulic Test - Not Tested</i>				
0.00	SN	Start Node from RWG2				
1.29	RFJ	Roots Fine at Joint				
1.30	MC	Material of drain changes at this point to Pitch Fibre				
4.56	FN	Finish Node - Beyond Area of Concern				

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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.

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 Unconfirmed Rest Bend

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: Run A Upstream to Unconfirmed Rest Bend

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 C: MH1 Downstream to Buried MH

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 D: RWG1 Downstream

Pipe Diameter: 100mm

Responsibility: Home Owner

Hydraulic Pressure Test: Not Tested

CCTV Survey Result: No Structural damage but survey abandoned due to obstruction

Recommended Repair:

- 1) To excavate and replace existing Rest bend at base of RWP including 1m of adjacent pipework.
- 2) To carry out a further look-see CCTV survey and report findings.

Drain Run E: FWG1 Downstream to Run C

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 F: RWG2 Downstream**Pipe Diameter:** 100mm**Responsibility:** Home Owner**Hydraulic Pressure Test:** Not Tested**CCTV Survey Result:** No Structural Damage**Recommended Repair:**

- 1) Excavate and replace RWG2 including 2m of pipework downstream

FWG2: Unable to access the gully due to Run F being situated on top of the pipework below ground level. Therefore no access excavation could be carried out.

Recommended Repair:

- 1) To excavate and replace existing gully including 1m of adjacent pipe work.
- 2) Excavate and replace junction to FWP also for access
- 2) To carry out a further look-see CCTV survey and report findings.

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.

WATER MAINS TEST:

There is no suitable place to complete a water pressure test . Should this be required it would need one of the mains water crew to attend in order to complete this test.