

## Drainage Investigation Report

### For Subsidence Management Services

**Client** Maria Templeton

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

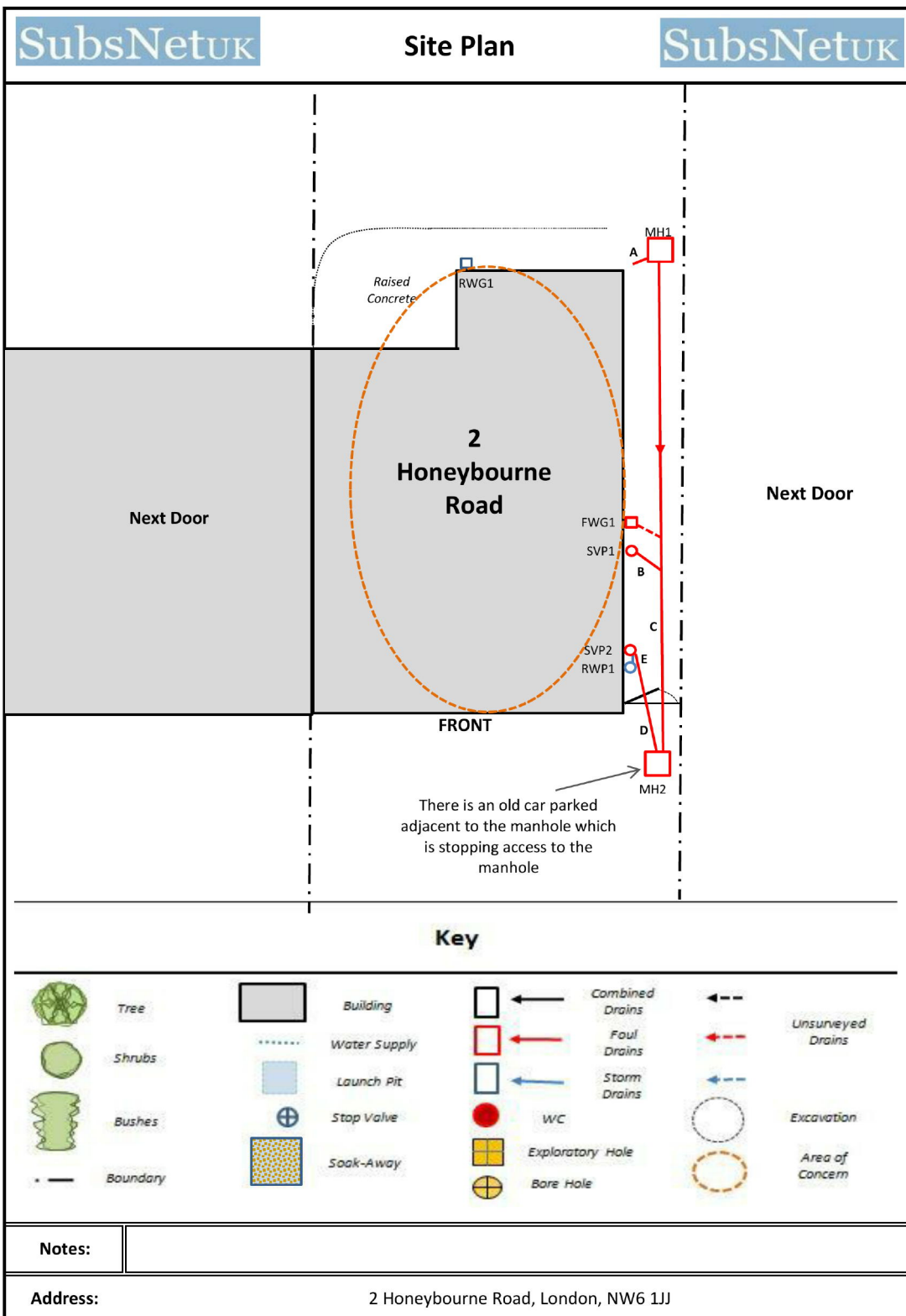
**Visit Date:** 25th January 2019



**Report Date:** 7th February 2019

**Report Content:**

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



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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.

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 from RWP1.

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

**Address:**

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**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 Run D to be carried out.

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.

Water Main Test	Water Meter	Result	Notes
		PASS	
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SubsNetUK

Photographs

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RWG1



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**RUN / LOCATION: RUN B**

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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SubsNetUK		Quote		SubsNetUK	
RUN / LOCATION: <b>RWG1 Recommendations</b>					
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)	
REPAIR ESTIMATE TOTALS:					
Run / Location					
RUN B					
RUN D					
RWG1 Recommendations					
			Total (Excl VAT)		
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