

Drainage Investigation Report

Auger Ref:

136084.1.UCC

Job Information

Client	Liverpool Victoria
Client ref	800-01-006437
Visit date	20/05/2022
Report date	20/05/2022

Job Summary

- ✓ Claim Accepted. [Read more.](#)
- ✓ CCTV survey undertaken. [Read more.](#)
- ! Drainage repairs required. [Read more.](#)



Job Information

Overview

Brief

Auger were commissioned by Liverpool Victoria to undertake drainage investigations following the customer reporting blockages at the property. The issues was discovered when the internal facilities were found to be backing up. The property was noted to be semi-detached. The customer has reported that the blockages have caused flooding within the kitchen of the customers property.

Due to the blockages the customer has contacted their insurer who has appointed a contractor to remove the roots from within the customers drainage system.

The contractor has advised to the customer that the customer should have their drainage system root cut and then lined.

Findings

Visual Inspection

A visual inspection of the site revealed MHI, which was noted to be constructed out of brick, has root ingress.

The visible defects identified are affecting the function of the system.

The customer should be made aware that the manhole located to the front of their property is the responsibility of the local water authority as it is part of a shared drainage system. This means that any defects that have been identified with the manhole are the sole responsibility of the local water authority.

Drain Survey

We carried out a CCTV survey of the below ground drainage system, our findings of which are as follows:

Our survey of line 1 revealed root ingress. The defects identified are affecting the function of the below ground drainage system.

The root ingress within the pipework can be seen in the photos that have been provided below.

Claim Accepted

Where there is root ingress found to be protruding into the line and preventing the system from being free-flowing, insurers should accept liability for the removal and repair as the roots are considered to be an intervening cause of accidental damage.

The claim for accidental damage to underground services should therefore be accepted for the insurable defects noted above.

Recommendations

Repairs to be Completed

It is recommended that the following repairs are carried out to restore full function to the system:

Line 1

Install 6m of 100mm liner directly upstream of MH1.
This lining repair should not enter the SVP rest bend.

Our investigations revealed potential defects/issues with the LWA sections of pipework which are not the responsibility of the owner/customer. We would recommend that the customer contact the LWA and request that they attend to inspect and repair/resolve the issues highlighted. If the LWA decline to accept responsibility for individual sections of pipework please contact us directly so that we can assist/advise further.

The LWA defects are noted to be located in the manhole located at the front of the customers property. The customers local water authority is noted to be Southern water.

Repair Caveats

Once repairs have been undertaken the customer should ensure the drainage system is periodically inspected in the future for any deterioration and kept free flowing / free of blockages. Any damage noted during future inspections should be repaired immediately in accordance with current Building Regulations.

With any repair process, complications and unforeseen circumstances can arise. These scenarios will be reported whilst on-site and could potentially cause an increase in repair costs and inconvenience.

If any of the above lining recommendations fail then excavation and replacement of the pipework would be required. This would severely increase the cost of repairs and would provide greater inconvenience to the residents.

*Recommendations have been made to reline or patch reline sections of the drainage system at the property. This process combines a number of chemicals in a resin, which then harden in a fibreglass matting to create a new section of drain within the original. The reaction creates a **strong smell which can linger for up to 72 hours** once works are completed - this is not harmful. It is recommended that any areas where smells are experienced are kept well ventilated until the odour subsides.*

Photographs

CCTV Stills

Fig 1.1: This shows the root ingress located within the SVP pipework.



Fig 1.2: This shows the root ingress within the SVP pipework.



Site Photos

Fig 2.1: This shows the manhole located at the front of the customers property.



Fig 2.2: This shows the root ingress located within the manhole at the front of the customers property.

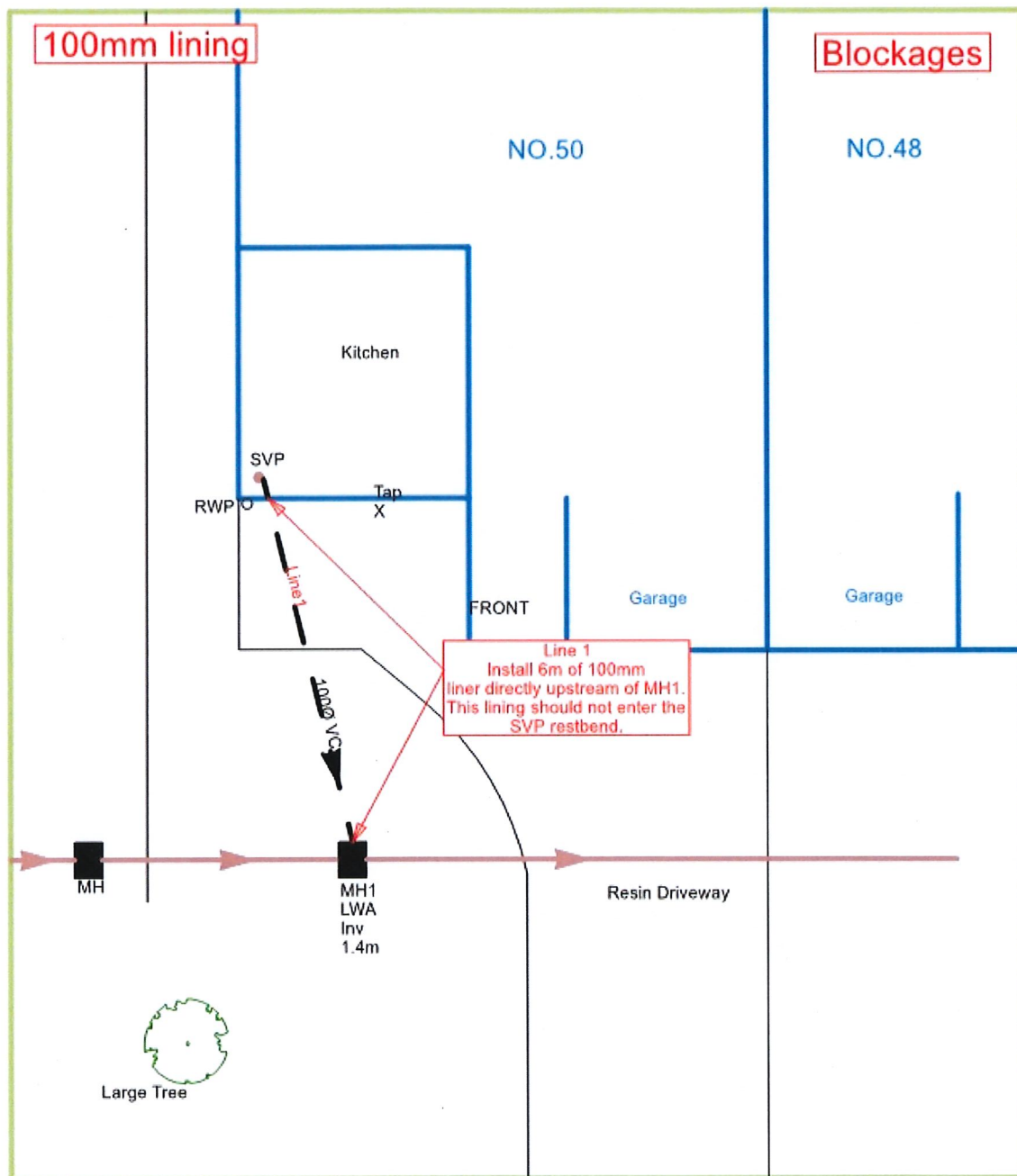




Proposed Layout

Job Ref: 136084.1

Date: 20/05/2022



FRONT OF PROPERTY

This drawing should be used for diagrammatic purposes only. Auger are not responsible or liable for any 3rd party works undertaken using the details outlined in this drawing. Confirmation of the drainage configuration can only be confirmed by excavation or detailed technical survey.

LEGEND

= Manhole (MH)	= Blockage / Collapse	= Lines not camera surveyed	= Trial hole	= Shrubs / Bush
= Inspection Chamber (IC)	= Soil Vent Pipe (SVP) / WC	= Lines camera surveyed	= Borehole	= Hedge
= Inspection Point (IP)	= Combined Waste Gully (CWG) / Foul Waste Gully (FWG)	= Assumed water mains feed	= Direction of flow	= Tree
= Rainwater Gully (RWG)	= Rainwater Pipe (RWP)	= Walls	= Gata / Door	= Steps
= Fences	= Building Outline	= Fences		