



**PHIL'S DRAINAGE
SERVICES LTD.**

cctv • drains • unblocks

Mark

PHILS DRAINAGE SERVICES LTD

Residential Property, Fleet

Blocked main bathroom WC main 100mm diameter waste pipe

Thursday, 10 September 2026

Prepared For Private Client



1

Assigned To Attended The Premises

Attended The Premises

Due to a report of blocked foul water pipework within the main bathroom



2

Assigned To Upon Arrival We Located The Blocked WC

Upon Arrival We Located The Blocked WC

Within the upstairs main bathroom



3

Assigned To Externally We Located The External Foul Water Chamber Externally We Located The External Foul Water Chamber within the rear garden (on the left)

And set up safety signage and barriers



4

Assigned To Made Direct Access Into The Chamber

Made Direct Access Into The Chamber

Chamber clear we proceeded with using our small cctv drainage camera to locate the pipework blockage upstream towards the property



5

Assigned To Cctv Look- See Survey

Showing camera head and direction

Upstream lateral 1 towards the main upstairs bathroom / WC
100mm Upvc pipework



6

Assigned To Cctv Look- See Survey

Imagery

Camera arrived at internal rest bend bottom of the internal FW stack

Pipework clear



7

Assigned To Cctv Look- See Survey

Camera arrived within the 100mm vertical FW stack Pipework

Attached scale deposits

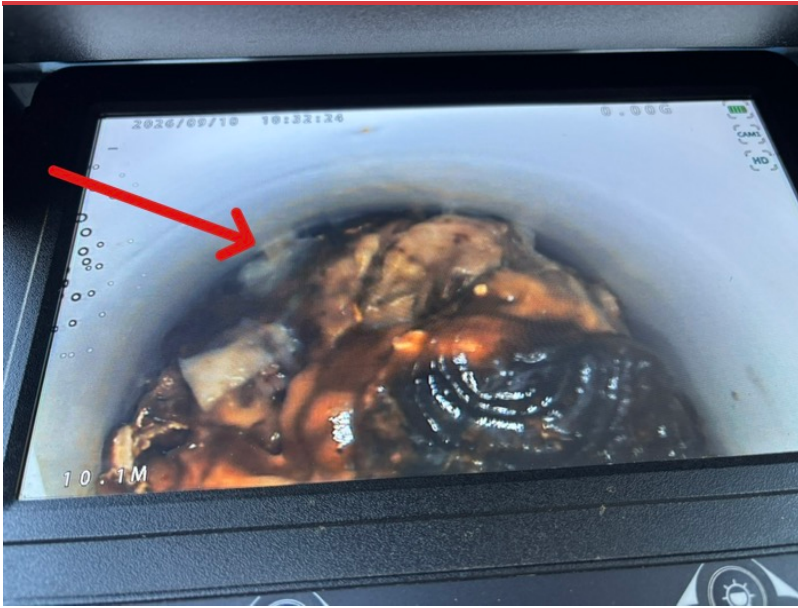


8

Assigned To Cctv Look- See Survey

Camera arrived within the 100mm vertical FW stack Pipework

Attached scale deposits



9

Assigned To Cctv Look- See Survey

Blockage located within WC
100mm diameter float line

Mass scale and soft tissue
blockage



10

Assigned To Using Manual
Methods/ Electromechanical
Unblocking Methods

Using Manual Methods/
Electromechanical Unblocking
Methods

To clear the initial blockage



11

Assigned To Using Manual Methods/ Electromechanical Unblocking Methods To clear the initial blockage

Using Manual Methods/ Electromechanical Unblocking Methods

To clear the initial blockage



12

Assigned To Externally Catching The Soft Tissue Blockage

Externally Catching and removing The Soft Tissue Blockage from the external FW chamber



13

Assigned To WC on Flow Test

Multiple flow tests of all bathroom facilities being carried out



14

Assigned To Multiple flow tests of all bathroom facilities being carried out

Multiple flow tests of all bathroom facilities being carried out

Flow test passed on test 

*see recommendation section



15

Assigned To Internal Hygiene
Clean

Internal Hygiene Clean



16

Assigned To Internal Hygiene
Clean

Internal Hygiene Clean



17

Assigned To External Hygiene
Clean

External Hygiene Clean



18

Assigned To Chamber Cover
Placed Back Correctly

Chamber Cover screwed down and
Placed Back Correctly after.



19

Assigned To Waste Bagged And
Removed For Waste Disposal/
Recycling ♻️

Waste Bagged And Removed For
Waste Disposal/ Recycling ♻️

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- 24 Hour Drain Clearance
- Blocked Drains
- Drain Installation
- Drain Relining
- Drain Repair
- Drainage Investigation
- Emergency Drain / Sewer Clearance Service
- Septic Tank Emptying
- Septic Tank Installation
- Septic Tank Repair
- Sewage Pump Installation
- Sewage Pump Maintenance
- Soakaway Clearance
- Waste Water Treatment Plant Installations

📞 01252 268872 📍 Fleet + 50 mile radius ✉️ info@philsdrainage.co.uk







DRAINAGE ENGINEERS REPORT

Assigned To Report And
Recommendations

DRAINAGE ENGINEER'S END REPORT & RECOMMENDATIONS

Property: Residential Property, Fleet

Prepared for: Private Client

Date of Attendance: Thursday, 10
September 2026

Contractor: Phil's Drainage
Services Ltd

Reason for Attendance: Blocked
main bathroom WC / internal
100mm diameter foul-water
pipework.

Engineer's Report

Phil's Drainage Services Ltd attended the above property following reports of a blocked WC and associated foul-water pipework within the upstairs main bathroom. Upon arrival, the blockage was confirmed at the main bathroom

The external foul-water chamber within the rear garden was located and accessed. The chamber itself was found to be clear, allowing a CCTV look-see drainage survey to be undertaken upstream towards the property to establish the position and likely cause of the internal blockage.

CCTV Investigation & Findings

The CCTV drainage camera was progressed upstream through the 100mm diameter UPVC foul-water pipework towards the main upstairs bathroom/WC and successfully reached the rest bend at the base of the internal foul-water stack. During the CCTV investigation, attached scale deposits were clearly identified within the internal 100mm diameter vertical foul-water stack. These deposits have accumulated against the internal bore of the pipework and are reducing the clean, unrestricted

internal surface available for foul waste to discharge through the system.

Further investigation identified the blockage within the 100mm diameter WC float line, consisting of a mass accumulation of scale and soft tissue material.

Initial Blockage Clearance

The initial blockage has been successfully cleared using a combination of manual and electromechanical unblocking methods. The displaced soft tissue/blockage material was caught and removed from the external foul-water chamber rather than being allowed to remain within the drainage system.

Following clearance, multiple flow tests were undertaken using the bathroom facilities. At the time of attendance, the system passed the flow tests and was left operational and free-flowing.

Engineer's Recommendations – Internal Descale

Although the immediate blockage has been successfully removed and flow restored, the CCTV investigation has identified significant attached and settled scale deposits within the internal 100mm diameter WC float line and

the associated internal foul-water stack.

In our professional opinion, these remaining deposits present an increased risk of foul waste, toilet tissue and other discharged material catching and accumulating against the restricted/roughened internal pipe surface, which can contribute to common recurring blockages if left untreated.

Phil's Drainage Services Ltd therefore recommends that a methodical internal drainage descale and clean is undertaken.

The recommended works would utilise a combination of electromechanical cleaning (EMC) and high-pressure water jetting (HPWJ), with a CCTV drainage camera used in support throughout the cleaning process.

The purpose of these works would be to methodically break down, dislodge and remove as much of the attached and settled scale deposits as reasonably practicable from the internal 100mm diameter WC float line and internal foul-water stack, while using CCTV imagery to monitor progress and target areas of heavier accumulation.

Following the descale, the affected pipework should be thoroughly flushed through towards the external foul-water chamber, with loosened scale and debris captured and removed where practicable. A final CCTV inspection and flow test should then be undertaken to confirm the condition and performance of the cleaned pipework.

Conclusion

The initial blockage has been cleared successfully and the drainage is currently operational. However, clearance of the immediate blockage should not be considered a full remedial clean of the affected pipework.

Due to the scale deposits identified during CCTV inspection, we recommend proceeding with the EMC and HPWJ descale of the internal 100mm foul-water pipework, supported by CCTV drainage camera inspection, as a preventative measure to reduce the likelihood of recurring WC/foul-water blockages and improve the internal bore and flow characteristics of the drainage system.

Our office can provide quotations

upon request

Kind regards

Mark

PHILS DRAINAGE SERVICES LTD

24/7 reactive and work processes
enquiries

Fleet

01252 268872

Basingstoke

01256 592759

Guildford

01483 399752

Camberley

01276 930219

Head office

Carla 01252 268872

Info@philsdrainage.co.uk