

02 May 2024

Mrs Baxter
Rowan Shadows Lane
Congerstone
Nuneaton
CV13 6NF

Dear Mrs Baxter

DRAINAGE REPORT - 39963

Date of Initial Visit: 18th August 2024

Action Taken:

1. **Initial Assessment:** Upon arrival, the engineer inspected the drain system and identified a blockage within the network.
2. **Blockage Clearance:** High pressure jetting was utilised to clear the blockage.
3. **CCTV Inspection:** A CCTV inspection was conducted to assess the internal condition of the 4" clay pipes. This identified displacements and root ingress in both the downstairs and upstairs runs which required root cutting and lining. The rainwater gully was also infested with roots and required replacement together with a new soakaway installation.

Date of Remedial Work: 20th -22nd August 2024

1. Site Assessment:

- The engineer conducted a thorough site assessment to determine the best location for the soakaway considering factors such as soil type, proximity to buildings, and the natural slope of the land. This is to ensure that the soakaway can discharge and percolate the water coming through it back into the surrounding soil. This will function by collecting the water that flows with high capacity load and allowing it to disperse into the nearby soil.

2. Installation Process:

- **Excavation:** Our team excavated the designated areas to accommodate the 2-crate soakaway.
- **Crate Soakaway Placement:** This was strategically placed at the bottom of the excavated pit to optimise water distribution and absorption.
- **Connection to 4" Pipework:** The downpipe that facilitates the rainwater from the gutter was connected to new 4" pipework to the soakaway to efficiently channel surface water away from the targeted zones.
- **Installation of New Bottle Trap Gully:** A new PVC bottle trap gully with roddable access was installed to replace the outdated system, ensuring better performance and ease of maintenance in the future.
- **Relining Procedure:** The lines were cleaned and prepared prior to the lining installation. A total of 9 metres, polyester resin liner was installed – 1 metre to the gully, 1 metre to the toilet and 7 metres to the boundary to provide structural reinforcement and prevent further issues.

3. Materials Used:

- High-quality plastic crated soakaway designed for optimal water storage wrapped in a Terram membrane which acts as a filter, preventing the ingress of soil particles that could clog the system.
- Durable 4" PVC pipe for efficient water transportation.
- Bottle Trap Gully.
- Polyester Resin Liner.

4. Surface Finish:

- The ground was filled with soil and all surfaces reinstated.

5. Waste Removal

- All waste was removed from site on completion of the work.

6. Post-Installation Testing:

- Once the installation was complete, the engineer performed tests to ensure the system was functioning as intended.

Please note that for any insurance claims the company No1 PHD will not be held responsible for any disagreements arising from settlement figures.

Yours sincerely

No1 PHD Limited

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