



# **CITY DRAINS**

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## **CCTV Camera Survey Inspection Report**

Client: **A customer in London**  
Site Address: **A house in London**  
Reference: **000257**

Date of survey: **25<sup>th</sup> July 2007**  
Pipe Diameter: **4 inch**  
Pipe Material: **Cast Iron / Earthenware**  
Depth: **No manhole(s) available, access from basement Rodding Eye**

Result of camera survey undertaken on internal Foul Sewer and recommendations at above address.-

- 1) Access (see diagram) running **Downstream from the Rodding Eye** out to main sewer in road. The entire length of the downstream sewer pipe was found to have offset joints (see 1<sup>st</sup> part of DVD).
- 2) Connection on road found to be without **Sewer Flap**.
- 3) Access (see diagram) running **Upstream from the Rodding Eye** to the interior of the premises. This section was found to be in poor condition due to a heavy build up of silt (this has now been remedied with a jet clean of the system).
- 4) Section connecting to the **Running Trap** upstream (see diagram) found to have a kink.

**OTHER:** Unable to carry out an inspection of side connections upstream due to no access.

### **Recommendations:**

- A) A jet clean of the upstream pipe **has been undertaken** to eliminate deposits of silt in the pipe and in the running trap.
- B) Section from access point downstream to road requires relining, due to offset joints.
- C) Better access is required of the cupboard area where the access points are found. It will prove a problem in case of blockages or flooding. If relining is undertaken this will be absolutely necessary for ease of access.

D) Installation of a Sewer Flap would help prevent surcharges from the main sewer, when heavy down pours or blockages occur externally. *Thames Water* will need to be contacted for the works.

E) Kinked pipe section requires rectifying or replacing. Possible build up of solids in the defected pipe will cause blockages in the future.

F) It would be better to make the internal access points water tight and build a manhole externally to create a more direct access point and thereby avoid possible internal flooding.

**Observations:**

The above changes to the sewer system will minimise any chances of blockages. If however a blockage occurs, **the basement area will definitely flood**. Because the sewer pipe lies at the same level as the basement kitchen and because the Rodding Eye is the only access, when the cover for this is removed to tackle the problem, the pipe will empty its contents into the basement area.

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