

THE COMPLETE DRAINAGE SERVICE • CCTV CAMERA SURVEYS • STRUCTURAL SOFT FELT LINING
REPAIRS WITHOUT EXCAVATIONS • REFORMING OF PITCH FIBRE PIPES

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For the attention of Mr Varia Mahesh

59 Solent Road
London
NW6 1TY



27 October 2016

Our reference:30790H

CCTV CAMERA INSPECTION REPORT

Site Location – 59 Solent Road, London, NW6 1TY

Further to recent instruction, our engineers attended the above site location to carry out a CCTV camera inspection of the drainage and our findings are as follows:

Commence survey from Manhole A up branch connection 1. 100mm earthenware pipework. Duty foul water system.

| <u>Distance (m)</u> | <u>Observations & Remarks</u> |
|----------------------------|---|
| 0.0 | Joint |
| 0.3 | Multiple fracturing |
| 0.5 | Offset joint |
| 1.1 | Offset joint and cement intrusion |
| 1.6 | Longitudinal fracture |
| 1.7 | Cement intrusion and offset joint |
| 1.8 | Radial fracture |
| 2.2 | Cement intrusion and offset joint |
| 2.5 | Cement intrusion, circumferential fracture, offset joint and bend downwards |
| 2.8 | Outlet of rainwater/yard gully |

Continue survey from Manhole A downstream (via interceptor trap). 100mm earthenware pipework. Duty foul water system.

| | |
|-----|---|
| 0.0 | Joint |
| 0.1 | Outlet of internal trap and radial fracture |
| 0.3 | Offset joint |
| 0.8 | Offset joint |
| 1.2 | Offset joint and multiple fracturing |
| 1.5 | Offset joint |
| 2.1 | Offset joint |
| 2.8 | Offset joint and radial fracture |



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| | |
|-----|--|
| 3.3 | Offset joint |
| 4.0 | Offset joint |
| 4.5 | Offset joint |
| 5.2 | Offset joint |
| 5.7 | Offset joint, gap between sections and bend to right |
| 6.1 | Offset joint and multiple fracturing |
| 6.2 | Offset joint and multiple fracturing |
| 6.4 | Connection with main drain |

END OF SURVEY

Please Note

It would appear that the rain/surface water pipes serving the property do not enter the foul water drainage system and therefore probably discharge into one or more soakaways located generally 3.0m-5.0m from the building.

Unfortunately, no direct access was available to either the soakaway or the underground pipework, preventing an inspection. These runs have therefore not been surveyed and their condition is obviously not known at this time.

Should it be deemed necessary, and various professions seem to have different views on this, that these runs require investigation then excavations would be needed, at a further cost.

Conclusions and Recommendations

It was apparent from the CCTV camera inspection that the accessible drainage system is not in a satisfactory structural condition having multiple fracturing which will be allowing the loss of water into the surrounding ground area.

The system is also suffering from cement intrusion and severe scale deposits which fill approximately 50% of the run upstream of Manhole A under the building. This level of scale deposit impedes the passage of sewage through the pipework and prevented completion of the CCTV of this section.

We understand that the drainage is to be replaced during the proposed refurbishment works however if any was to be retained and which required remedial works, please contact us for a quotation.

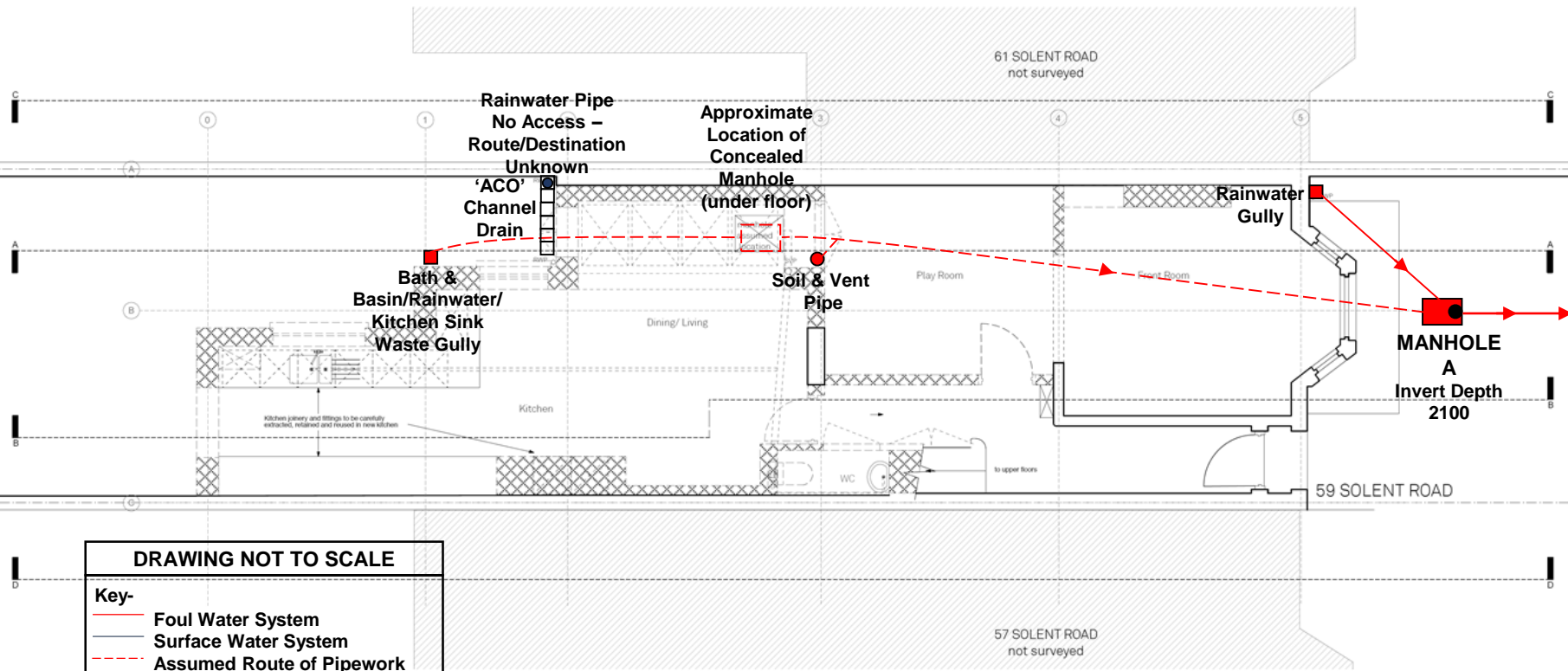
Unfortunately, due to the level of scale and the fact that the rear manhole has been covered over, we were unable to confirm whether the drainage system is shared with a neighbour and therefore the responsibility of Thames Water. We have however contacted Thames Water on your behalf and after checking their GIS mapping system, their opinion was that the drain was private. Whilst this was the information received, they still stated that they could not be certain and therefore suggested that we carry out the high pressure water jetting and completion of the survey and report it back to them if found to be communal.

In order to return the pipework under the building to a clear and free flowing condition, extensive high pressure water jetting using scale removing equipment will be necessary for which our charge will be £720.00 plus VAT. Please note that this will include completion of the survey of the accessible pipework.

We do hope that the above meets with your approval but should you have any queries please do not hesitate to contact us.

PLEASE NOTE 1: ALL REPAIR WORKS CARRIED OUT ARE COVERED BY CERTIFIED ENGINEERS AS PART OF THE NATIONAL ASSOCIATION OF DRAINAGE CONTRACTORS (NADC) SCHEME. THIS ENSURES THAT ANY REMEDIAL WORKS MEET THE HIGHEST INDUSTRY STANDARDS AND CARRY OUR 15-YEAR GUARANTEE AGAINST FAULTY WORKMANSHIP AND MATERIALS. PLEASE BEWARE CONTRACTORS WHO ARE NOT NADC CERTIFIED.

PLEASE NOTE 2: THE MEASUREMENTS IN OUR REPORTS OR ON OUR RECORDINGS ARE TO BE USED AS A GUIDE LINE ONLY. THE DOTTED LINES SHOWN ON OUR DRAWINGS ARE AN APPROXIMATE ROUTE AND SHOULD NOT BE RELIED UPON. SHOULD CONFIRMATION OF THE ROUTE BE REQUIRED, ELECTRONIC SONDE TRACING WOULD BE NECESSARY.



DRAWING NOT TO SCALE

Key-

- Foul Water System
- Surface Water System
- - - Assumed Route of Pipework

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59 SOLENT ROAD, NW6 1TY