

DRAIN SMART

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 Carole Markey

35 South Hill Park
Hampstead
London
NW3 2ST

25 February 2013

Our reference. 26612N

CCTV CAMERA INSPECTION REPORT

Site Location – 35, South Hill Park, Hampstead, London, NW3 2ST

Commence survey from Manhole A upstream. 150mm earthenware pipework. Duty foul water system.

Distance (m)

Observations & Remarks

| | |
|-----|---|
| 0.0 | Joint and very slight bend upwards |
| 0.2 | Joint |
| 0.8 | Joint |
| 1.4 | Offset Joint and very slight bend upwards |
| 1.6 | Offset Joint |
| 2.3 | Joint |
| 2.9 | Joint and longitudinal fracture |
| 3.5 | Joint |
| 4.1 | Joint and circumferential fracture |
| 4.7 | Joint |
| 5.0 | Branch connection at 3 o'clock to rainwater gully |
| 5.3 | Joint |
| 8.4 | Circumferential fracture |
| 5.7 | Joint |
| 6.3 | Joint |
| 6.9 | Joint |
| 7.4 | Offset Joint and radial fracture |
| 7.9 | Joint |
| 8.2 | Joint |
| 8.3 | Branch connection at 3 o'clock to soil and vent pipe |
| 8.5 | Joint and cement intrusion |
| 8.9 | Offset Joint and change to 100mm super sleeve pushed into |



| | |
|-----|--|
| | 150mm pipework |
| 9.4 | Joint |
| 9.9 | Manhole B (which is under washing machine and tumble driver) |

Continue survey from Manhole B upstream. 100mm 'super sleeve' pipework. Duty foul water system.

| | |
|-----|--|
| 0.9 | Offset Joint and very slight bend to left |
| 1.2 | Offset Joint, 90° bend upwards, gap between sections and debris deposits |
| 1.5 | Offset Joint |
| 2.8 | Outlet of ground floor WC |

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

| | |
|-----|---|
| 0.0 | Joint and 90° bend upwards |
| 0.2 | Circumferential fracture and radial fracture |
| 0.5 | Joint and bend over |
| 0.9 | Joint and debris deposits |
| 1.0 | Joint and cement intrusion which prevented passage of the camera. Branch connection at approximately 1.20m to rainwater gully and 90° bend upwards to the soil and vent pipe at approximately 1.40m |

END OF SURVEY

Conclusions & Recommendations

It was apparent from the CCTV camera inspection that the drainage system is generally in a satisfactory structural condition although minor fractures were discovered, which will be allowing the loss of water into the surrounding ground area which may undermine the foundations of the building, possibly causing subsidence.

Whilst the proposed extension works may involve the replacement of some drainage at the rear of the property it is unlikely that the affected drainage will be included and therefore we recommend the following works –

- 1) To carry out high pressure water jetting of all affected runs to remove debris deposits and leave the pipework in a clear and free flowing condition.
- 2) To carry out structural patch lining of the defective sections at 2.9m, 4.1m, 5.4m and 7.4m upstream of Manhole A to seal pipework to a watertight condition.
- 3) To carry out structural patch lining of the defective section at 0.2m up branch connection in Manhole A to seal pipework to a watertight condition.

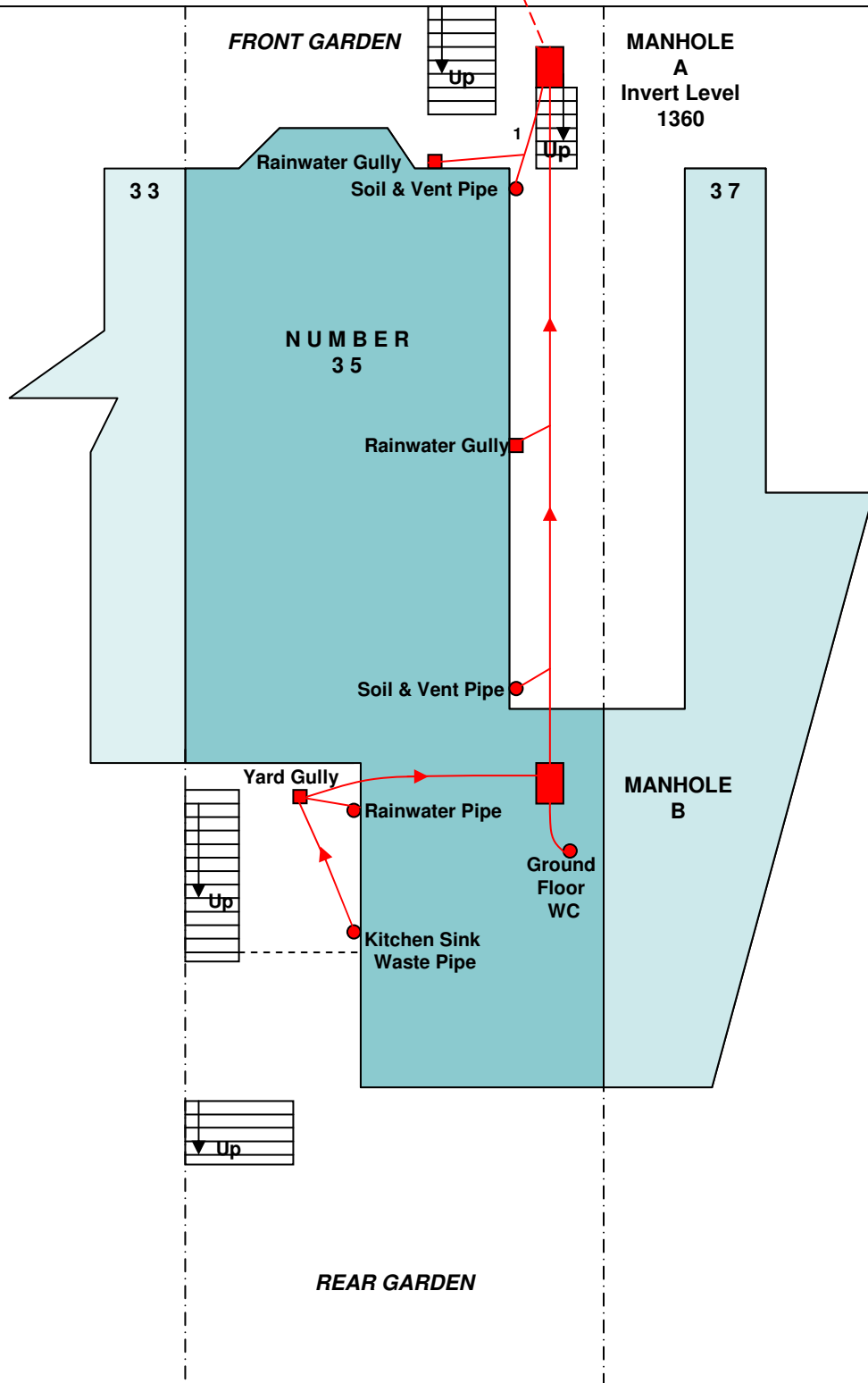
We would be pleased to carry out the above works for the sum of £1455.00 plus VAT and we look forward to receiving your further instructions.

Please Note – all repair works carried out are covered by our 15 year guarantee against faulty workmanship and materials on repaired sections.

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: THE MEASUREMENTS IN OUR REPORTS OR ON OUR RECORDINGS ARE TO BE USED AS A GUIDE LINE ONLY.

SOUTH HILL PARK , LONDON , NW 3



DRAWING NOT TO SCALE

Key –
— Foul Water System

DRAIN SMART