

Jobsheet

Customer: Bradshaw Gass & Hope LLP
Job No: 2996
Job Title: HPWJ and CCTV Survey

Site Address:
Leopold Court
Leopold Street
Rochdale
OL11 5HA

Engineers:
Barry Worsley

Order Ref:

Start Date: 17/11/2025
End Date: 24/11/2025

Call Date: 14/11/2025
Complete: Yes
Complete Date: 27/11/2025

Work To Be Done

HPWJ and CCTV survey of existing network to access its current condition and also allow to design and diversion required for the new rear extension

Actual Work Done

Attended site to carry out high pressure water jetting and CCTV on all the accessible external drainage.

On first inspection when lifting the manhole covers it appeared that there were 3 main carrier lines that start at the rear of the building and discharge to the front.

However now that the survey is complete, we can confirm that there area 4 x carrier lines. 2 x foul waste and 2 x surface water for each side of the building, all the underground drainage on site surveyed was vitrified clay the drainage sizes vary from 100mm-225mm.

All gullies were cleared of debris and high pressure water jetted to ensure full flow.

All foul lines were high pressure water jetted prior to the CCTV survey, blockages were identified and cleared.

On the surface water runs silt catchers and warthog jetting nozzles were used to remove the silt deposits and root mass.

FWMH9 B1 this blockage was identified as misuse and was caused by plastic sanitary products and medical packaging.

FWMH5 this blockage was in the chamber, also misuse and was caused by rags/clothing material that had been flushed down one of the branch lines.

SWMH4 this blockage was caused by root mass, once removed it was identified that the root mass has fractured the line.

During the works on site on the survey from FWMH15 to FWMH16 we identified a hole in the pipe wall with water incoming into the line, this ingress of water was also noted in the chamber walls of FWMH16. The water appears clear and high flowing. We suspect that there may be a leak on the mains water and would recommend that this is investigated further.

The only sections of drainage that we could not complete a CCTV survey on are as follows;

FWMH13 to FWMH14. This survey was abandoned due to loss of vision. The loss of vision is due to high water levels caused by debris in the manhole chamber FWMH14. Manhole entry would be required in FWMH14 to attempt to clear the debris and resurvey.

FWMH6 to FWMH16. We were unable to carry out a survey on this line due to the water levels, the line holds due to scale in the channel (FWMH16) and will also require manhole entry to remove to complete a survey.

SWMH8 to UNKNOWN this manhole is the last surface water manhole on site taking SWMH7 and SWMH10. The survey had to be abandoned as we were unable to push the camera any further this is due to the line diameter of 225mm and would require a crawler to complete a full survey.

Total Nett:	£4,312.50
Total VAT:	£862.50
Total Gross:	£5,175.00

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There were several chambers that were seized, some of the chambers we were able to free to gain access however some we were unable to unseize and will require replacing to complete the surveys.

The chambers that we were unable to access are as follows:

SWMH3 this manhole was identified on the SWMH2 B1 survey as a catchpit. The chamber was located with scan and probe and is buried beneath the vegetation. The condition of the manhole is unknown.

FWMH1 this manhole is seized and will require replacing to allow access to complete a survey on the branch lines. The downstream line from the manhole was surveyed from FWMH2, the condition of the manhole is unknown.

SWMH9 this manhole is seized; the manhole is suspected to be another catchpit but could not be confirmed and will require replacing to identify and complete CCTV and a manhole condition report.

FWMH11 this manhole is seized, all lines to and from the manhole were surveyed from FWMH10, FWMH12 and FWMH13. The manhole condition is unknown and will require replacing to carry out a manhole condition report.

Times

Date	Description	Engineer	Start Time	End Time	Total
17/11/2025	2 MEN JB & BW	Barry Worsley	08:30	16:30	£4,312.50

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SWMH1 B1 HPWJ ☐



SWMH2 SAFE SITE ☐



SWMH3 (BURIED CATCHPIT)
LOCATION ☐



SWMH3 (BURIED CATCHPIT)
LOCATION ☐



SWMH2 B1 - SWMH3 HPWJ ☐



SWMH1 PRE CLEAN ☐



GY6 HPWJ ☐



ACO1 POST CLEAN ☐

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SWMH1 SAFESITE ☐



FWMH2 SAFESITE ☐



SWMH5 RUBBLE REMOVED ☐ FWMH1 SEIZED LOCATION ☐



FWMH1 SEIZED 600 X 600 ☐



FWMH1 DEFECT SEIZED ☐



SWMH3 LOCATED ☐



SWMH5 SAFESITE ☐

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SWMH5 RUBBLE



ACO1 PRE CLEAN



SWMH1 POST CLEAN



FWMH5 B2 HPWJ UNBLOCK



FWMH5 BLOCKAGE



FWMH5 B2 HPWJ UNBLOCK

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ACO1 / GY6 HPWJ UNBLOCK



ACO1 POST CLEAN



FWMH5 RAGS CAUSING BLOCKAGE



FWMH5 POST CLEAN



FWMH1 LOCATION



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