

SUPPLEMENTARY CCTV CAMERA INSPECTION REPORT

I would like to take this opportunity to thank you for your instruction to carry out specific works at the above address. Our findings and recommendations are included in this report together with a video file of the survey.

SURVEY GUIDELINES

The following report lists our findings. This is based on all the surveyed drainage runs at the above property be it a single run or a complete system.

The following report also includes a quotation for any remedial works should they be necessary. **Any estimate included in this report is valid for 3 months.**

This information is completely impartial and is designed to assist our clients in making an informed decision on any repair or maintenance works that may be required.

We have been asked to quote from a competitor's report. We cannot guarantee that the findings from the report will match finding onsite, as some camera systems unless routinely calibrated may give off different measurements when carrying out inspection works. In this case we may need to adjust some pricings from site if the information supplied is found to not be correct.

Conclusion

Below are the recommendations supplied by Drain Doctor, we will quote on the recommendations as best as possible. Please note we have only estimated the prices as no site visit or video files have been supplied of the defect lines.

It may be that we will need to carry out a further inspection at a cost of £139 plus vat to make sure the recommendations below are correct and necessary.

Recommendations,

Section 1, Line appears to be disused, fine roots entering through the joint at 0.19m & a medium open joint at 1.82m. **Cost to seal line with 2 x 100mm epoxy patch repairs would be £700 plus vat.**

Section 2, Line is capped off at the rest bend, medium displaced joint found at 0.30m. **No works needed.**

Section 3, Line is capped off at the rest bend, medium displaced joint found at 1.29m. **No works needed.**

Section 4, Medium displaced joint at 0.46, Water level is up to 40% in TL384523BA. **Cost of repair would be £350 plus vat.**

Section 5, Medium open joint at 0.46m & a medium displaced joint at 0.61. **Cost of repair would be £350 plus vat.**

Section 6, Medium open & displaced joint at 1.29.

Section 7, Starting water level is 50% & the camera was under water from 0.23m to 1.29m, medium open joint at 1.48m, medium open & displaced joint at 2.85m & 20% hard deposits at 2.93. **Cost to install 2 x epoxy patch repairs and carry out descaling works would be £860 plus vat.**

Section 8, Medium displaced joint at 1.41m. **Cost of repair would be £350 plus vat.**

Section 9, Large open & displaced joint at 1.60m. **Cost of repair would be £350 plus vat.**

Section 10, Starting water level is 40% which increases up to 60% & back flowing was observed. **Section 11**, Large open & displaced joint at 1.52m. **Cost of repair would be £350 plus vat this is for a patch repair only.**

Section 12, Medium open joint at 1.71m. **Cost of repair would be £350 plus vat.**

Section 13, Starting water level was 30%, increasing up to 100% with the camera under water from 0.46m to 10.72m. Recommend for a routine clean to maintain flow. **Cost to excavate and replace would outweigh the benefits. Cost of works would be £130 plus vat per hour.**^[AC1]

Section 14, This line appears to be disused. **No works needed.**

Section 15, Starting water level was 70%, loss of vision with the camera underwater at 3.65m to 6.08m. **Cost to excavate and replace would outweigh the benefits. Cost of works would be £130 plus vat per hour.**^[AC2]

Section 16, Circumferential fracture at 1.63m, unknown as to whether this line is in use. **Cost of repair would be £350 plus vat.**

Section 17, This line is capped off at the rest bend. Longitudinal fracture at 0.61m to 1.25m, circumferential fracture at 1.10m & spiral fracture at 1.79m. **No works needed.**

Section 18, This line is capped off at the rest bend. Medium displaced & open joint at 1.63m. **No works needed.**

Section 19, Displaced joint at 2.51m, water level holding at up to 25% at 2.70m. **Cost of repair would be £350 plus vat.**

Section 20, This run has a full-length liner, however, this is holding water up to 70% in parts & there was a loss of vision at 10.45m to 11.25m. **Cost of liner would be £980 plus vat.**

Section 21, No issues found. **Section 22**, **No issues found.**

Section 23, **No issues found.**

Section 24, Fine settled deposits (silt) throughout the line from 0.87m to 11.10m. **Cost to descale would be £160 plus vat.**

Section 25, Fine settled deposits (silt) at 4.48m, displaced joints at 4.60m, 6.23m & 6.57m. **Cost to install 3 x epoxy patch repairs and carry out descale would be £1,210 plus vat.**

Section 26, Fine settled deposits (silt) from 0.65m to 2.13m, Longitudinal & spiral fracture at 2.28, circumferential fracture at 6.08m, medium displaced joint at 7.87, circumferential fracture at 10.91 with fine roots entering through the fracture, fine roots at 17.86m, 20% root mass at 18.05m, circumferential crack at 18.43m, Fine settled deposits (silt) from 18.43m to 20.41m, Fine settled deposits (silt) at 24.21m to 25.92m, Fine settled deposits (silt) at 26.41m to 29.15m, Fine settled deposits (silt) 20% at 29.15m to 30.51m. This run also has a liner installed from 18.66m to 30.51m. **To carry out descaling and jetting's works to clean line would be £650 plus vat. To then install a liner downstream for a distance of around 19m and seal the new liner to the existing line with an epoxy patch repair would be £2,725 plus vat.**

Please note that parking will need to be arranged prior to any works being carried out at this site.

Guarantee

Please note that all repairs/works come with a 10-year guarantee.

Due to the nature of the underground works, it will not be possible to state that we will not find further damage once the works commence. If this occurs, then we will make all effort to keep any further works to a minimal cost and seek the appropriate approval before carrying out any further remedial works.

Please note that appropriate access to water, parking and electricity may be required at site to carry out any repair works.

Post works video are supplied on all repair works as standard.

Regards

Alan Hobbs Drain 365 Ltd

Please feel free to leave a review.

<https://goo.gl/maps/mNCBxHysMN12>

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