

	Work Instruction	W0016
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Work instruction:	Date Raised
CCTV Survey	18/06/2012

Work Description
CCTV camera investigation of underground drainage system
Instruction
<ol style="list-style-type: none"> 1. Refer to W0001 & W0002. 2. Any unattended MH chambers must always be cordoned off with rigid barriers. 3. Make sure camera is focused using focusing tools which may need to be added. 4. Once the CCTV equipment is set up and in position and you have identified the reported nature of the problem, establish access point to the drainage system. The drainage system may be accessed via manholes, gullies or break-in, using either the main push rod or plumbers reel camera systems. 5. Photos must be taken of manholes and invert depths recorded. 6. Any damage occurring as a result of the break-in or obtaining access via manhole, you must inform the office. 7. Commence surveying relevant lines. The cctv survey must be clearly detailed with the video header, address, job number, line 1, from, to, material, dia, depth, size. Stills to be taken at each relevant defect. 8. The drain should be free from obstructions and generally clean before the recording of the CCTV inspection is carried out. This may require the drains to be cleared using high pressure water jetting. (Refer to W0005) 9. Survey each line at a smooth speed for good quality picture/video. 10. If drains are blocked or debris is encountered rodding or high pressure jetting is required. 11. At the end of each line re-name the file with the job number and each line number, ie: 30000.01.001 30000.01.002 30000.01.003 this will ease matters when uploading and filing at the office. 12. Once all of the necessary footage of the drainage system has been gathered, complete the codes for chainage on your paperwork in accordance with the Drain Repair Book edition 3 'Appendix A coding system for drain inspection'. 13. If a drain line can only be part surveyed, try to survey back up from the other end to complete the line. If no access to do so, then a break-in may be necessary. Alternatively, you may Sonde and mark the point for recommendations. Depth reading will be required. Refer to W0018 CAT / Radio detection. 14. SVP, WG any rest / 90-degree bends must always be surveyed ensuring the camera comes up and around the bend to see the vertical section or base of WC. 15. Camera reel to be cleaned after use using blue tissue roll supplied and any area worked on to be washed down. 16. Check all MH lids are replaced and secure before leaving site. 17. Ensure sufficient number of photos are taken.
Responsibilities
Drainage Investigation, Site Investigation and Drainage Repair Engineers
Key Objectives
To identify presence of defects and likely cause All in accordance with WRc – The Drain Repair Book – 4th Edition, best practice manual for the inspection and repair of domestic and light industrial drains