

- iv. Date of survey.
 - v. Road name/location.
 - vi. Direction of survey.
 - vii. Time of start of survey.
- L. The size and position of the data display shall be such as not to interfere with the main subject of the picture.
- M. Correct adjustment of the survey equipment shall be demonstrated by use of the test tape or other device approved by the Engineer. Satisfactory performance of the survey equipment shall then be demonstrated by the recording of the appropriate test device at the commencement of each day for a minimum period of 30 seconds. The test device to be supplied by the Contractor.
- N. All recording material shall be supplied by the Contractor and shall be best quality high grade new and unused prior to recording.
- O. Deflection measurements for flexible pipes shall be undertaken using a suitable mechanised device for gauging pipe deflections to the approval of the Engineer. Devices for gauging pipe deflections shall be maintained in good working order and calibration certificates shall be submitted before every period of use.
- i. Diametric dimensional measurement of the pipe, both vertically and horizontally, shall be made and recorded 100mm either side of a pipe joint and at the mid point between pipe joints. Each deflection measurement taken along the length of the pipeline shall be identified and recorded and a continuous print out of the results shall be provided.
 - ii. Accuracy of measurement for the device for measuring vertical and horizontal diameters of deflected pipes should be according to respective international standards.

28.3.6 Survey Data

- A. The Contractor shall enter the information obtained from the survey into a computer database in accordance with the WRC manual of sewer classification which shall allow for the storage, retrieval and analysis of this information. Furthermore the database shall link the survey information with an electronic drawing of the pipeline which shall allow the viewing of still images representative of the major problems identified by the survey.
- B. The Contractor shall supply 4 copies of the pipeline condition survey report including quality control checking within 4 weeks from completion of the survey.
- C. The Contractor shall supply 2 copies of each recording in CD format
- D. The condition survey report shall include the following: