

- A. Valve boxes shall be bedded in cement sand mortar on a concrete or concrete block chamber and shall be flush with the surrounding surface.
- B. Valve chambers shall be executed as per Section 02607. Block chambers shall have in-situ concrete bases to the Engineer requirements. Blocks shall be laid in stretcher bond. Beds and vertical joints shall be completely filled with mortar as the blocks are laid and joints shall be flush cut as the work proceeds.
- C. Valve boxes shall be re-set to the correct position if necessary and levelled if any settlement occurs.

26.4.9 Electrical Installations

- A. Electrical installations shall be executed as per relevant Sections in Division 16.

26.4.10 Field Testing

Pipeline Cleaning, Pressure Testing and Inspection

- A. Prior to pressure testing and internal inspection the completed pipeline, including chambers and other connected structures, shall be cleaned to remove any loose material or construction debris. This shall be carried out by flushing and/or swabbing in non-man entry situations, and by manual cleaning in man entry situations. Removed material shall be collected and properly disposed of to an approved location.

All pipelines shall be pressure-tested and internally inspected before being commissioned. In man-entry pipelines the inspection shall be carried out manually. In non-man entry pipelines the inspection shall be carried using CCTV. In both cases the inspection shall be carried out as directed by the Engineer to check whether:

- There is any construction debris remaining in the pipeline
- There is any infiltration from groundwater
- There is any physical damage to the pipes
- Any joint gaskets are displaced

If any defects are found they shall be rectified as directed by the Engineer.

Pressure pipelines (rising mains) shall be tested in accordance with BS EN 805, using clean water as the test liquid. The test pressure is described in BS EN 805.