STANDARD REQUIREMENTS FOR SEALING OF SEWER CONNECTION, ABANDONED SEWERS, MANHOLES AND PUMPING MAINS

a) QP is required to check and confirm that there are no other lateral connections to the sewers/common sanitary drainlines / drainlines which are to be abandoned. The QP shall submit a plan to PUB, Water Reclamation (Network) Department (WRN) showing the point of sewer connection to be sealed for approval;

b) The proposed abandoned sewer shall not be sealed off until the new sewer has been completely inspected and certified fit for use and the flow diversion work is completed. PUB (WRN)’s approval shall be obtained before carrying out the sealing works;

c) QP shall arrange with PUB’s Network Management Branch (NMB) (Tel No.: 62894013, Fax no.: 62840383) to witness the sealing/grouting work. No demolition or grouting of abandoned sewers/pumping mains/inspection chambers/manholes or other sewerage facilities shall be carried out without PUB’s approval;

d) Where existing manholes/inspection chambers are to be abandoned, all openings, including those of backdrops/tumbling bays, shall be sealed water-tight with 225mm thick brickworks and rendered with cement mortar;

e) The top 600mm of the abandoned inspection chambers/manholes below ground shall be demolished and the abandoned inspection chambers/manholes shall be completely filled up with well compacted approved soil;

f) The frames and covers of abandoned inspection chambers/manholes are to be removed;

g) All abandoned sewers/pumping mains of diameter 300 mm and above shall be filled/grouted with cement grout or approved materials. Alternate to grouting, the abandoned sewers/pumping mains shall be removed off the site if necessary;

h) The upstream (inlet) and downstream (outlet) ends of the abandoned sewer connection line, drainlines and/or sewers/pumping mains of all diameters shall be sealed water-tight with 225mm thick brickworks and rendered with cement mortar.

i) The Developer / QP is required to reflect the actual manner of abandoning the sewers / pipes and manholes / chambers in the as built drawings, including indicating the locations of all watertight seals and submit the drawing to PUB (WRN).

j) Precautionary measures are to be taken to prevent cement grout from entering the sewers which would still be in use;
k) The safety procedures/requirements for working in a confined space are to be complied with.