

**GENERAL SPECIFICATION  
FOR CIVIL ENGINEERING WORKS**

**2006 Edition**

**AMENDMENT NO. 2/2011 (August)**

**VOLUME 1**

**SECTION 5 DRAINAGE WORKS**

(a) Clause 5.77

**Replace the sub-clause (1) to (3) with following:-**

(1) If the top of a pipe or culvert, or the bottom of a manhole, chamber or gully, which is to be abandoned is 1 m or less below the finished ground level (for a pipe, culvert, manhole, chamber or gully underneath or within carriageways, the corresponding depth should be increased to 1.2 m), the abandoned pipe, culvert, manhole, chamber or gully shall be removed and disposed of unless otherwise permitted by the Engineer. The void shall be filled with foam concrete, granular fill material or special fill material (or recycled aggregates proposed by the Contractor) as directed by the Engineer.

(2) If the top of a pipe or culvert, or the bottom of a manhole, chamber or gully, which is to be abandoned is more than 1 m below the finished ground level (for a pipe, culvert, manhole, chamber or gully underneath or within carriageways, the corresponding depth should be increased to 1.2 m), the abandoned pipe, culvert, manhole, chamber or gully shall be filled with foam concrete or grout as stated in Clause 5.35.

(3) Manholes, chambers and gullies that are to be abandoned shall be demolished to at least 1 m below the finished ground level (for manholes, chambers and gullies underneath or within carriageways, the corresponding depth should be increased to at least 1.2 m) unless otherwise stated in the Contract. Abandoned pipes, culverts, manholes, chambers and gullies shall be filled with foam concrete or grout, by pumping or by gravity. The lowest point of the abandoned pipes shall be sealed with concrete, bricks or by other methods approved by the Engineer. Filling shall start from the lowest point and shall continue until all voids

are completely filled.

**Quality Management & Standards Unit  
Civil Engineering and Development Department  
3 August 2011**