



1. The planning, design and construction of sewers shall be in accordance with Sewers Sector Guidance (SSG) a design and construction guide for developers.
2. The minimum size of sewer shall be 375mm diameter. Large pipes, safety chains, or other safety devices are required in manholes shall be 375mm diameter.
3. All type A & B manholes should have a concrete surround. Concrete rings shall be sealed using 'tekstipr' and filling eyes painted in resin modified mortar.
4. Compliance with health & safety matters on any trench/shafts is obligatory and a permit to enter a confined space is required when connecting side drains to the existing public sewerage system. A permit to enter the sewer must be obtained from SWWU Ltd prior to the works commencing on any public sewerage system.
5. Where the proposed site drainage connects to the public sewerage system either by new form junction, new manhole or at an existing manhole, it will require the submission of an application for a new manhole or manhole extension to SWWU Ltd.
6. MH covers and frames shall be ductile iron with a minimum square opening of 675x675mm. Covers shall be double trunnion for 675mm square openings and be provided with holes bored concentric. Frame depth shall be 150mm. Covers to PPGC shall be in compliance with SSG. Covers shall be provided with a permit to enter SWWU Ltd.
7. The use of ladders or steps in manholes, wet wells and valve chambers shall accompany with the following standard specified: encapsulated MH single steps shall be not used in MHS of a greater depth than 1.0m. Steel plate encapsulated double steps may be provided in MHS up to 3.0m deep. Encapsulated ladders shall be provided in MHS between 3.0m & 6.0m deep. 3.0m & 6.0m deep MHS greater than 6.0m deep shall be specially designed and have intermediate landings. Access holes in intermediate landings shall be provided with galvanneal mild steel gratings to prevent persons falling through. The design of deep manholes shall permit the use of a winch or lifting gear mounted at ground level in case of emergencies.
8. Only for carbon steel or stainless-steel ladders for vertical lifting to manholes will be acceptable.
9. Proposed adoptable sewers are only permitted to have other sewerage connections and other services laid at an angle between 45 degrees and 90 degrees across the line with a vertical offset of no more than 300mm.
10. All ironwork to be knitted marked by BS1 or certified by independent inspection authority.
11. Red coloured plastic marker tape at least 150mm wide shall be laid at a minimum of 200mm above the soffit of the pipe. The tape shall be printed with the words 'gravelly sewer' in bold capital letters. The length of the tape shall be 1000mm and shall incorporate a corrosion resistant tracing system for non-metallic pipes.
12. Minimum backstop height shall be 1m.
13. On new drainage schemes, the first manhole upstream from the connection to the existing foul sewer shall be fitted with a suitable screen, which will remain in place until the new sewer becomes live.

Legend

- Site boundary
 Phase 1 boundary
 Phase 2 boundary
 Phase 3 boundary

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PROJECT NUMBER	DRAWING NUMBER	REVISION
1960	2511	TA4