

All fittings shall comply with the requirements of SAA MP52 and shall have AS markings and manufacturer's Licence No. stamped into the fitting.

17.01.04 Pipework Support

Brackets for all pipe supports shall be 'Unistrut' with threaded rod hangers and appropriate saddles or stand-off 'Abbey' clips.

17.02 Sewer Drainage

17.02.01 Materials

Materials shall be uPVC pipes and fittings with solvent welded joints or HDPE for trade waste requirements.

17.02.02 Inspection Chambers

Inspection chambers shall be installed in accordance with Local Authority requirements.

Gas tight chamber covers stamped 'SAN' shall be used throughout and shall generally be 'Gatic' light duty covers except in roadways where medium duty covers shall be used. Brass edged covers shall be used when chambers occur in particular floor or paving finishes. All covers must be compatible with 'Gatic' lifters.

All chambers over 1200mm in depth shall have hot dipped galvanised step irons or ladder.

Tops of chambers in landscaped areas shall be installed 100mm above landscaped levels to the same gradients as the landscape.

Chambers in forest areas shall be locatable by means of a white painted 50 x 175 concrete identification post 600mm high above ground with the top 100mm painted black.

17.02.03 Inspection Openings & Floor Wastes

All inspection openings shall be brought to finished ground level and capped with a screwed brass cap.

	to be mounted on the bowl of the lower unit (Refer Section 15.00)
Drinking Fountain (external)	'Street & Garden Furniture Co.' FL001 with galvanised finish.
Bottle Filler	Modified 'Zip Chill Fountain CFB140FWC' with fixed gooseneck spout in lieu of bubbler (Refer Section 15.00)
Kitchenette & Tea Prep Sinks	'Clark Model 3007' double bowl drainer flushline sink unit to kitchenettes, 'Clark Model 1003' single bowl single drainer flushline sink unit to tea preparation stations (Refer Section 15.00 for chilled / boiling water units).

17.04.02 Laboratory Sinks

Unless otherwise stated in the SDFs, single bowl laboratory sinks shall have a centre bowl 600 x 450 x 350mm deep and double bowl laboratory sinks shall each be 450 x 450 x 350mm deep, all with draining boards and a 350mm high integral splashback.

Toilets

17.06.05 Installation of Waterless Urinals

The design for the installation of waterless urinals shall satisfy the requirements of AS/NZS 3500.0:2003 Part 2 to eliminate or minimise the build up of Struvite deposits in waste pipes or drains. A minimum of two fixtures generating water waste e.g. hand basins, shall be connected

shall have their own hot water system which shall not be less than 315 litre capacity

