

① Solid Pipe

A soil pipe is for solid waste. The type of pipe will carry water and solid into the sewer. While any pipe could physically perform the task, the soil pipe also known as soil vent pipe as installed as in most homes as a specific quality. It is of a dimension allow solid waste to pass. Second it is vented in a very specific way to maintain a safe environment and reduce odour.

Anti-syphon pipe

An extra pipe connected to the outlet of the toilet seats of all the floors. The other end of which is exposed to atmosphere which is called antisiphonage pipe. These are provided to maintain water seal so that foul gases of the sewer line do not find entry into the toilet / bathrooms.

(2)

(2) Sanitary fixtures and Traps

In plumbing a trap is a device shaped with bending pipe path to retain fluid to prevent sewer gases from entering building while allowing waste material to pass through. In oil refineries, traps are used to prevent hydrocarbons and other dangerous gases and chemical fumes from escaping through drains.

In domestic applications traps are typically U-shaped or J-shaped pipe located below or within a plumbing fixture. An S-shaped trap is also known as an U-bend. Following the introduction of U-shaped trap, the U-bend could not jam. So unlike the S-bend, it did not need an overflow.

The most common of this traps is referred to as a P-trap. It is the addition of a 90 degree fitting on the outlet side of a U-bend,

thereby creating a P-like shape (oriented horizontally). It is also referred to as a sink trap b/c it is installed under most sinks.

(3) Cross Connection

A cross connection is any temporary or permanent connection b/w a public water system or consumer for potable (i.e. drinking) water system and a source or system connecting non-potable water or other substances. An example is the piping

1. A public water system or consumer potable

(3)

Water system, Cooling system or irrigation system.

Back - Siphonage Control

Back Siphonage is backflow caused by a negative pressure in a public water system. The effect is similar to drinking water through a straw.

A backflow prevention device is used to protect potable water supplies from contamination or pollution systems. Water is normally maintained at a significant pressure to enable water to flow from the tap, shower, or the other fixture.