

SYED JAWAD

7386

WASTE WATER

ASSIGNMENT - 2

## SOIL PIPES:

As Already mentioned, a Soil Pipe is for Soiled water. This type of pipe will carry water and solids into the sewer. While any pipe could easily perform the task, the Soil pipe also known as Soil vent pipe, as installed in most homes has a specific quality. First it is of a dimension to allow Solid waste to pass. Second it's verified in a very specific way to maintain a safe environment and reduce ~~odors~~ odours. Soil pipes are vented high at the top to near to the top of the building thanks to Soil Pipe Stacks, to allow gasses produced by waste to vent safely into the atmosphere.

## ANTI-SYPHON PIPE:-

An Extra pipe connected to the outlets of toilet seats of all the floors, the other end of which is exposed to Atmosphere is called Anti-Syphon pipe. This difference of air pressure causes the water seal in the toilet seat to get sucked out into the pipe.

These are provided to maintain water seal so that foul gasses of the sewer line do not find entry into the toilet / bathrooms.

If we look into a toilet seat we find some water at the bottom, which remains after the flushing. The seats are designed with a trap so that the water remains in the seat. The water is maintained to prevent entry of foul gasses from the toilet pipe / Soil pipe / sewer lines into the toilet room.

### SANITARY FIXTURES:-

A receptacle for industrial and fecal sewage that is installed in homes and public and industrial buildings. Sanitary fixtures are installed in different areas. Baths, washstands, showers, sinks, traps, bidets are installed in bathrooms, shower rooms, washrooms.

### TRAPS:-

Traps are designed to restrict the waste water contaminants - such as sludge, debris, oil, soil sand or gravel - but to allow the free flow of water itself. A trap has three basic parts. This pipe or drain is called the inlet and the water that enters through this called influent.

## CROSS - CONNECTION :-

Any Actual or Potential Connection between the waterworks and any source of pollution contamination or other material or substance that could change the quality of water in a drinking water supply.

## BACK SYPHONAGE CONTROL :-

Back Siphonage is the reversal of normal flow in a system caused by negative pressure (vacuum or partial vacuum) in the supply piping.