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Subject waste water
Engineering.

Date 2-7-2020.

Assignment = 2.

Briefly describe The following.

Soil pipes :-

Soil pipes are made of copper or the plastic PVC and acrylonitrile butadiene styrene (ABS).

It is a type of pipe that conveys sewage or waste water reliably, either from the toilet or sink to a soil drain or sewer.

Needless to say, there are many pipes within our homes that carry water. but there are just as many that carry waste from your property.

Soil pipes are relatively straight forward. These pipes are

noticeable on almost all properties, they can be seen running vertically from the underground drainage system up to the top of our property where they reach the roof gutter.

Anti syphon pipe

It is 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 in the pipe. These are provided to maintain water seal so that foul gases of the sewer line don't find entry into the toilet.

2 Sanitary fixture.

Sanitary fixtures are used in different places for different purposes. These are linked with water use. Sanitary fixtures are attached to the interior systems of water pipes and sewerage systems and constitute the main elements of a building's sanitary engineering.

These are installed in bathrooms. Like bathtubs, washstands, shower sumps sanitary fixtures are also used in medical institutions, laboratories, barbershop, salons etc.

Sanitary trap: A trap is a device shaped with a bending pipe path to retain fluid to prevent sewer gases from entering buildings while allowing waste material to pass through. These are also used in oil refineries. Traps are used to prevent hydrocarbons and

other dangerous gasses and chemical fumes from escaping through drains

3 Cross connection:

It is 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. In other words it is a point in plumbing system where the potable supply may come in contact with a potential source of contamination.

Back siphonage control.

Back siphonage is one type of back flow. A back siphonage control device is used to protect potable water supplies from

contamination or pollution due to back flow. In water distribution system, water is normally maintained at a significant pressure to enable water to flow from the tap, shower or other fixture