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Assignment ; 02

Submitted to ; Engr - Nadeem

Subject ; Waste - Water  
Engineering

Q1; Soil pipes and anti-syphonic pipe?

Ans; Soil pipes;

Our soil and waste systems are manufactured in the UK by Elopast in one of the Europe's most technologically advanced factories. The result is high quality soil and waste pipes and fittings that are tough and durable yet lightweight and simple to install.

\* Anti-syphonic pipes;

The size of anti-syphonic pipes merits careful consideration, but not hard and fast rule can be laid down.

For a single fitting the area of the anti-syphonic pipe need not be much more than half

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of the waste pipe. as a sewer can't be <sup>x</sup> are not and drain air will therefore pass the antisiphonage pipes connect with them. The main anti siphonage pipe is generally connected to the upper continuation of the waste-pipe above the highest fitting this economises piping, and is quite as effective as conveying it up independently to the same height as the waste pipe vent.

### Question # 02

#### \* Sanitary Fittings;

Sanitary fittings are installed in different areas, Bathtubs, washstands, shower sumps, traps, and bidets are installed in bathrooms washrooms and shower rooms. Toilet bowls, lavatory pans,

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and urinals of various types, whether equipped with flush tanks or traps are installed in lavatories, washers, sinks and drains are installed in kitchens.

### \* Sanitary traps;

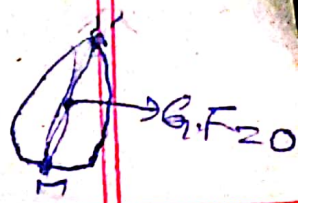
A trap is a device which is used to prevent sewer gases from entering the buildings. The traps are located below or within a plumbing fixture and retains small amount of water. The retaining water creates a water seal which stops foul gases going back to the building from drain pipes.

Therefore all plumbing fixtures such as sinks, washbasins

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bathrooms, and toilets are equipped with traps. This article tells you the features of traps, various types of traps and water seal.

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Question # 03



\* **Cross Connection;**

A connection in a plumbing installation through which water may possibly pass to or come in contact with another part (as a water inlet in a bathtub that may at times be below the water level of the tub).

\* **Back Siphonage Control;**

Back Siphonage is one type of backflow. Back Siphonage - The flowing <sup>to</sup> of used, contaminated or polluted water from a plumbing fixture or vessel into a potable water supply because of negative pressure in the pipe - Branch - Any part of the piping system other than the main, sub or stack.