

**6.3.2 a - Processes to prevent
polluted water entering the
water system
(Efficient infrastructure facility)**

EFFICIENT INFRASTRUCTURE FACILITY

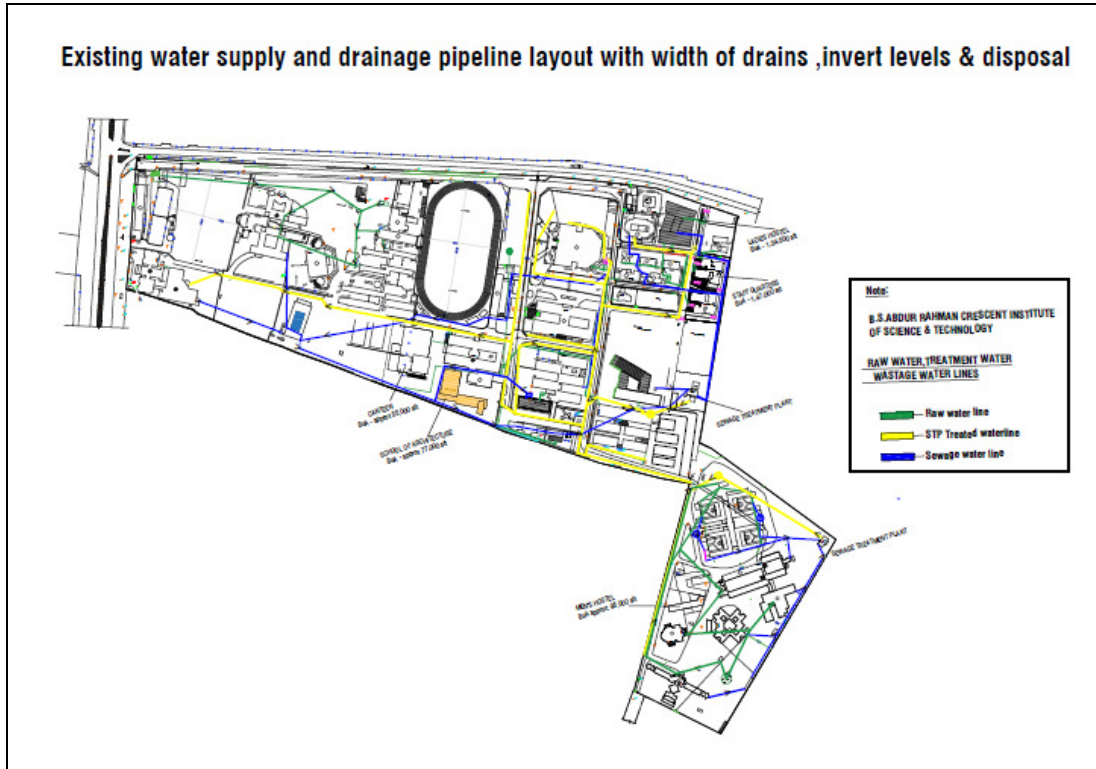
B.S.Abdur Rahman Crescent Institute of Science and Technology have implemented sufficient measures to prevent the polluted water entering the water sources /water pipelines Some of the processes practised and provisions available in the Institute are given below

EFFICIENT INFRASTRUCTURE FACILITY FOR COLLECTION AND TREATMENT OF WATER AND WASTEWATER

In the Institute, the plumbing facility for collection of water from the well and subsequently transporting it for the treatment unit and also for supply has been meticulously planned and implemented. The pipes are laid at a suitable gradient and the water is transported safely . It is also ensured that there is no leakages in the water pipelines through frequent inspection. The water pipes are also subjected to an immediate replacement if there is any problem of breakage has occurred because of any accidents. Similary the wastewater collected from the various locations of the Instituion is conveyed in a separate sewer pipe lines.Sufficient manholes are provided at several junctions to conduct the inspection of the pipelines. The pumps and other valves placed in the sewer pipelines are also checked for its performance and it is maintained properly. The treated wastewater is also transported safely and used for flushing and gardening.

There are separate markings indicated in the plumbing lines for the easy identifications of water and sewer lines. These measures has helped the Institute the manage the wastewater generated in the premises and it is been prevented from entering the water pipelines or any other water sources.

Existing water supply and drainage pipeline layout with width of drains ,invert levels & disposal



LAYOUT OF PIPELINES FOR WATER AND WASTEWATER

The colour indication is given in the pipes for easy identification

Green colour : Raw water from wells

Blue colour : Treated water from STP used for toilet flushing

