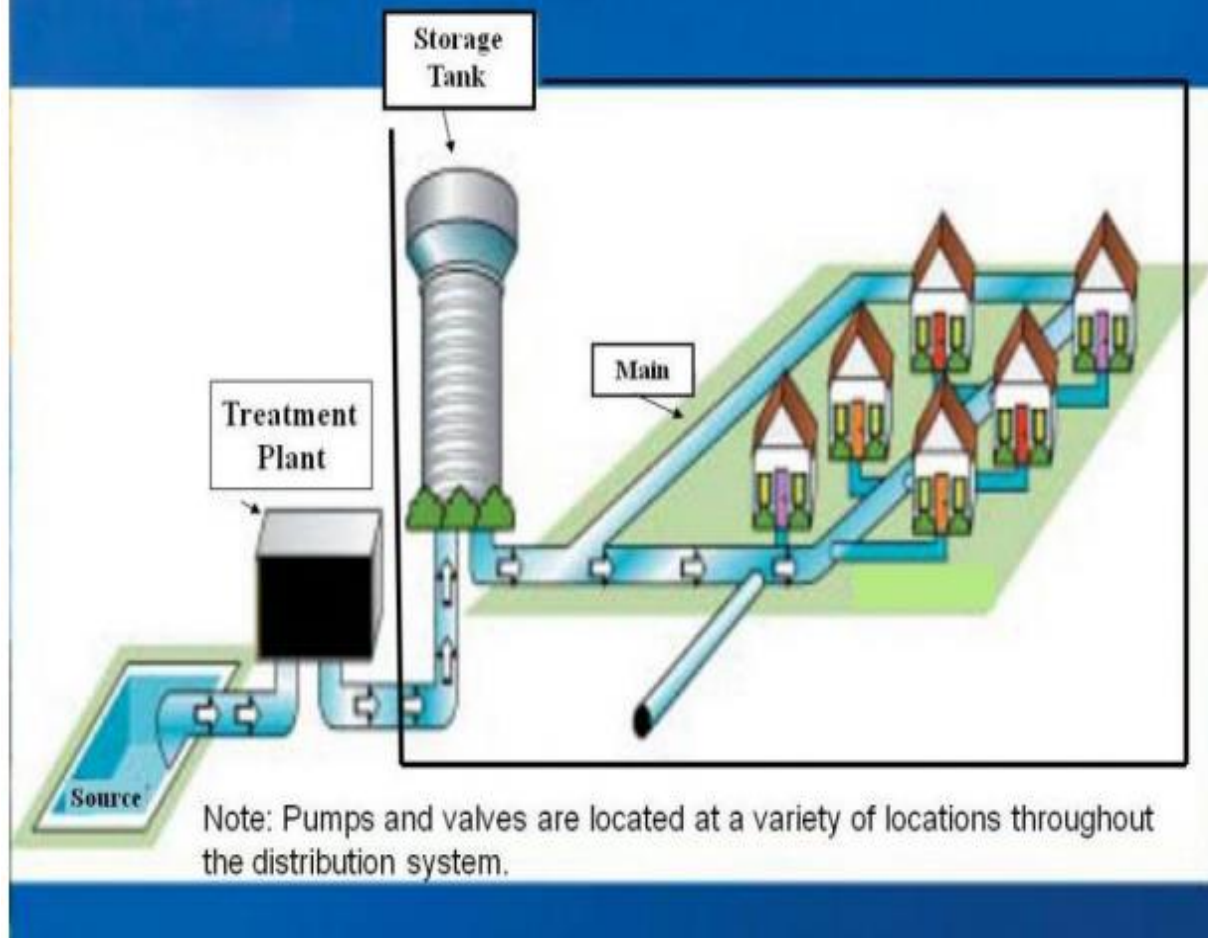


Water Supply Distribution System



XI. Service connection from the mains:

Distribution System for a Building:

Water is conveyed from the street mains to the individual building, and then to the taps and other fixtures. The supply from the main line to the individual is made through the house service connection. It consists of two types:

1. **Communication Pipe:** The pipe which runs from the municipal distribution mains to the boundary of the premises.
2. **Supply Pipe:** The pipe which runs inside the premises is called as supply pipe/consumers pipe.

XII. SYSTEM OF SUPPLY

System of Supply:

- Water supply from the mains to the building is through one of the following system depending on the pressure of the water and timings of the supply.

Direct supply system (upward distribution):

- Supply of water is directly given to various floors with required pressure for sufficient hours.
- This is only useful for the building which is not more than two floors.
- Separate connections to be provided for domestic and non domestic requirement.

Indirect supply system (down take supply):

- Used generally when the pressure in the mains is not sufficient.
- The water is pumped directly to the overhead storage tank and from there the water is supplied to different floors by gravity
- The water is stored in the underground tank and from there water is pumped to the overhead tank and then it is supplied to different floors by gravity.