

## House service connection:

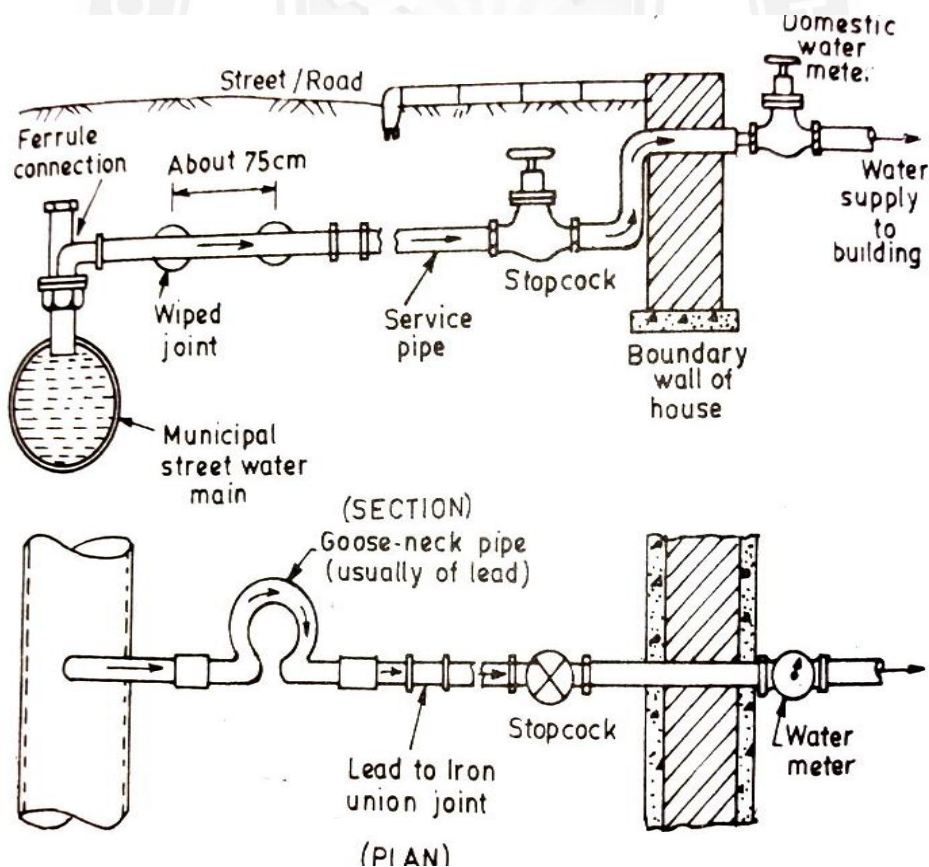
A typical water connection, connecting the service pipe and municipal water main is shown in figure.

**The water connection consists of:**

(a) **Ferrule** - It is a right angle sleeve made of brass or gun metal and is joined to a hole drilled in the water main and is screwed down with a plug. Its size varies between 10 to 50 mm dia.

(b) **Goose neck** - A small size curve pipe made of flexible material usually lead, about 75cm length forming a flexible connection between the water main and the service pipe.

(c) **Service pipe** - Galvanised iron pipe < 50mm dia laid underground in a trench. The service pipe is connected to the municipal main through the goose neck and ferrule.



(d) **Stop cock** - Provided before the water meter in the house. It is housed in a masonry chamber with removable cover and fixed in the street close to the boundary wall.

(e) **Water meter** - Measures/ records the quantity of water consumed in the house. It is connected to service pipes by union joint. It is fixed inside iron box fitted in cavity made in boundary wall of house and covered with movable iron cover.

### Stop cocks

- It is a screw down type sluice valve fitted in small sized ( $< 50\text{mm}$ ) pipes for opening or stopping the supply.
- They are provided at the water entrance of each building or within the building.
- They should be enclosed in cast iron box having a hinged cover. Water passes basis through an orifice when the valve is raised. When the valve is closed, it rests on the seat, thereby closing the orifice.

