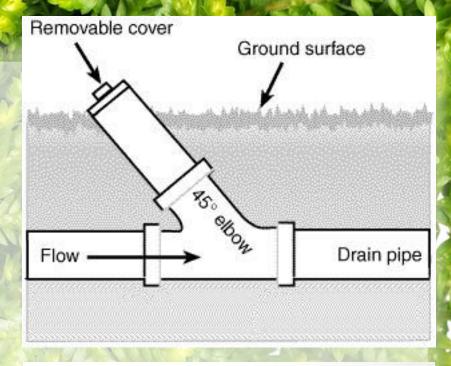




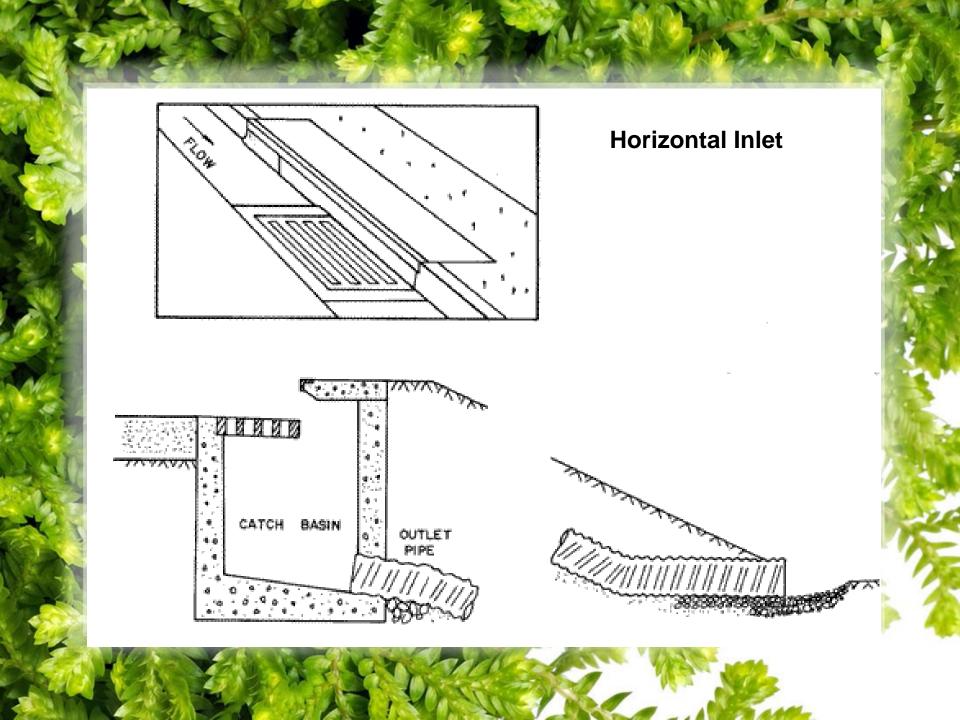
- A clean out is an inclined pipe extending from the ground and connected to the under ground sewer.
- It is used for cleaning sewer pipes.



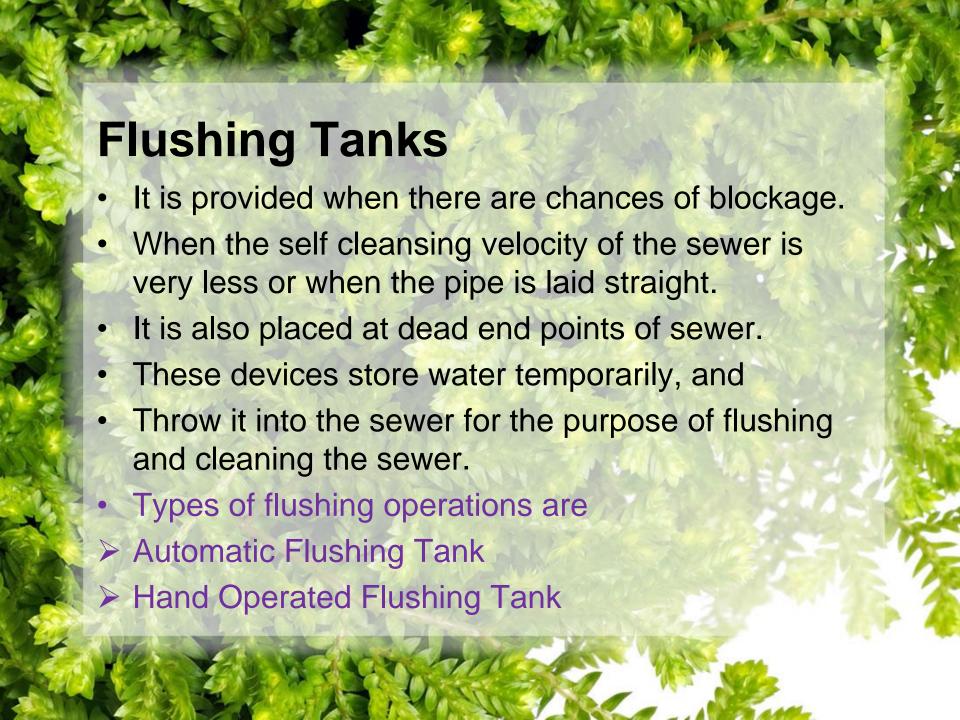


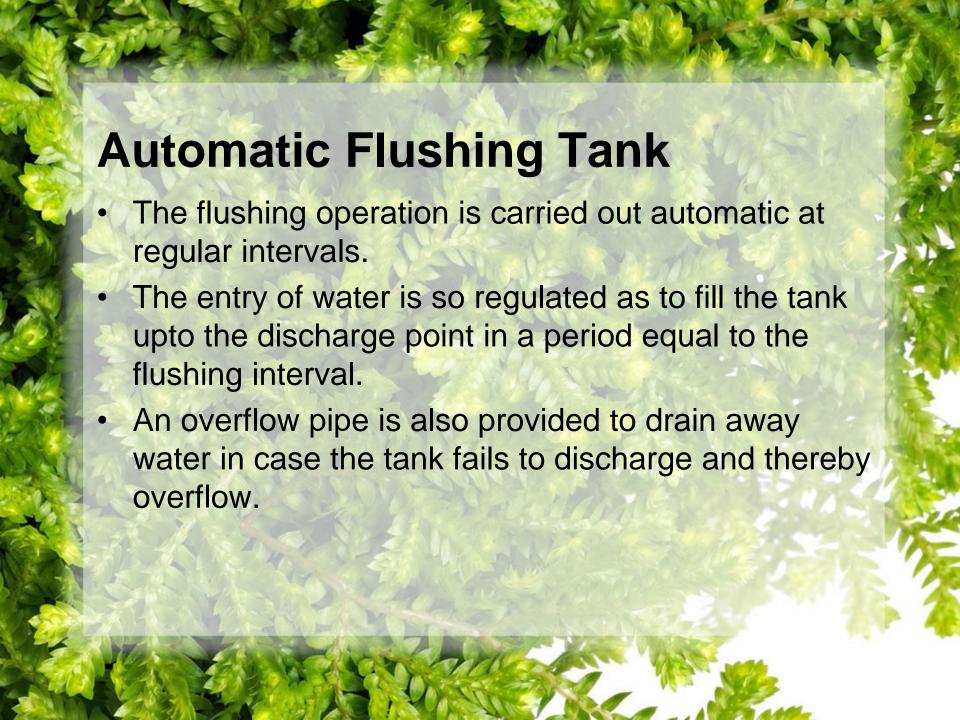
Main Drain

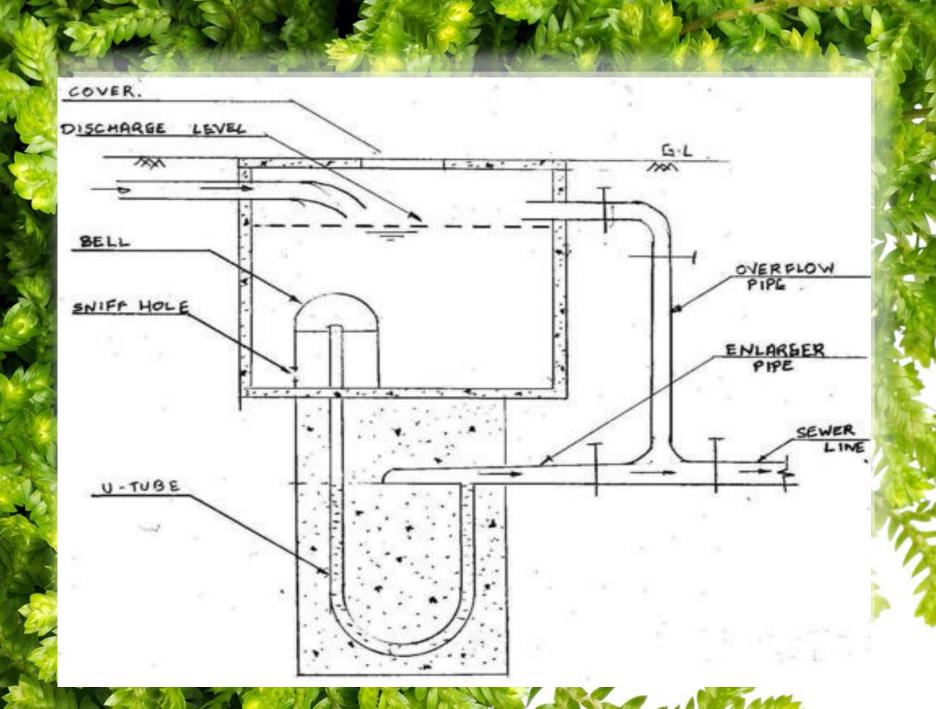




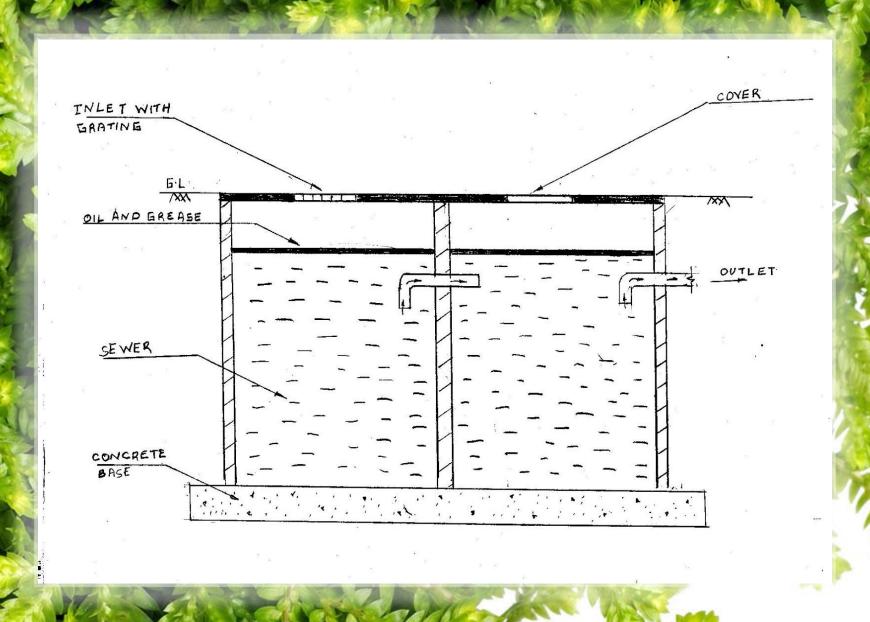






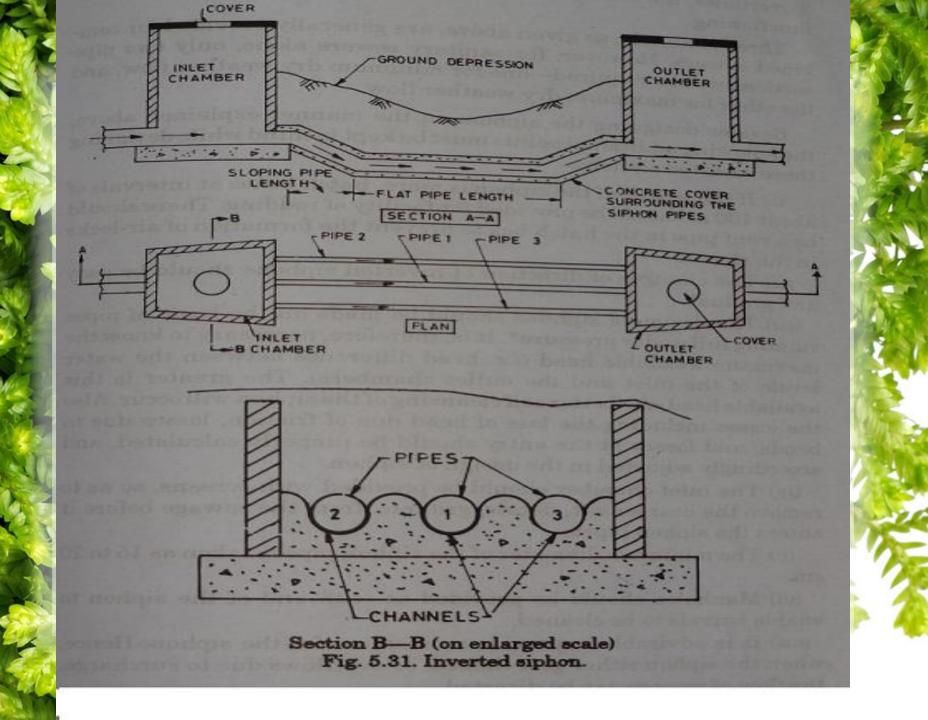


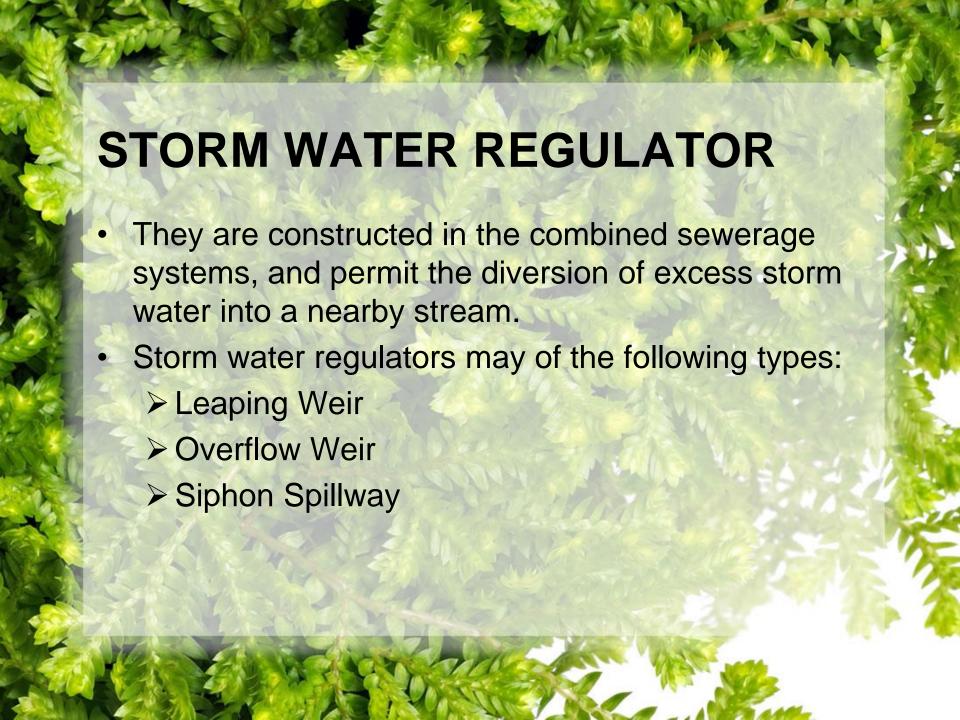










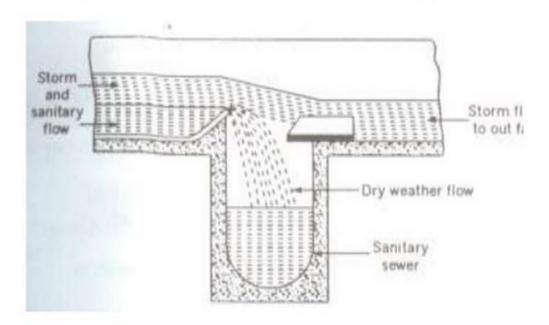


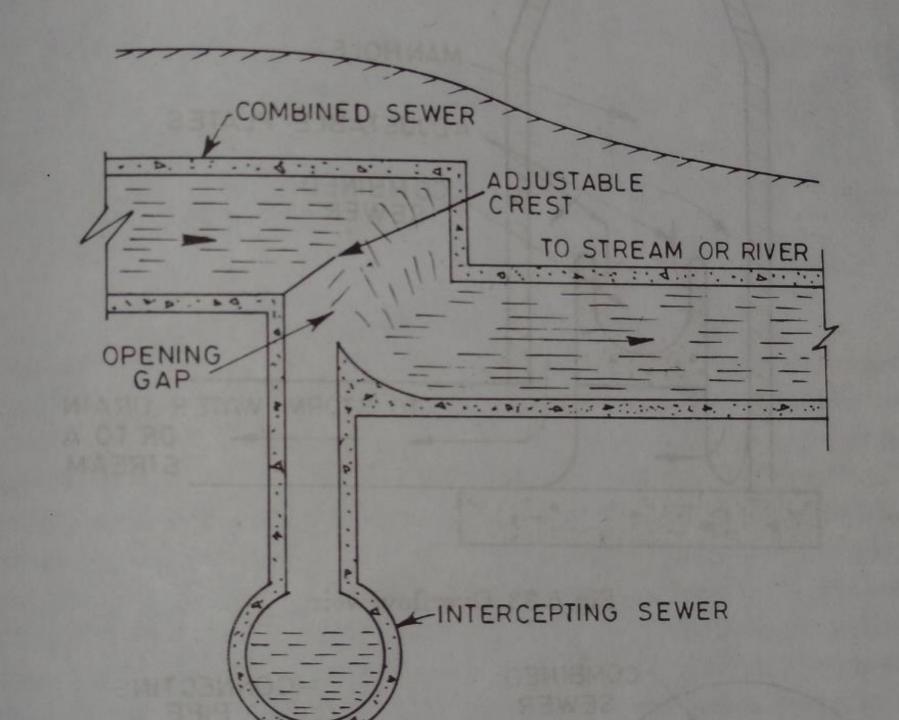
### Leaping weir-

The term leaping weir is used to indicate the gap or opening in the invert of a combined sewer. The intercepting sewer runs at right angles to the combined sewers.

When the discharge is small, the sewage falls directly into the intercepting sewer through the opening. But when a discharge exceeds a certain limit, the excess sewage laps or jumps across the weir and it is carried to natural stream or river.

The leaping weir has no moving parts. A grating may be provided at the gap level to prevent the entry of small stones, debris etc. into the intercepting sewer.

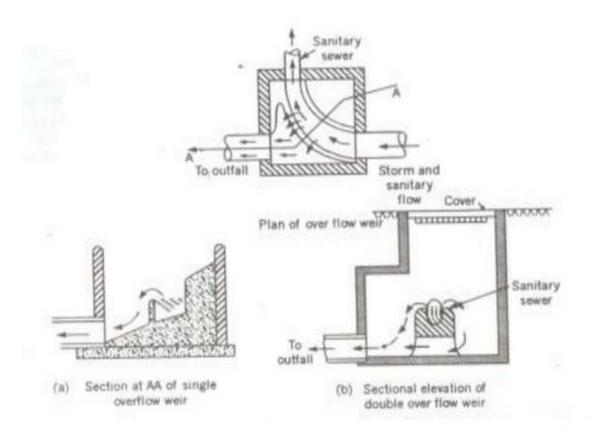




#### Overflow weir-

In this type of arrangement, the excess sewage is allowed to overflow in the channel made in the manhole.

When the quantity of sewage exceeds the capacity of the combined sewer, it overflows and falls into the channels and it is conveyed to the storm water sewer. In order to prevent the escape of floating matter from the combined sewer channel, the adjustable plates, are sometimes provided.



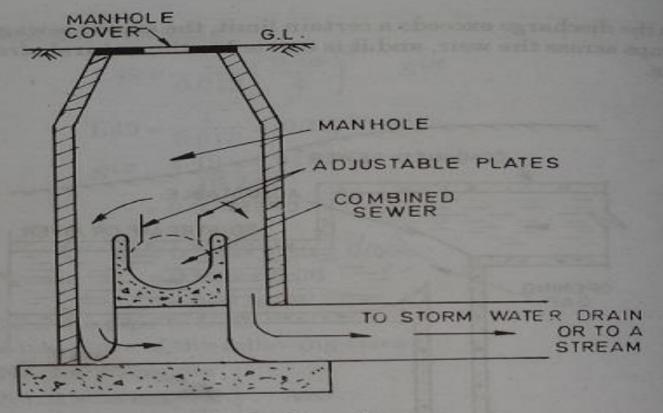


Fig. 5.33. Overflow weir.

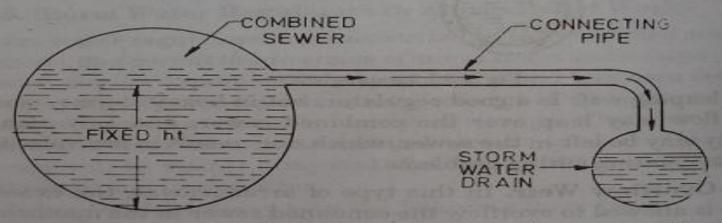
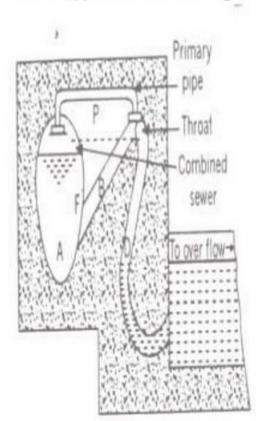
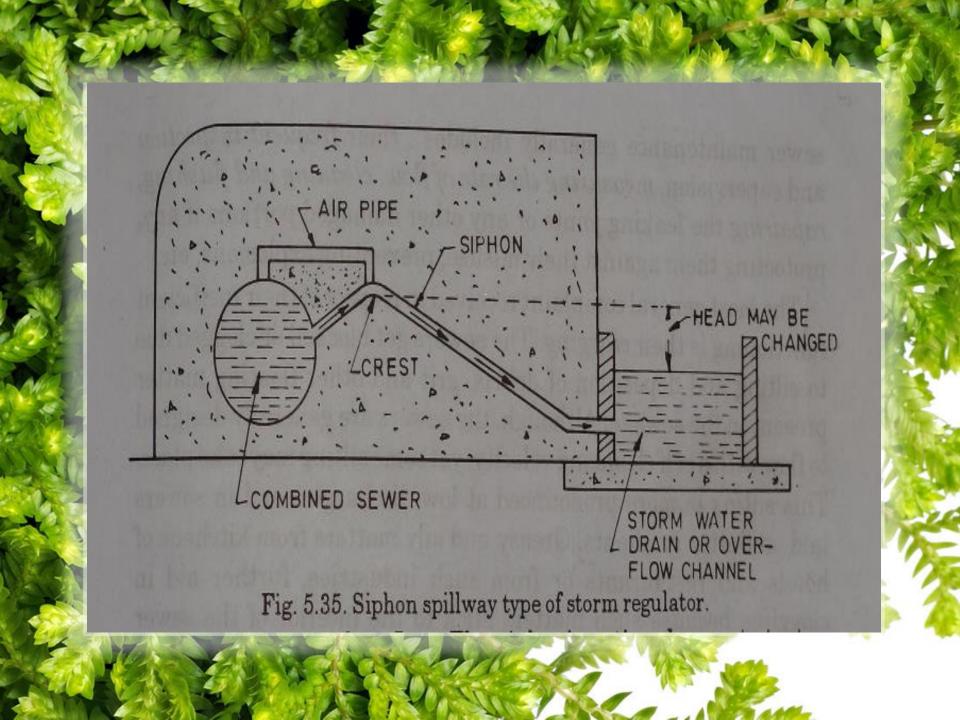


Fig. 5.34. Overflow weir (another type of arrangement).

#### Siphon spillway-

- This arrangement of diverting excess sewage from the combined sewer is the most effective because of following-
- It works on the principle of siphon action and it operates automatically. The rise of sewage in combined sewer is thus controlled in a better way.
- It is automatic in functioning and this is the most effective in all other methods.
- This arrangement has no moving parts and thus low maintenance. However it is likely to be clogged due to narrow passages.









# Thank You

## Kingsoft Office

Make Presentation much more Jun