

SUMMARY

Many basements today are used as game rooms, storage rooms or extra bedrooms. Installing a WaBack on the lateral line from the house provides protection against basement flooding ensuring your property is protected. Water is prevented from flowing back into the house during periods of heavy rain when the sewer mains or combined systems are overloaded. The WaBack can also be used to ensure that water does not return through the storm water outlet during high water levels in the recipient.

PROBLEMS CAUSED BY BACKFLOW IN PIPE SYSTEMS.

A pipe system operates on a pressure differential. There has to be a higher pressure upstream relative to downstream, to enable flow in the wanted direction. The differential is created by either a pump or an elevation change or a combination of the two. If the pressure differential becomes negative there will be a flow in the opposite direction.

CAUSES:

- Heavy rain/snowfall, Storm water systems are dimensioned for normal rain. To dimension a system to handle exceptional rain is in practicality impossible, hence in case of heavy rain or snow the system becomes overloaded.
- High tide in combination with low elevation.
- Pump failure.

PROBLEMS:

- Overflow of basements or even whole areas.