

## Improper Private Lateral Connections to Sanitary Sewer System

Defective private residence laterals or improper connection of drainage facilities contribute flows well in excess of flows expected in the design of sanitary sewer facilities(see Exhibit).

- Stormwater or groundwater from a private lateral defect can contribute up to 7 times the normal peak flow from a residential sewer system.
- Stormwater or groundwater from an improper foundation drain, area drain, sump pump or roof leader connection can contribute up to 25 times the normal peak flow from a residential sewer system.

Sewer pipes and treatment facilities are not sized to handle groundwater or stormwater flows.

Improper Private Lateral Connections consist of:

- Lateral and/or Cleanout defects including missing or open/slotted cleanout lids.
- Connection of Roof Leaders, Foundation Drains, Area Drains or Sump Pumps

***The Pennsylvania Department of Environmental Protection requires that the sources of stormwater and groundwater sources to the sanitary sewer system be eliminated.***

If you have any questions, please contact John Swenson of Carroll Engineering at 215-343-5700 Ext 306.

# Examples of Improper Connections to the Sanitary Sewer System

