

A sand filter is a multi-chamber structure designed to remove pollutants from storm water runoff primarily through filtration with some additional treatment from gravitational settling and adsorption.

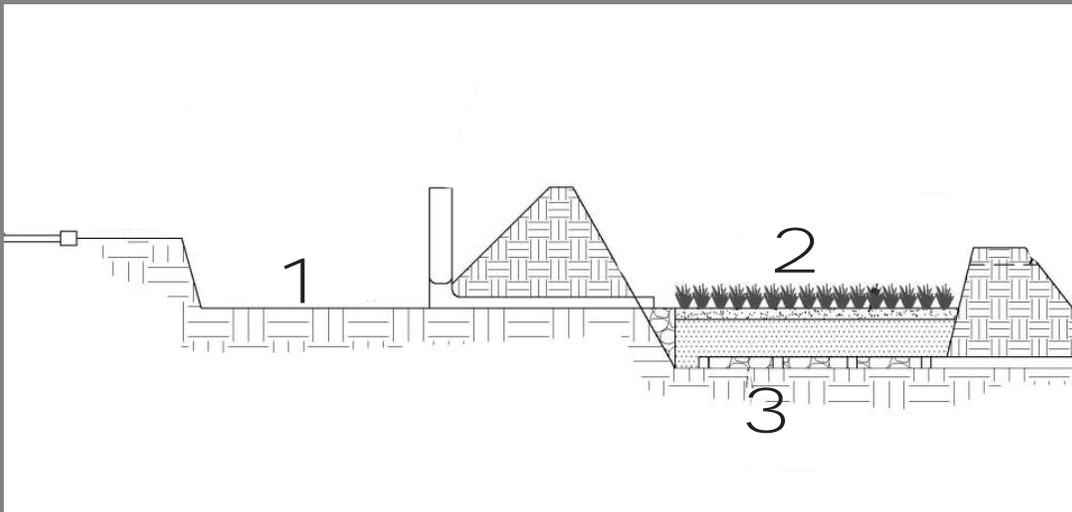
HOW DOES IT WORK?

These filters capture rainfall from storm drains and runoff from rooftops, parking lots, driveways, and other hard surfaces. Most sand filter systems consist of two-chambers. There are three main components of the Sand Filter that help treat storm water:

- 1 The first chamber, the sediment forebay, removes floatables and heavy sediments.
- 2 The second chamber, the filtration chamber, removes additional pollutants and finer sediments by filtering the runoff through a sand bed.
- 3 The filtered runoff is collected by an underdrain and discharged.



SAND FILTER SCHEMATIC



REMEMBER

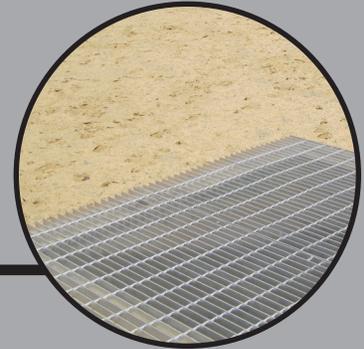
Sand filter systems are designed for intermittent flow and must be allowed to drain and reaerate between rainfall events.

Surface filters can be designed with a grass cover to aid in pollutant removal and prevent clogging.

SAND FILTER MAINTENANCE TASKS AND SCHEDULE



| TASK | SCHEDULE |
|----------------------------------------------|----------------------------|
| Street sweep parking lot | Quarterly |
| Trash removal | Monthly |
| Inspect outlet for obstructions | Monthly |
| Inspect for clogging | Monthly |
| Inspect inlet grates | Monthly |
| Skim sand media | Yearly |
| Pump oil and grit from sedimentation chamber | Yearly or at 50% full |
| Replace sand media | As needed (expect 3 years) |



- Regular inspections, especially after rain events, are important to ensure that the Sand Filter is functioning properly.
- Preventative maintenance will help you avoid costly corrective maintenance and repairs.
- If the Sand Filter is not functioning properly, such as unusual water levels, call 311. An inspector will help you determine what the issue is so repairs can be made.