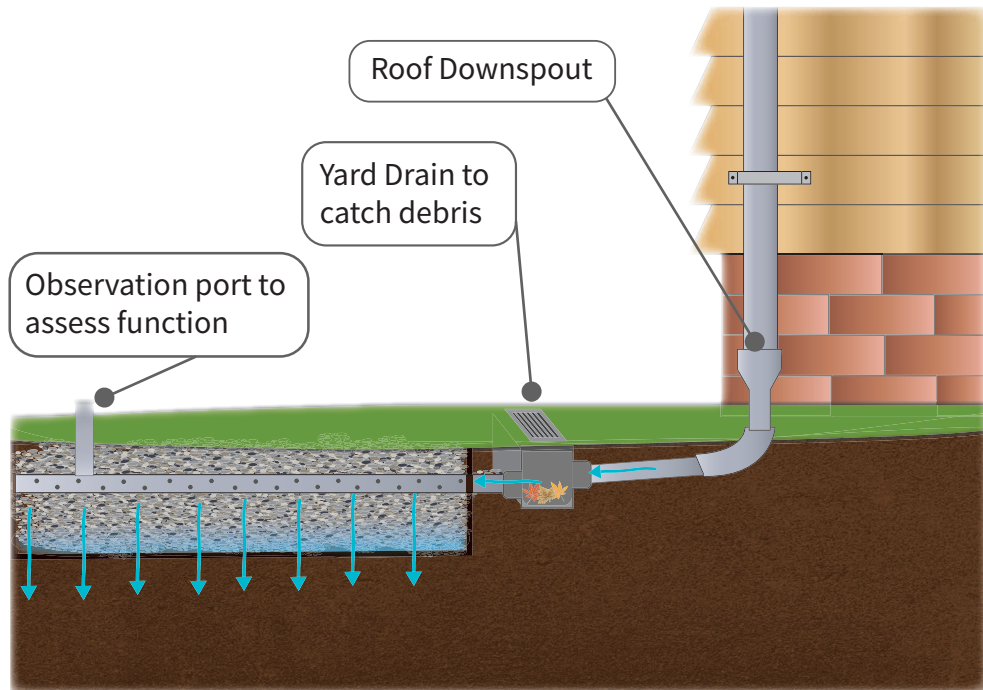


INFILTRATION TRENCH

What is an Infiltration Trench?

An **infiltration trench** is an underground, gravel-filled trench that collects rainwater from your roof downspouts and allows it to soak into the ground.

Infiltration trenches are typically 2-5 feet wide, 2-3 feet deep, and 20-30 feet long. Water from your roof downspouts is directed to a level perforated pipe that allows water to soak into the gravel and into the ground naturally.



How Do You Identify an Infiltration Trench?



Yard drains catch surface flow and help prevent debris from clogging the infiltration trench.



The observation cap allows you to look inside the infiltration trench and determine how fast water is draining.

Who is Responsible for Maintenance?

Property owners in Kirkland are required to maintain their infiltration trench to help prevent clogging and allow rainwater to soak into the ground naturally.

Maintenance also extends the lifespan of your infiltration trench and helps prevent flooding elsewhere on your property.

Below: Keeping your yard drain free of debris extends the lifespan of your infiltration trench.



See reverse side for maintenance information.

INFILTRATION TRENCH MAINTENANCE

Proper maintenance extends the lifespan of the infiltration trench and helps prevent flooding elsewhere on your property.

Every Spring and Fall

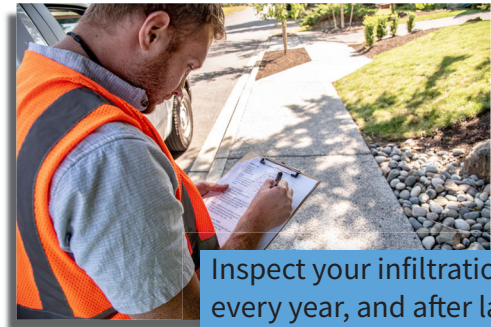
- ✓ Remove leaves and tree debris from roof gutters and yard drains to prevent clogging.
- ✓ Repair any damage to gutters/downspouts caused by winter snow or ice.
- ✓ Check to make sure no trash or debris is clogging the entrance to the infiltration trench and that water is able to flow freely into trench.

As Needed

- ✓ Inform contractors working on your property of the location of the infiltration trench to prevent damage.
- ✓ Do not mow over the plastic observation caps to prevent damage to your lawn mower and to the observation cap.

Caution

- X Do not remove gravel from the infiltration trench.
- X Do not pave over or place decks, sheds, or other structures on top of the infiltration trench.
- X To prevent pollution, do not use pesticides or herbicides to remove weeds from the infiltration trench.



Inspect your infiltration trench every year, and after large storms to make sure it is draining properly.

Troubleshooting

PROBLEM	CAUSE	SOLUTION
⚠ Standing water around the infiltration trench lasts more than 48 hours.	The infiltration trench or underground piping may be clogged.	The gravel or underground piping may need to be cleaned or replaced. Contact a professional drainage vendor for help.
⚠ Rain immediately flows into the overflow pipe at the beginning of a storm.	The dry well or underground piping may be clogged.	The gravel or underground piping may need to be cleaned or replaced. Contact a professional drainage vendor for help.



For more information visit
www.kirklandwa.gov/DrainageInspection