Permeable Pavement
Sturdy and Sustainable

Permeable pavement looks like ordinary pavement, and provides environmental benefits by soaking up (infiltrating) and cleaning stormwater runoff. It is just as strong as conventional pavement. When properly installed and maintained, permeable pavement can last for over twenty years. It can be used for roads, sidewalks, trails, parking lots, driveways, and other surfaces.

How much water flows through the permeable pavement?
The amount of water that flows through the permeable pavement (infiltration rate) can vary from 50-300 inches per hour. This surface can easily absorb water from large rainstorms.

Permeable Pavement Options

1. Permeable concrete
2. Porous asphalt
3. Permeable interlocking pavers
4. Permeable grid system

Permeable Pavement Benefits

- Reduce flooding
- Remove pollutants
- Control runoff volume and flows
- Recharge groundwater

Can permeable pavement clog?
Maintenance prevents clogging, and includes inspecting, vacuum sweeping, and pressure washing. Over several years, normal clogging may reduce its infiltration rate by up to 50%. Because of its high initial infiltration rate, the pavement will continue to absorb water.

Common Pollutants in Stormwater Runoff

- Oil
- Fertilizer
- Pesticides
- Litter
- Animal Waste
- Metals

The Alternative

With no water quality treatment, runoff flows directly into our storm drains and waterways, carrying pollutants.

Puget Sound

Permeable Pavement is porous, which allows water to pass through and soak into the ground.

Water is held in a gravel storage area, which slowly releases water into the underlying soil.

The cleaner water replenishes the groundwater supply.

The clean water eventually flows into Puget Sound.