Stormwater Facilities & Maintenance

Permeable Pavements

Permeable pavements include porous asphalt and concrete as well as permeable interlocking pavers, and are most common in parking and sidewalk areas.

The use of permeable pavements are an important stormwater best management practice and Low Impact Development (LID) approach. They can be designed to accommodate pedestrian, bicycle and auto traffic while allowing infiltration, treatment, and storage of stormwater.

Pro Tip:

Clogging is unlikely if the pavement is maintained. Some clogging could occur if large quantities of SILT OR SAND are allowed on the surface. Never pile landscaping material on permeable pavements.

Source: Thurston County & WA Stormwater Center

Source: Extension.usu.edu - Permeable pavement allows water to drain through

Maintenance required when:

- Sand and other fine material is evident on the surface
- Excessive moss growing on the pavement surface
- Material (e.g. grass) around the pavers or other LID material is becoming overgrown

Contact your HOA or property manager immediately if:

- Water is puddling on top of permeable pavement surface
- Structure is cracked or damaged
- There is damage from a storm or vandalism

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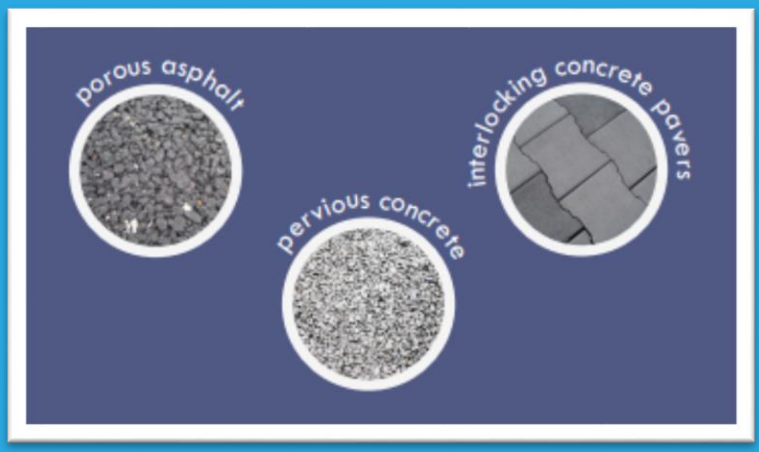
Don't let your systems fail.

When properly installed and maintained, permeable pavements can function well for 20+ years. Performing regular sweeping (and vactoring when necessary) will keep the pores from clogging up.

Porous asphalt uses a binding material to hold aggregate together

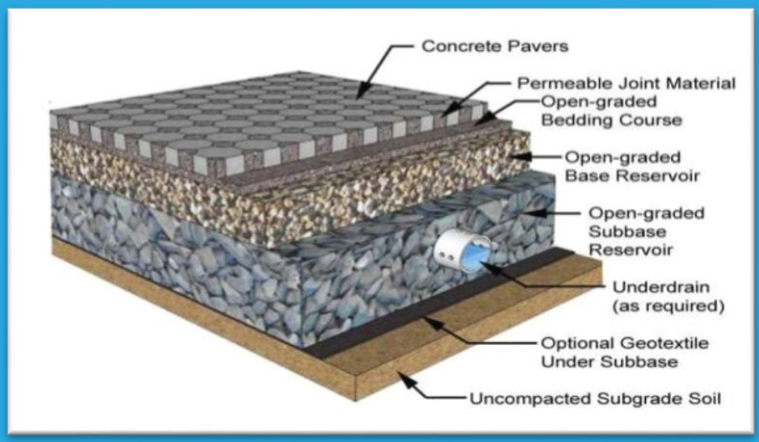


Source: The Clean Water Partnership - types of permeable pavement

Some types of permeable pavement can be just as strong as conventional pavement, and research has found that it may be less prone to ice buildup than regular pavement. This is due to its ability to drain off layers as they melt.

Keep water clean.
Protect county roads from flooding.
Save money.

In using LID techniques such as permeable pavements, municipalities are attempting to design features that mimic natural drainage systems (more like to pre-development conditions) - absorbing and filtering stormwater closer to where it falls.



Source: Virginia Water Resource Research Center

For additional information regarding stormwater management in Thurston County, reference our Stormwater Drainage Manual at DM.ThurstonStormwater.org.

THURSTON COUNTY
WASHINGTON
SINCE 1852
PUBLIC WORKS

Call us with any questions at (360) 754-4681

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