

# BEST PRACTICES



## Installing a New Driveway or Patio?

### Consider these LID options!

Are you thinking about sprucing up your outdoor spaces? If you're looking to add or rebuild your patio, walkway or driveway, consider using permeable materials instead of concrete or asphalt. Permeable paving systems are a great way to improve the look of your property while helping to protect our stream, lakes and Puget Sound.

### Permeable Pavements Let The Rain Soak In!

Permeable pavements allow water to infiltrate into layers of gravel placed below the paving surface and then into soil and groundwater below. By infiltrating most of the storm water on-site, the amount of water and pollution flowing into storm drains and potentially impacting rivers and streams is greatly reduced. This, in turn, protects water quality, maintains more stable base flows to streams, reduces flood peaks, and reduces stream bank erosion. With infiltration, groundwater is recharged and streams are replenished with cool, clean groundwater in a more natural way.

Permeable pavements are just one component of LID. Permeable pavements must be maintained differently than conventional pavements. A critical component of successfully maintaining permeable pavements is regular removal of sediment, debris, and excessive moss from the pavement surface to prevent clogging of the surface.

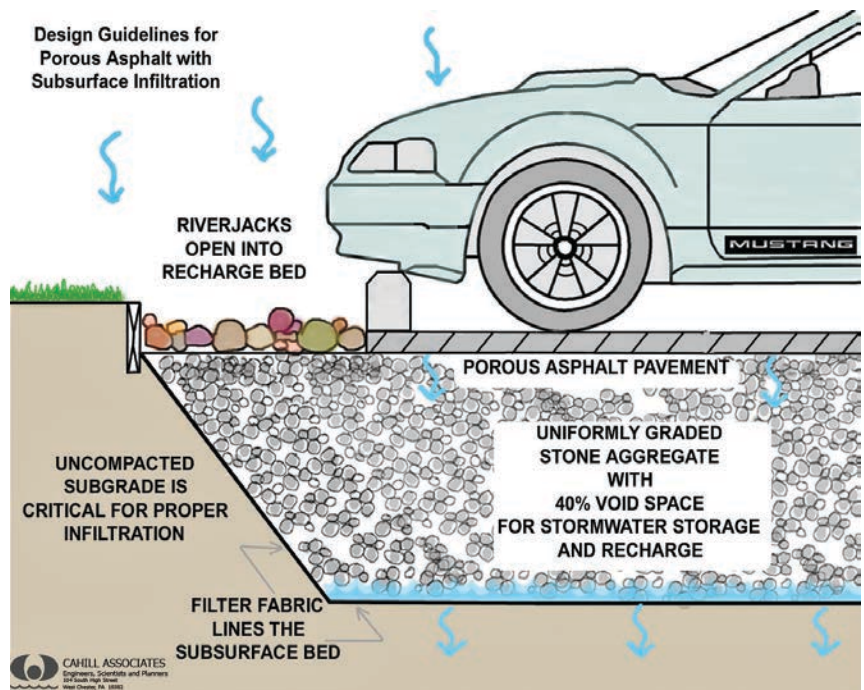
### What Are The Options?

#### Porous Asphalt

A flexible solid surface similar to standard asphalt that uses a binder to hold aggregate together. The fine material (sand and finer) is reduced or eliminated in porous asphalt, resulting in the formation of space between the aggregate in the solid surface that allows water to infiltrate to the underlying rock and soil.



*Water poured on permeable pavement quickly soaks in.*



**Pervious concrete**

The sidewalk pictured above is made of pervious concrete. A rigid solid surface similar to conventional concrete that uses a cement-like material to hold aggregate together. Fine aggregate (sand) components are reduced or eliminated in pervious concrete resulting in the formation of spaces between the aggregate in the solid surface that allows water to infiltrate to the underlying rock base.

**Interlocking solid or pervious paver blocks**

Surface with joints, installed on a rock and sand base, constructed with pavers. Joints are filled with sand, gravel, or topsoil and/or vegetation. The vegetation can include a variety of nonturf-forming grasses or low-growing groundcovers. Pavers can be solid or permeable. Permeable pavers are made of naturally occurring porous rock or pervious concrete or asphalt.

**Open-celled paving grid with gravel or grass**

Concrete or plastic grids that are filled with gravel and sand or planted with a variety of nonturf-forming grasses or low-growing groundcovers. The system is installed on a rock and sand base.

**LID Contacts****LACEY**

<http://www.ci.lacey.wa.us/city-government/reports-plans/currently-under-review>

**OLYMPIA**

<http://www.olympiawa.gov/LIDcode>

**TUMWATER****Public Works Department**

360-754-4140 [www.ci.tumwater.wa.us](http://www.ci.tumwater.wa.us)

**THURSTON COUNTY**

<http://www.co.thurston.wa.us/waterresources/lid/index.htm>

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