

Pervious Pavements – Additional Information
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Eventually, I'll make this more formal but I just wanted to get something out to you quickly to state that:

- 1) There are many local and national applications of pervious pavement; and
- 2) When properly installed, the range of pervious pavements provides excellent management of stormwater.

The research shows that they even do this when they are not routinely maintained (but of course we urge everyone to maintain them regularly, once each year.) There are certain industrial land uses where I would not recommend using pervious pavement due to high potential pollutant loadings, but for most parking lots, sidewalks, and driveways, it's a very attractive option. This is not comprehensive, just some quick examples and resources.

Thanks, and let me know if you have questions on it.

1. In 2003 we documented some examples of pervious pavement around the Sound in Natural Approaches to Stormwater Management:
 - o http://www.psat.wa.gov/Publications/LID_studies/permeable_pavement.htm
2. The LID Technical Guidance Manual for PS has an appendix dedicated to pervious pavement research:
 - o http://www.psat.wa.gov/Publications/LID_tech_manual05/15_app7.pdf

Pavers and plastic grid systems:

3. UW (Derek Booth et al) tested various pervious pavement types for water quality treatment and flow over a 6-year period. Very impressive results from pavers and plastic grid grass and gravel systems!
4. Bill Llewellyn, Deputy Airport Director, oversaw the installation of a beautiful grass pave system at Paine Field in Everett. By doing this, and by using a RainStore system, they were able to provide adequate detention without needing to use an above ground detention pond. (425) 353-2110.
5. An I-5 park and ride in Marysville utilizes pavers (Eco-Stone) to manage stormwater. For more information contact Dean Franz with Perteet Engineering: 425-252-7700.
6. The Point Defiance Zoo & Aquarium has a gravel pave installation that I've not seen yet. If interested, contact the zoo for more info.

Pervious Asphalt

7. Cahill and Associates has been installing pervious asphalt around the country (primarily though on the east coast) for 20 years (they claim 80+ installations). They've had great success with it.
 - a. Their web site:
 - b. 2005 article by Tom Cahill:
<http://www.govengr.com/ArticlesMar05/porous.pdf>
 - c. 2003 article by Michele Adams: 20 years old and still working:
http://www.forester.net/sw_0305_porous.html
8. City of Lacey has two local installations of pervious asphalt, at Villages @ Hicks Lake (residential) and at Kids Campus Daycare. Contact Doug Christianson at dchriste@ci.lacey.wa.us

Pervious Concrete

There are almost too many new applications to keep track of within Snohomish County. Here are a few recent examples:

9. The Snoqualmie Gourmet Ice Cream Factory used pervious concrete recently for its entire parking lot. Contact Craig Young of the Snohomish County Sustainable Task Force: C.Young@co.snohomish.wa.us.
10. Snohomish County has also used this for a long stretch of sidewalks. Again, contact Craig Young.
11. Sultan has a new residential subdivision that uses pervious concrete for its roads, sidewalks, and driveways. Contact Craig Morrison of CMI, Inc. or Chris Fate of the sustainability task force, at 425-783-8274.
12. McPhee Medical Center in Olympia uses pervious concrete for its entire parking area. Contact Tom Holz for more info: tomholz@comcast.net
13. Andy Marks from the Concrete Council is a great local resource for pervious concrete. He can tell you about many installations. I saw a few in Snohomish County: Andrew.marks@comcast.net or 206-878-0257.
14. Another great resource is Greg McKinnon with Stoneway Concrete, 425-226-1000. Greg's worked on many installations around the sound, in Seattle, Marysville, Fort Lewis, Olympia, Bellingham, Des Moines and Whidbey Island.
15. Last, Federal Way is doing a new install of Perco-crete, a pervious concrete that includes the fines, on Saturday September 23rd. As soon as I have an approximate time, I'll pass it on. I plan to see it happen.