

POROUS ASPILLE

Porous pavements may reduce or even eliminate the need for complex storm water retention systems.





What is porous asphalt pavement?



It looks similar to regular pavement, but has less fine material (sand) in the physical make-up of the mix.

Standard Asphalt (top) & Porous Asphalt (bottom)



What is porous asphalt pavement?

Open graded pavement leaves more visible voids on surface to allow water penetration.



Standard Asphalt (right) & Porous Asphalt (left)



What is porous asphalt pavement?



3" of Porous Paved next to 3" of a Standard Mix Approximately 2-4" thick, the laid porous pavement should have 15% void space or more.

(compared to 2-5% in a conventional mix)



Pavement surface has an increased number of void space between the small stones in the mix.







Instead of rain water traveling along the surface to a designated drainage area; water can pass right through the surface.

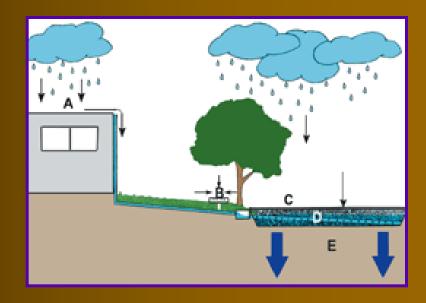




Water passes down though the void spaces in the mix to a recharge bed of coarse stone, which will eventually enter the ground naturally.

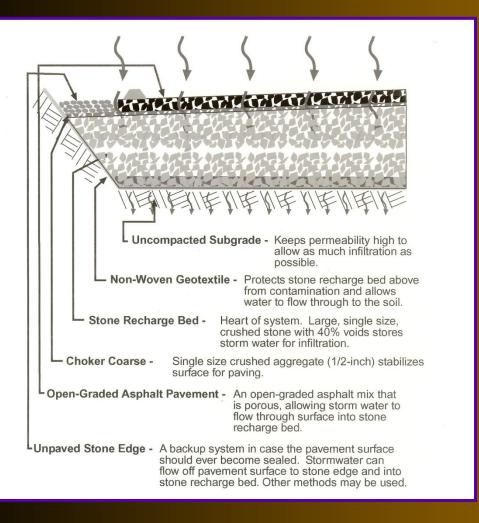


- (A)- Precipitaion is carried from roof by drains to ground can be lead to storage beds.
- (B)- Stormwater runoff from impervious areas & lawn areas can be carried to storage beds.
- (C)- Precipitation that falls on porous paving enters storage bed diectly.
- (D)- Stone beds with 40% void spave stores stormwater from impervious surfaces evenly thoughout the beds.



(E)- Stormwater exfiltrates from storage beds into soil and recharges the ground water

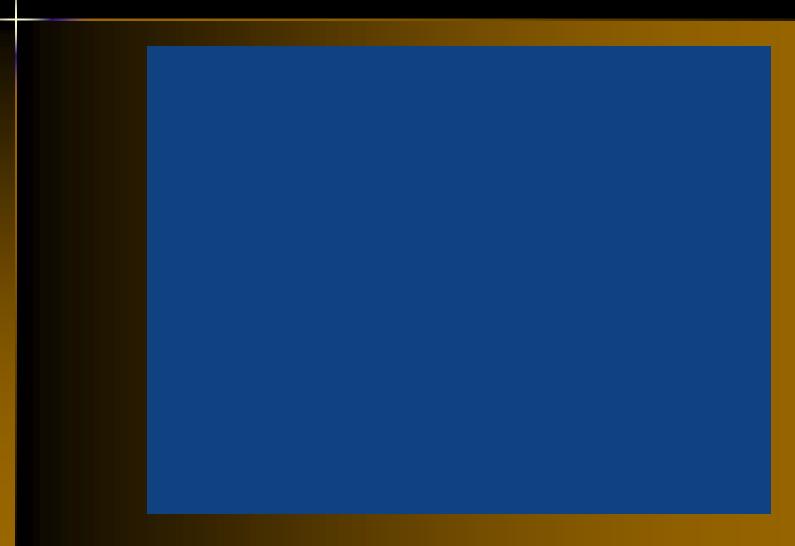




Side-Profile of
Porous Asphalt
Pavement
Construction
(with a Subsurface
Recharge Bed)



Porous Pavement in Action





Porous Pavenent

Turning Black Asphalt, "Green"





Thank you for watching!

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